

Data File : VF059303.D
Acq On : 25 Jun 2018 15:46
Operator : VA/AP
Sample : VSTDIC020
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Quant Time: Jun 26 07:59:19 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	288779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	443823	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	442774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	272200	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	73962	18.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.34%	
35) Dibromofluoromethane	4.28	113	68689	18.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.68%	
50) Toluene-d8	7.70	98	163947	17.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.52%	
62) 4-Bromofluorobenzene	11.50	95	100241	19.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.18%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.98	85	53352	16.356	ug/l	96
3) Chloromethane	1.08	50	31503	15.325	ug/l	99
4) Vinyl Chloride	1.14	62	33073	16.253	ug/l	97
5) Bromomethane	1.33	94	24107	17.366	ug/l	91
6) Chloroethane	1.42	64	17983	18.051	ug/l #	78
7) Trichlorofluoromethane	1.48	101	25740	6.463	ug/l	93
8) Diethyl Ether	1.69	74	15448	16.744	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.89	101	42156	18.719	ug/l	97
10) Methyl Iodide	1.96	142	68059	16.478	ug/l	93
11) Tert butyl alcohol	2.68	59	18741	75.778	ug/l #	92
12) 1,1-Dichloroethene	1.84	96	33927	16.827	ug/l #	91
13) Acrolein	2.08	56	13945	70.725	ug/l	84
14) Allyl chloride	2.18	41	61736	16.551	ug/l	97
15) Acrylonitrile	3.06	53	37294	72.902	ug/l	92
16) Acetone	2.32	43	88084	88.658	ug/l	98
17) Carbon Disulfide	1.83	76	72121	14.863	ug/l #	91
18) Methyl Acetate	2.43	43	27456	14.662	ug/l	92
19) Methyl tert-butyl Ether	2.53	73	118770	17.497	ug/l	100
20) Methylene Chloride	2.27	84	32475	14.990	ug/l	92
21) trans-1,2-Dichloroethene	2.40	96	34116	16.457	ug/l	96
22) Diisopropyl ether	2.92	45	134835	17.390	ug/l	99
23) Vinyl Acetate	3.32	43	445326	89.653	ug/l	98
24) 1,1-Dichloroethane	2.98	63	83171	16.610	ug/l	98
25) 2-Butanone	4.49	43	104929	80.913	ug/l	99
26) 2,2-Dichloropropane	3.75	77	61487	17.716	ug/l	98
27) cis-1,2-Dichloroethene	3.62	96	52002	16.466	ug/l	92
28) Bromochloromethane	3.87	49	40865	19.532	ug/l	89
29) Tetrahydrofuran	4.25	42	46389	79.818	ug/l	97
30) Chloroform	4.02	83	123133	17.014	ug/l	97
31) Cyclohexane	3.86	56	55850	16.462	ug/l	98
32) 1,1,1-Trichloroethane	4.26	97	95634	17.618	ug/l	97
36) 1,1-Dichloropropene	4.44	75	78669	17.509	ug/l	99
37) Ethyl Acetate	4.28	43	49068	16.611	ug/l #	83
38) Carbon Tetrachloride	4.15	117	100594	18.149	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	70664	17.491	ug/l	92
40) Benzene	4.80	78	167840	17.464	ug/l	95
41) Methacrylonitrile	4.91	41	24429	17.371	ug/l #	92
42) 1,2-Dichloroethane	5.10	62	97546	17.671	ug/l	99
43) Isopropyl Acetate	7.11	43	55063	15.491	ug/l #	99
44) Trichloroethene	5.66	130	60046	18.168	ug/l	97
45) 1,2-Dichloropropane	6.40	63	48827	17.521	ug/l	98
46) Dibromomethane	6.24	93	39974	16.715	ug/l	95
47) Bromodichloromethane	6.53	83	99194	17.398	ug/l	92
48) Methyl methacrylate	6.86	41	37419	16.444	ug/l	92
49) 1,4-Dioxane	6.85	88	4239	317.909	ug/l #	86
51) 4-Methyl-2-Pentanone	8.39	43	213188	83.056	ug/l	97
52) Toluene	7.77	92	124126	16.697	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	92085	17.291	ug/l	99
54) cis-1,3-Dichloropropene	7.44	75	98260	17.354	ug/l	93
55) 1,1,2-Trichloroethane	8.62	97	47505	16.536	ug/l	92
56) Ethyl methacrylate	8.75	69	53574	16.229	ug/l	96
57) 1,3-Dichloropropane	8.99	76	79317	16.693	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.77	63	23716	90.395	ug/l	100
59) 2-Hexanone	9.62	43	183404	89.324	ug/l	100
60) Dibromochloromethane	8.85	129	73869	17.377	ug/l	99
61) 1,2-Dibromoethane	9.13	107	54534	16.356	ug/l	98
64) Tetrachloroethene	8.29	164	56288	17.045	ug/l	89
65) Chlorobenzene	9.92	112	161914	17.702	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.06	131	69131	17.926	ug/l	95
67) Ethyl Benzene	10.02	91	285399	18.397	ug/l	94
68) m/p-Xylenes	10.26	106	197050	35.560	ug/l	95
69) o-Xylene	10.82	106	115978	18.885	ug/l	93
70) Styrene	10.89	104	170976	18.330	ug/l	99
71) Bromoform	10.88	173	45727	16.702	ug/l #	95
73) Isopropylbenzene	11.22	105	325117	17.906	ug/l	98
74) N-amyl acetate	11.45	43	107422	17.741	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	75221	17.304	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	57232	18.010	ug/l	96
77) Bromobenzene	11.58	156	87693	17.828	ug/l	97
78) n-propylbenzene	11.68	91	397763	18.608	ug/l	96
79) 2-Chlorotoluene	11.81	91	239930	18.650	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	288701	18.831	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	32663	16.264	ug/l	92
82) 4-Chlorotoluene	11.98	91	254620	18.317	ug/l	96
83) tert-Butylbenzene	12.21	119	292926	18.920	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	301649	18.596	ug/l	96
85) sec-Butylbenzene	12.38	105	383630	18.447	ug/l	98
86) p-Isopropyltoluene	12.53	119	325303	19.070	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	163232	18.491	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	157705	18.144	ug/l	98
89) n-Butylbenzene	12.91	91	341987	19.725	ug/l	96
90) Hexachloroethane	12.99	117	83215	19.372	ug/l	93
91) 1,2-Dichlorobenzene	13.01	146	160746	18.158	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	15332	16.332	ug/l	84

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	118051	18.395	ug/l	98
94) Hexachlorobutadiene	14.25	225	70449	18.756	ug/l	95
95) Naphthalene	14.52	128	230478	17.422	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	109669	18.168	ug/l	92

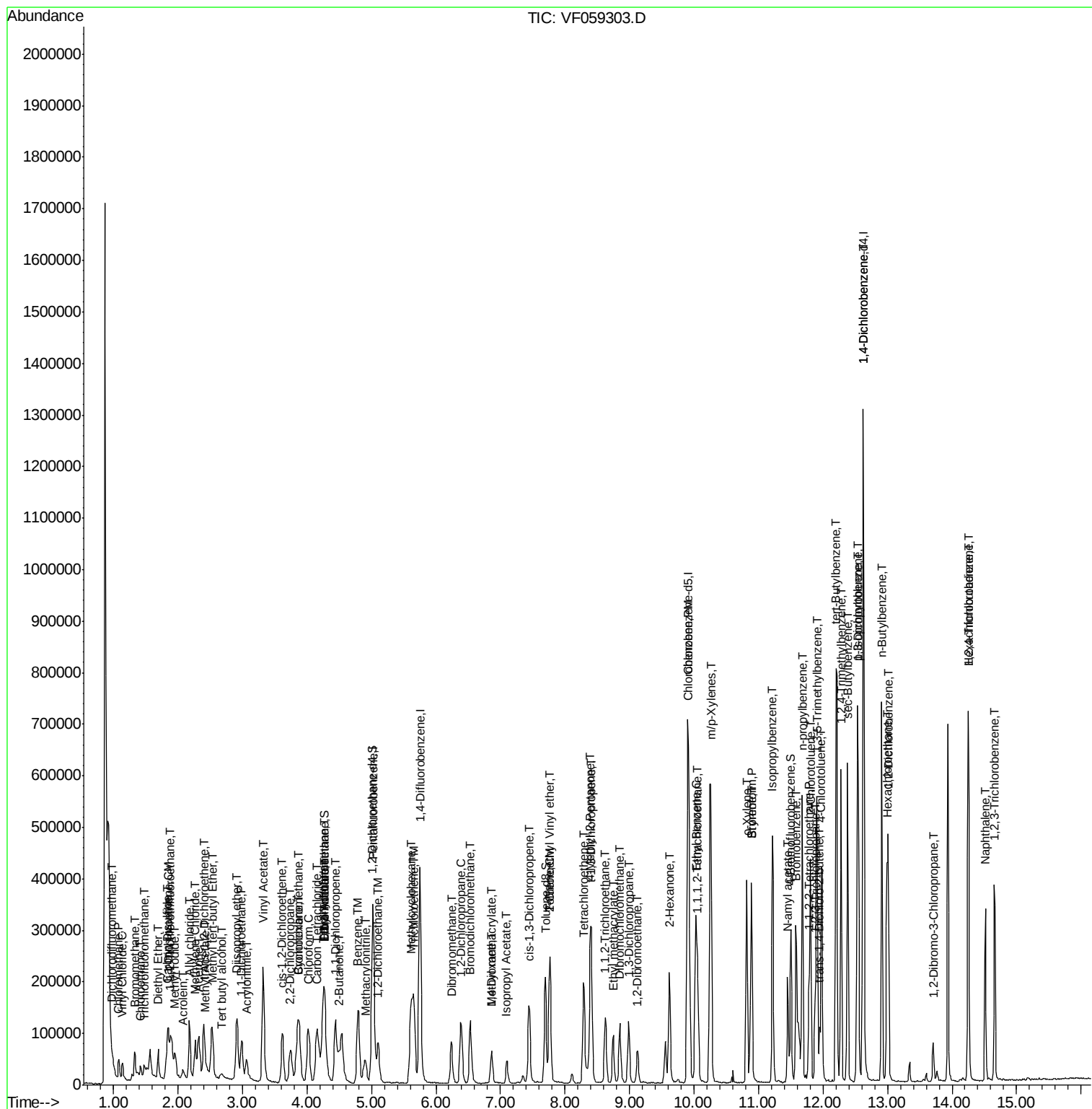
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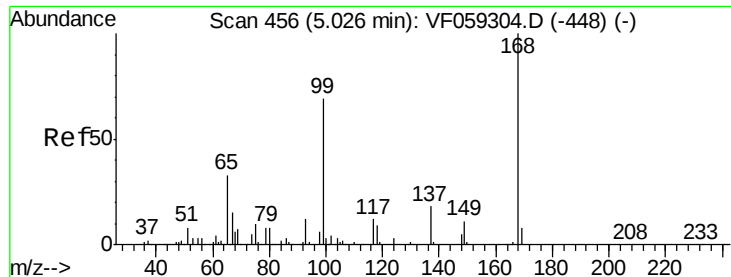
Data File : VF059303.D

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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 :

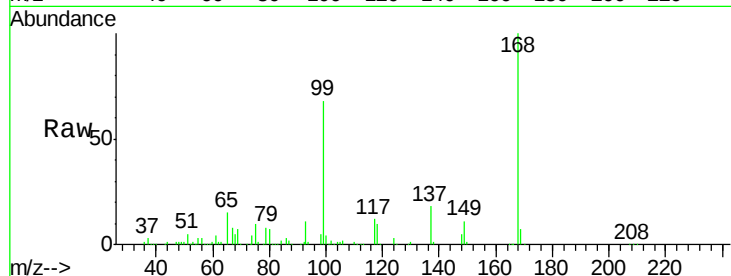
VSTDIC020

Tgt Ion:168 Resp: 288779

Ion Ratio Lower Upper

168 100

99 67.9 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

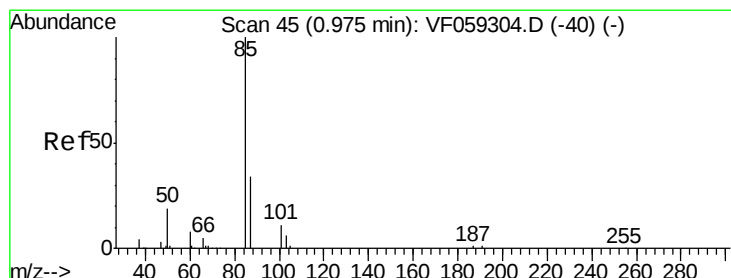
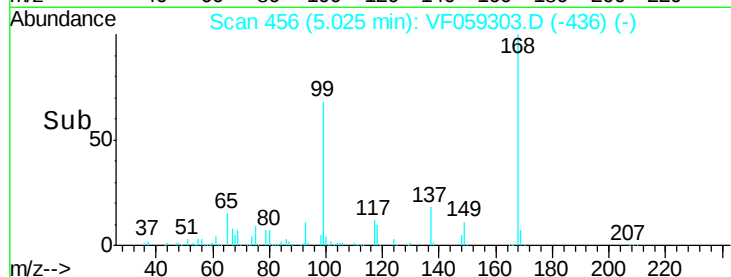
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 16.356 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059303.D

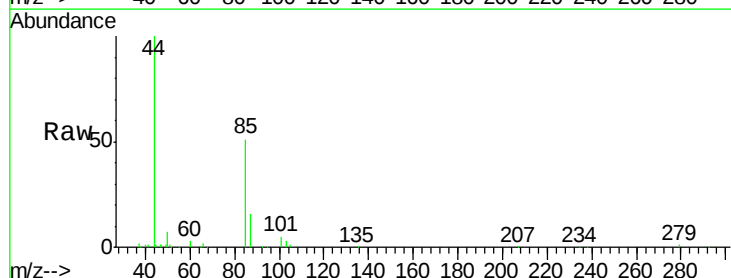
Acq: 25 Jun 2018 15:46

Tgt Ion: 85 Resp: 53352

Ion Ratio Lower Upper

85 100

87 32.0 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

15000

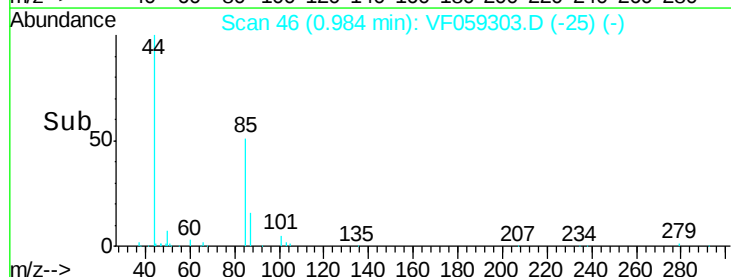
10000

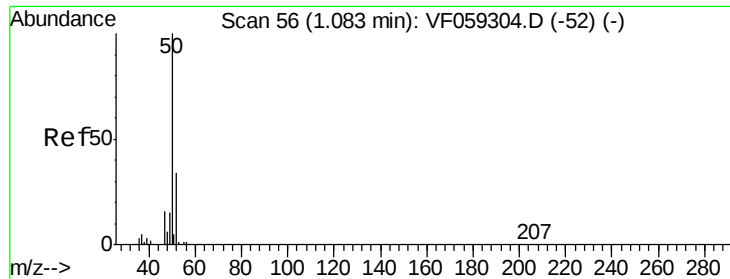
5000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 15.325 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

Instrument :

MSVOA_F

ClientSampleId :

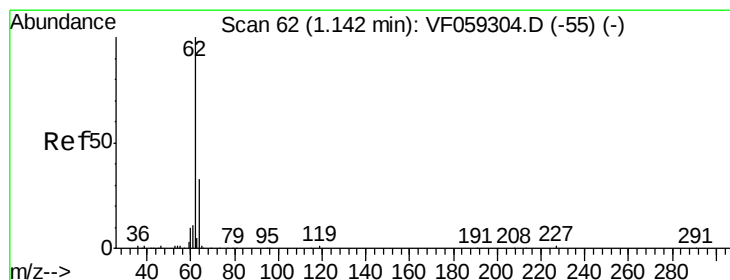
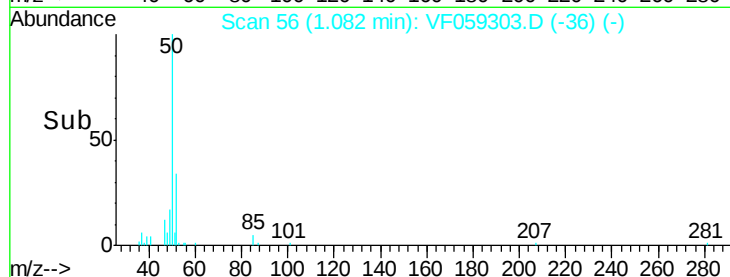
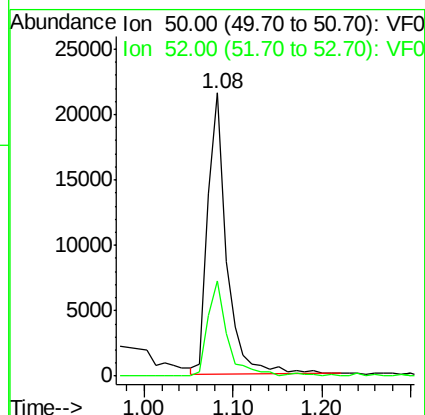
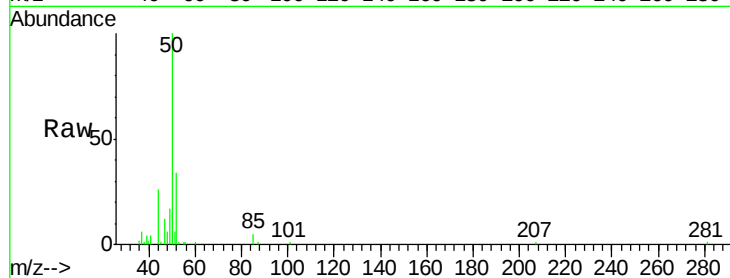
VSTDIC020

Tgt Ion: 50 Resp: 31503

Ion Ratio Lower Upper

50 100

52 33.8 26.7 40.1



#4

Vinyl Chloride

Concen: 16.253 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059303.D

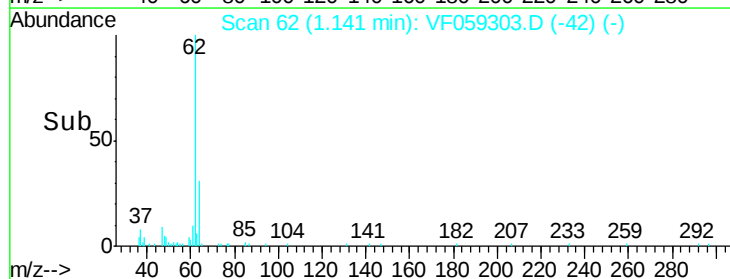
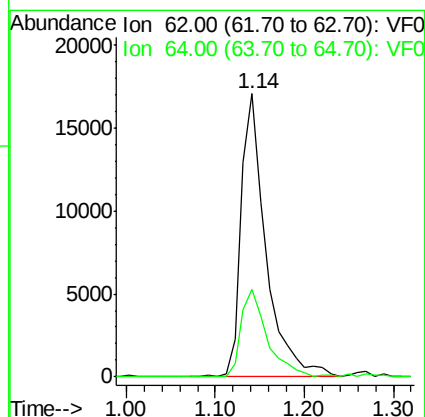
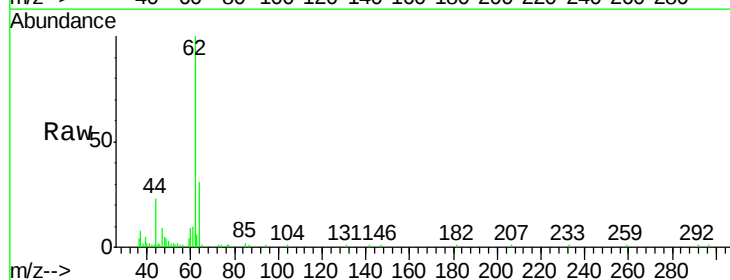
Acq: 25 Jun 2018 15:46

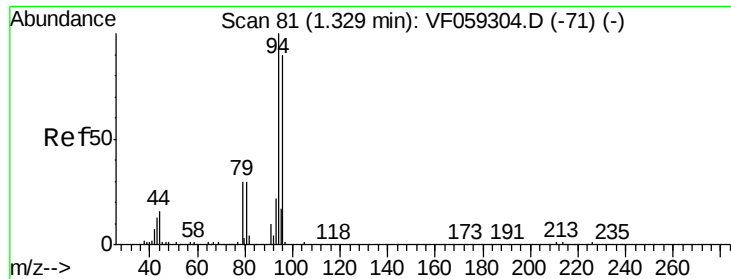
Tgt Ion: 62 Resp: 33073

Ion Ratio Lower Upper

62 100

64 31.0 26.3 39.5





#5

Bromomethane

Concen: 17.366 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

Instrument :

MSVOA_F

ClientSampleId :

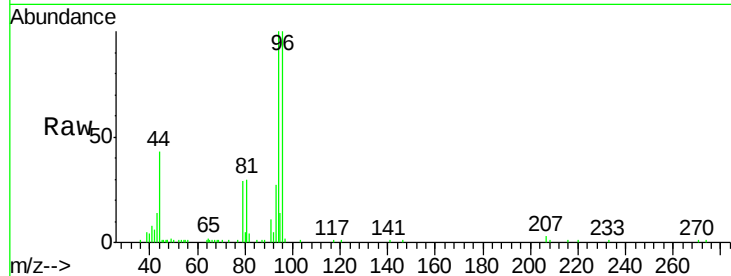
VSTDIC020

Tgt Ion: 94 Resp: 24107

Ion Ratio Lower Upper

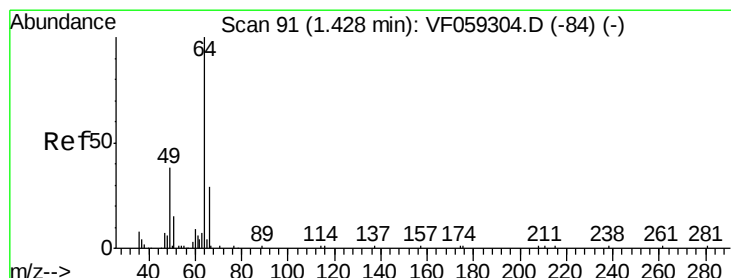
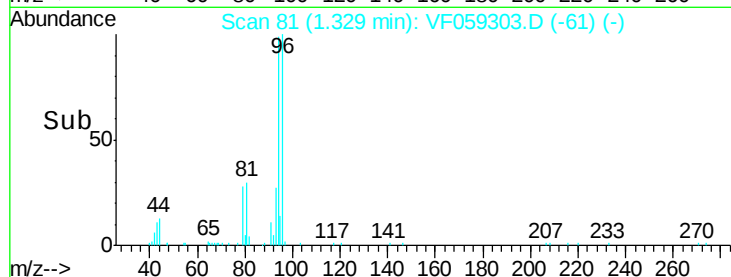
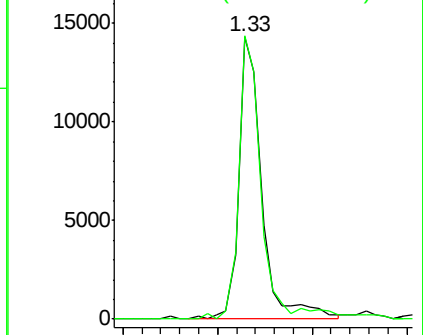
94 100

96 100.2 73.4 110.0



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 18.051 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059303.D

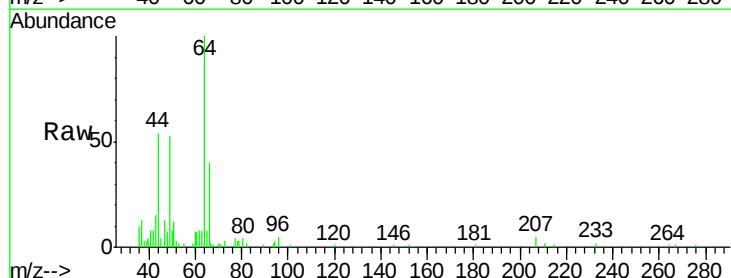
Acq: 25 Jun 2018 15:46

Tgt Ion: 64 Resp: 17983

Ion Ratio Lower Upper

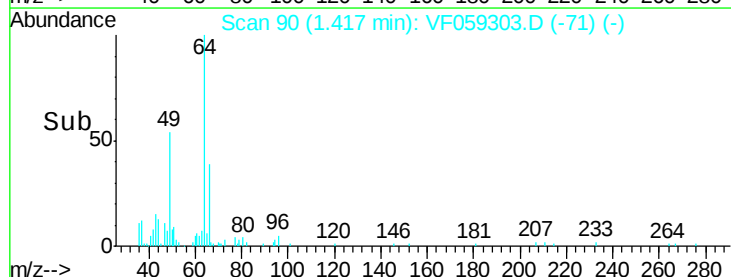
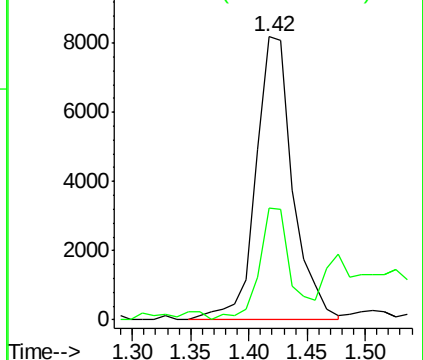
64 100

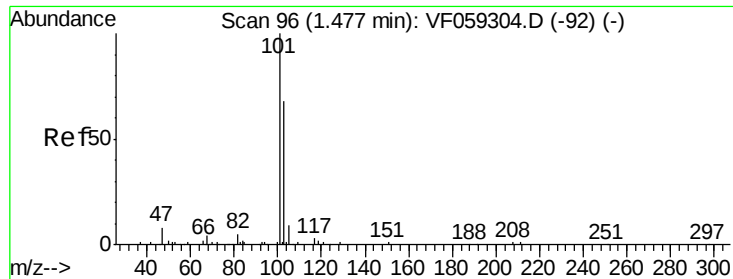
66 41.7 23.9 35.9#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 6.463 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.00 min

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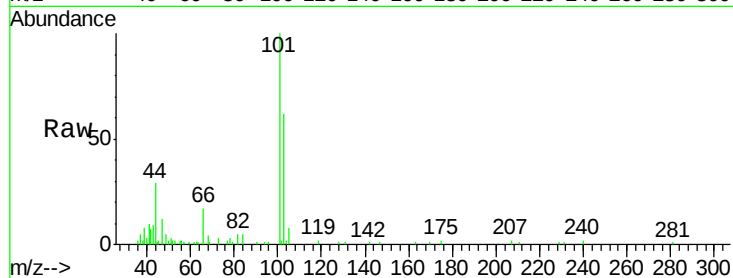
VSTDIC020

Tgt Ion:101 Resp: 25740

Ion Ratio Lower Upper

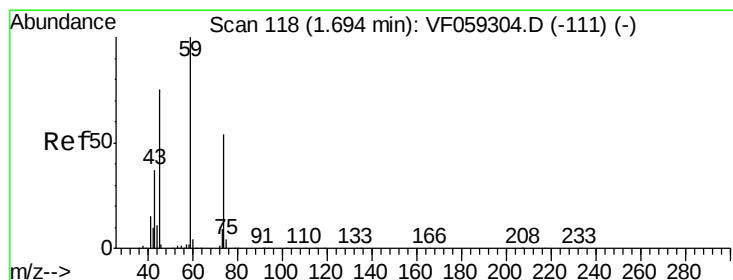
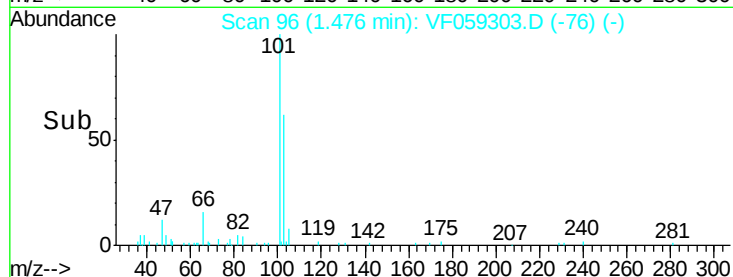
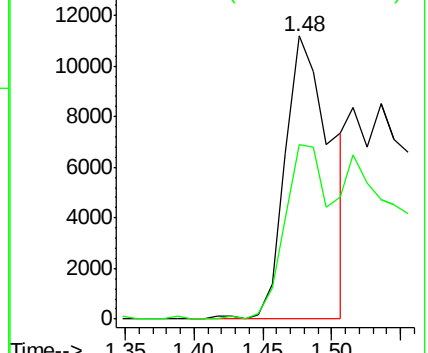
101 100

103 61.8 54.2 81.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 16.744 ug/l

RT: 1.69 min Scan# 118

Delta R.T. -0.00 min

Lab File: VF059303.D

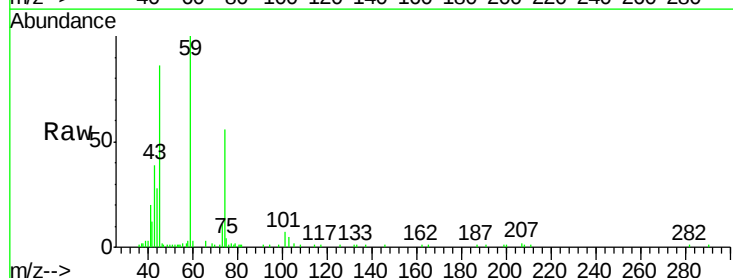
Acq: 25 Jun 2018 15:46

Tgt Ion: 74 Resp: 15448

Ion Ratio Lower Upper

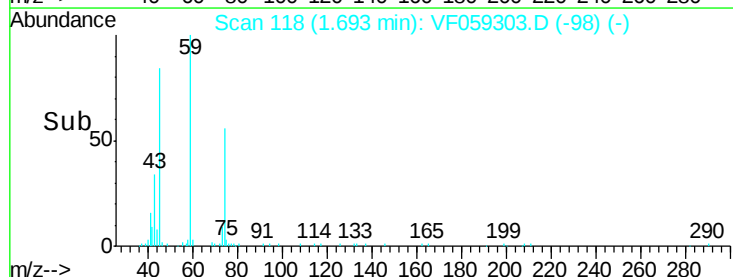
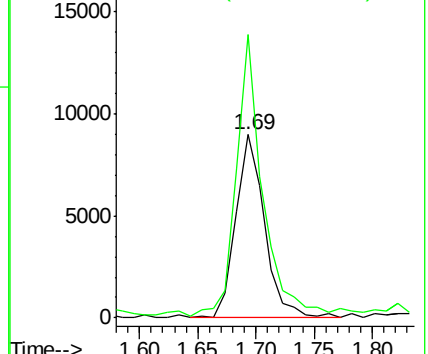
74 100

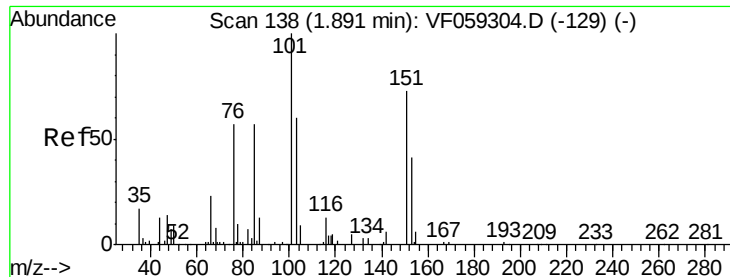
45 154.7 70.0 210.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.719 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.00 min

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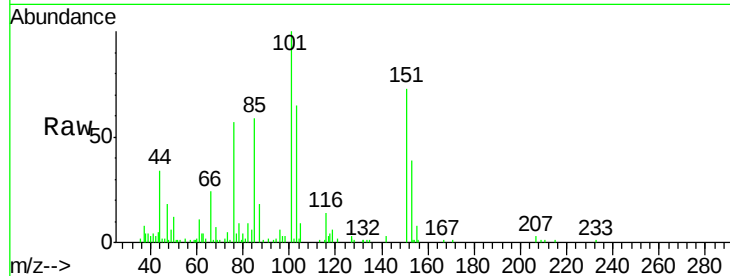
Tgt Ion:101 Resp: 42156

Ion Ratio Lower Upper

101 100

85 58.7 44.5 66.7

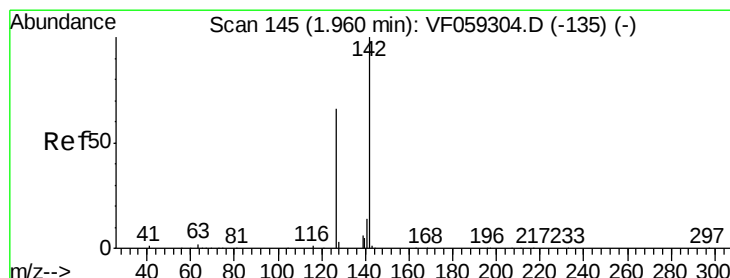
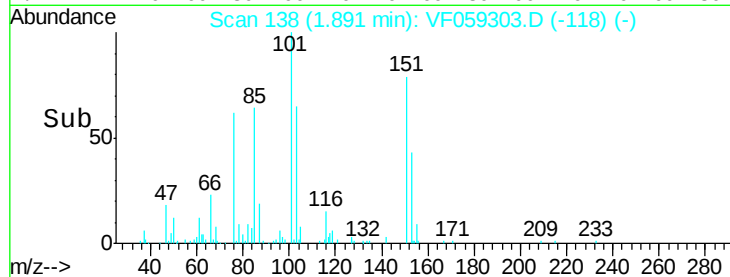
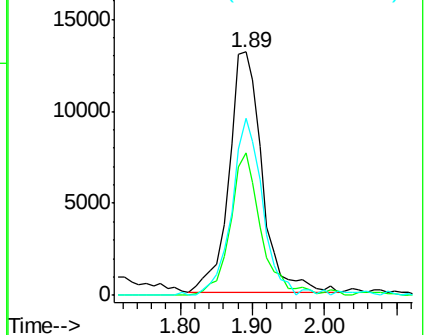
151 72.6 56.8 85.2



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: 16.478 ug/l

RT: 1.96 min Scan# 145

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

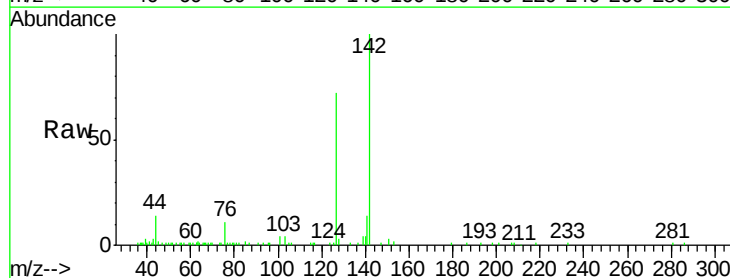
Tgt Ion:142 Resp: 68059

Ion Ratio Lower Upper

142 100

127 71.7 52.5 78.7

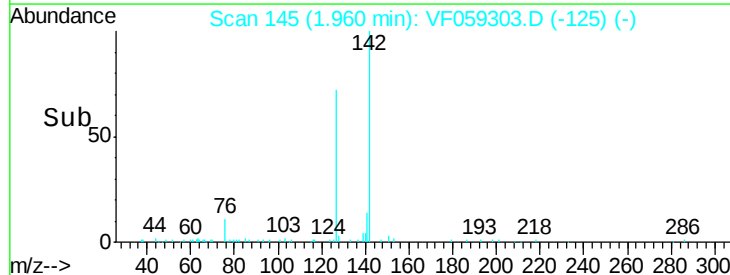
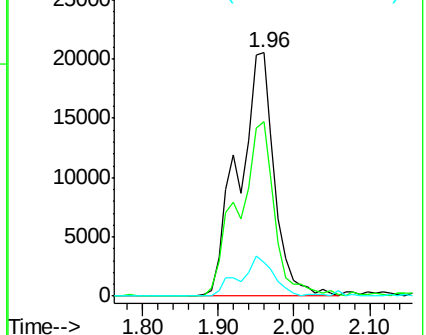
141 13.8 11.5 17.3

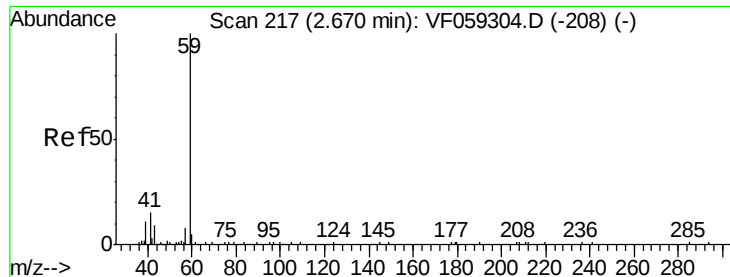


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



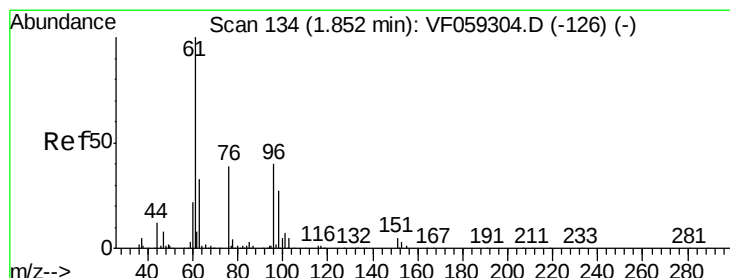
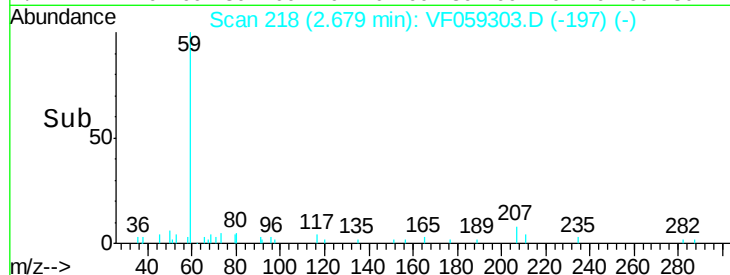
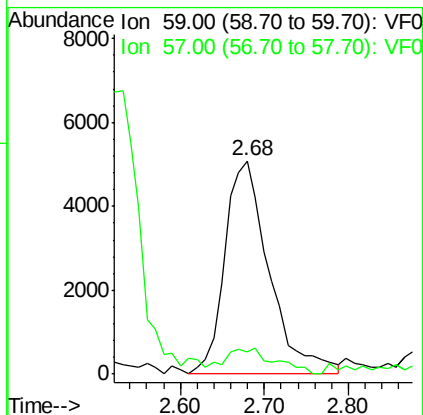
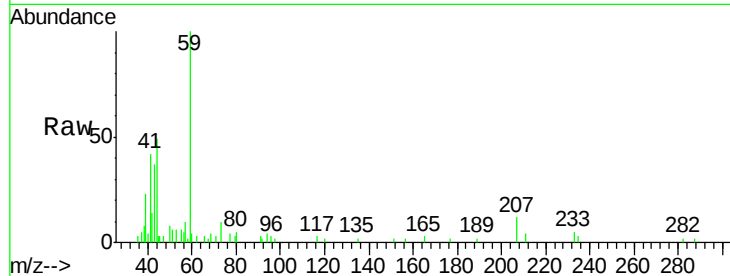


#11

Tert butyl alcohol
 Concen: 75.778 ug/l
 RT: 2.68 min Scan# 218
 Delta R.T. 0.01 min
 Lab File: VF059303.D
 Acq: 25 Jun 2018 15:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

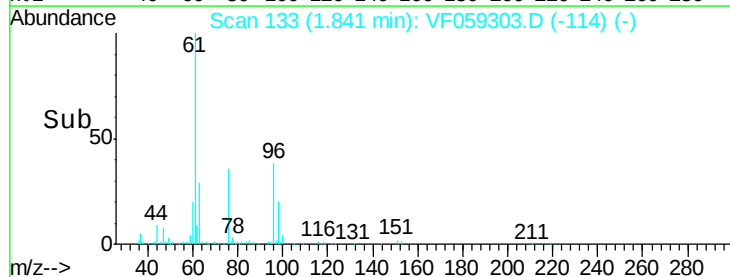
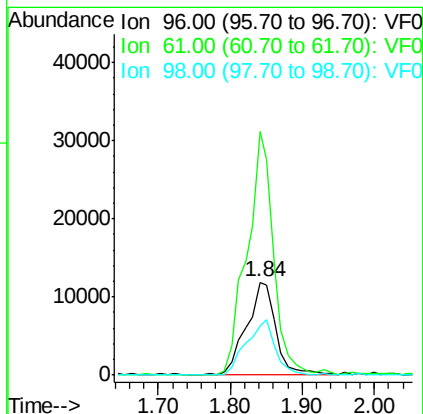
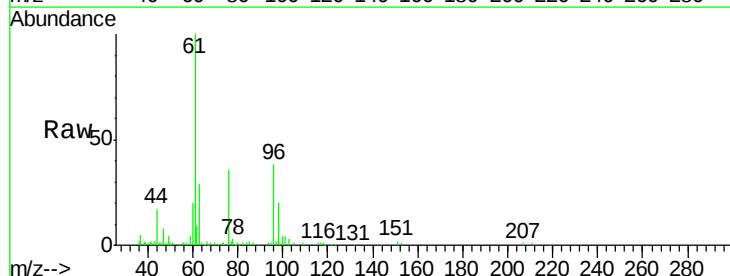
Tgt Ion: 59 Resp: 18741
 Ion Ratio Lower Upper
 59 100
 57 10.4 11.0 16.4#

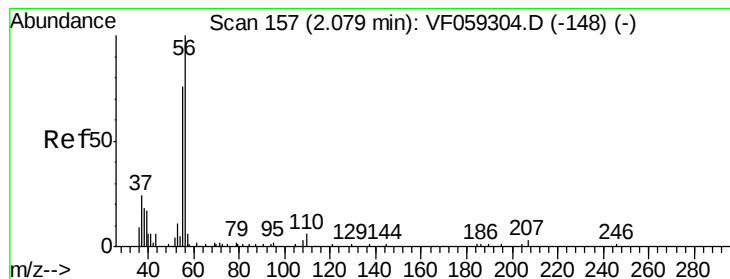


#12

1,1-Dichloroethene
 Concen: 16.827 ug/l
 RT: 1.84 min Scan# 133
 Delta R.T. -0.01 min
 Lab File: VF059303.D
 Acq: 25 Jun 2018 15:46

Tgt Ion: 96 Resp: 33927
 Ion Ratio Lower Upper
 96 100
 61 261.7 201.1 301.7
 98 52.2 53.9 80.9#





#13

Acrolein

Concen: 70.725 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

Instrument :

MSVOA_F

ClientSampleId :

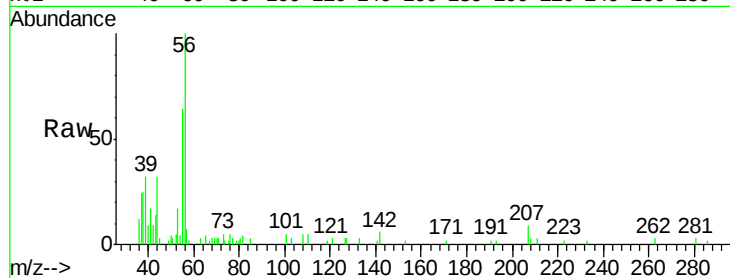
VSTDIC020

Tgt Ion: 56 Resp: 13945

Ion Ratio Lower Upper

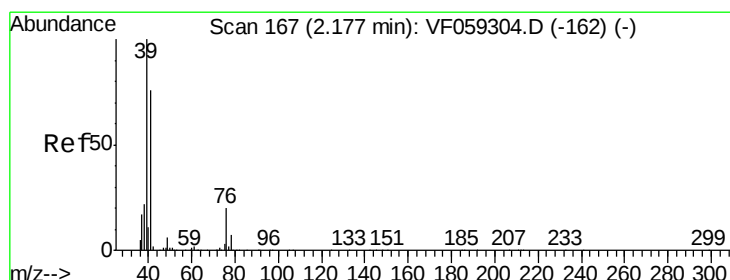
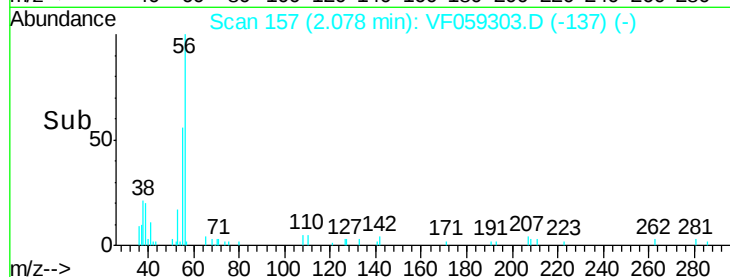
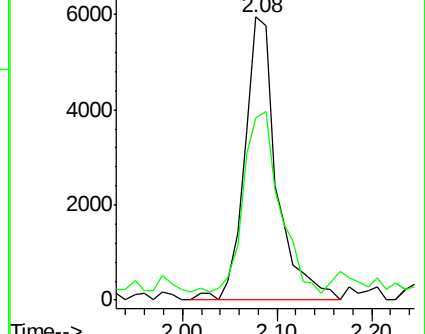
56 100

55 64.3 62.4 93.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 16.551 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

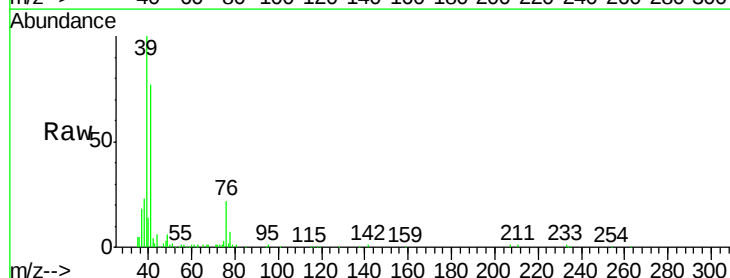
Tgt Ion: 41 Resp: 61736

Ion Ratio Lower Upper

41 100

39 129.2 105.6 158.4

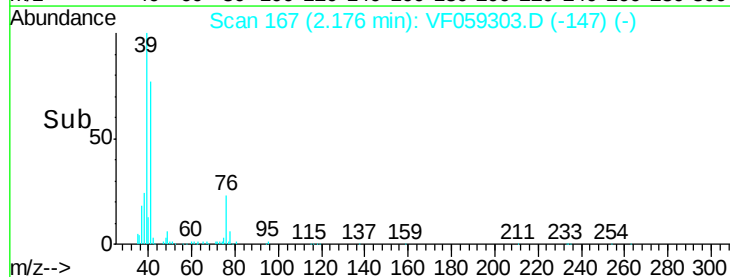
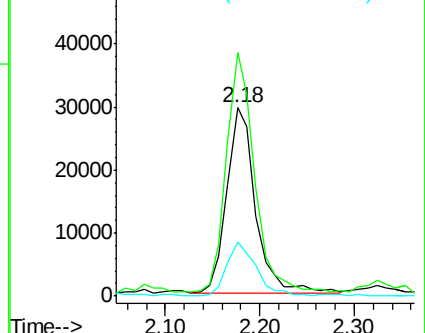
76 29.0 21.6 32.4

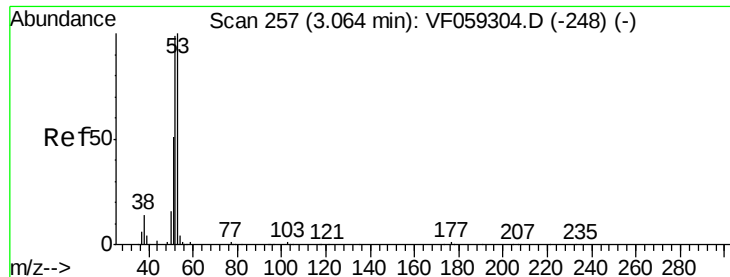


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 72.902 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

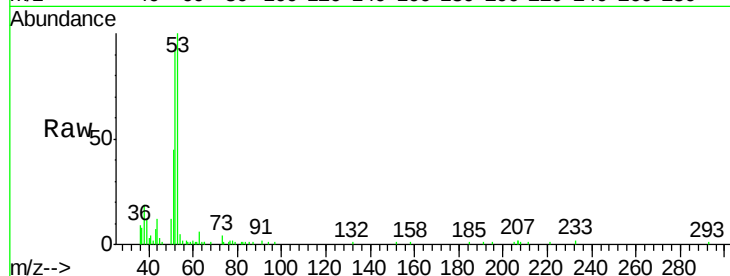
Tgt Ion: 53 Resp: 37294

Ion Ratio Lower Upper

53 100

52 91.5 79.2 118.8

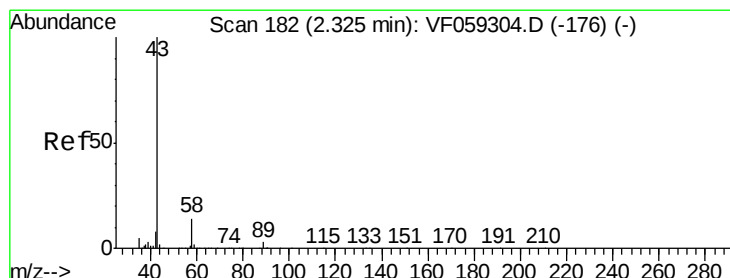
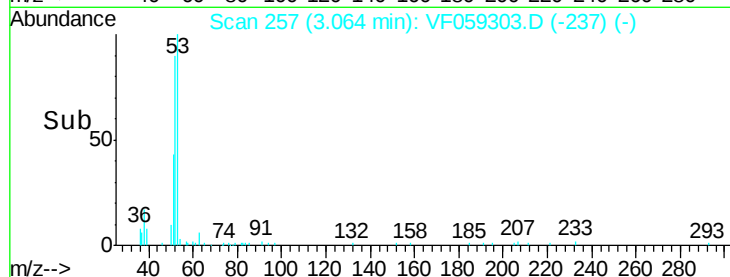
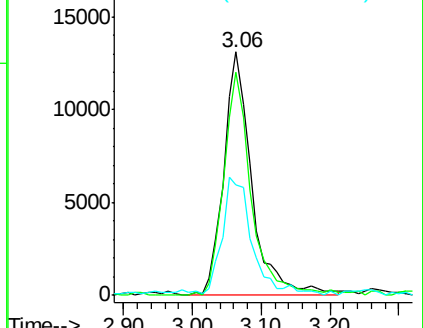
51 45.1 40.9 61.3



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: 88.658 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.00 min

Lab File: VF059303.D

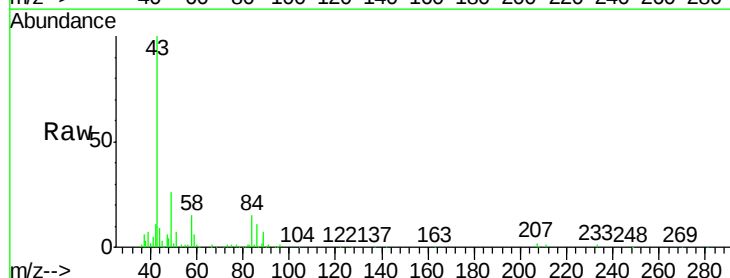
Acq: 25 Jun 2018 15:46

Tgt Ion: 43 Resp: 88084

Ion Ratio Lower Upper

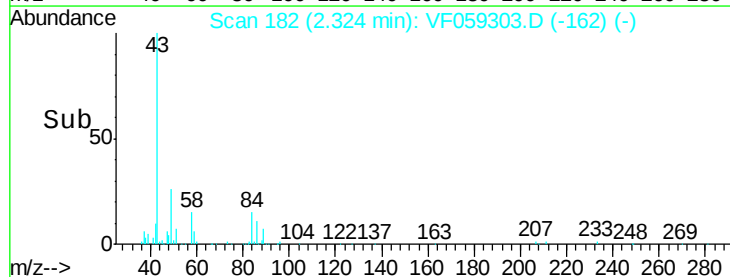
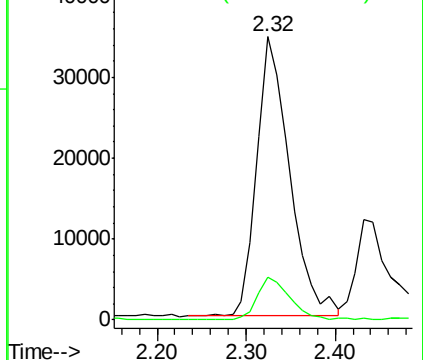
43 100

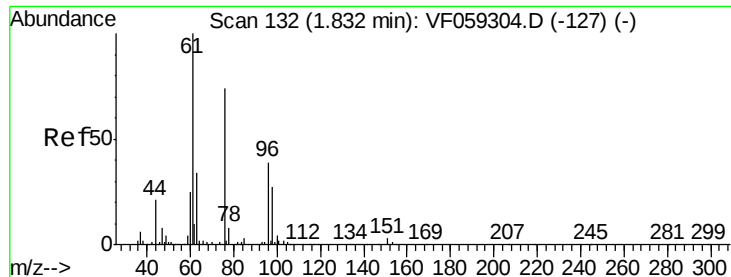
58 15.0 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

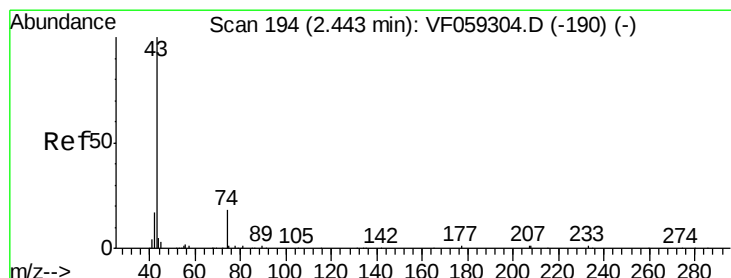
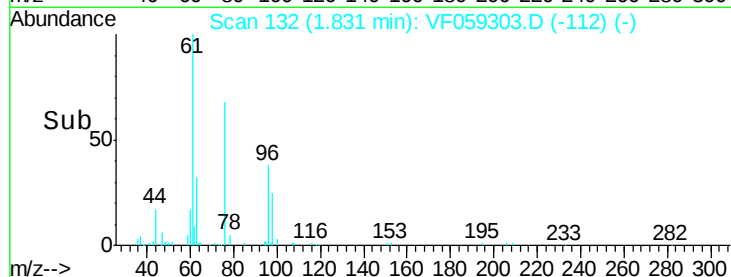
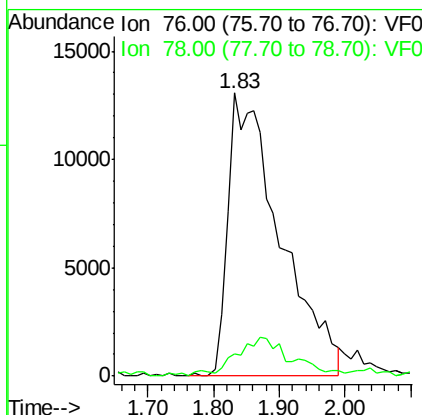
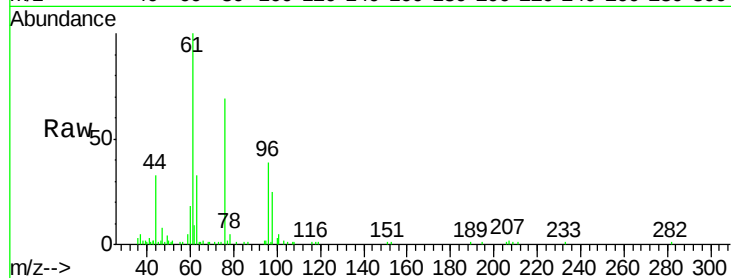




#17
Carbon Disulfide
Concen: 14.863 ug/l
RT: 1.83 min Scan# 132
Delta R.T. -0.00 min
Lab File: VF059303.D
Acq: 25 Jun 2018 15:46

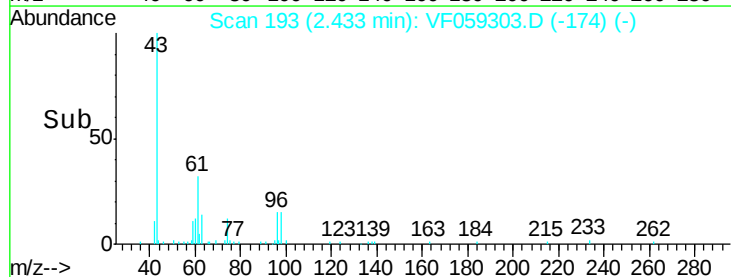
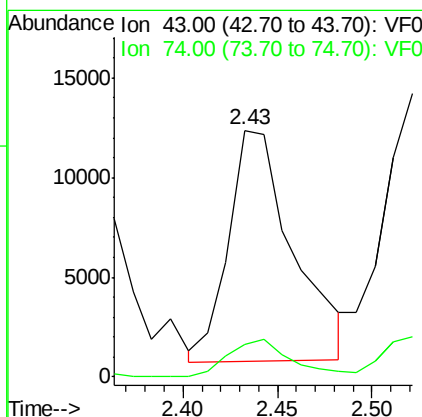
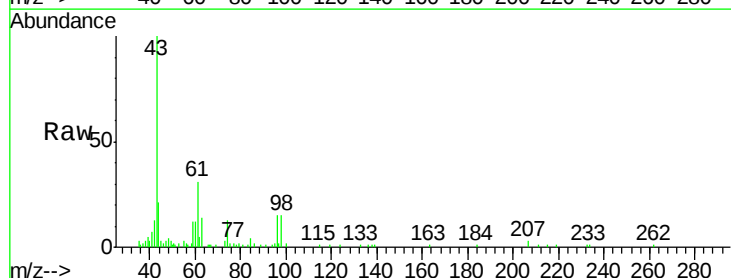
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

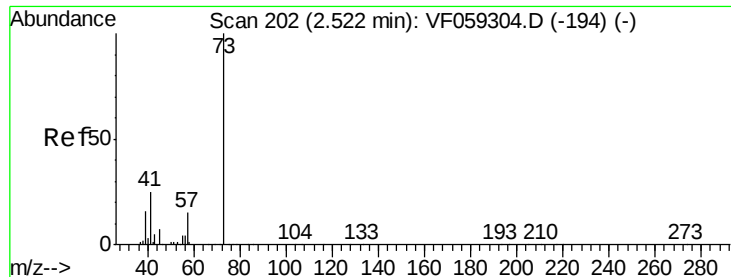
Tgt Ion: 76 Resp: 72121
Ion Ratio Lower Upper
76 100
78 7.9 8.9 13.3#



#18
Methyl Acetate
Concen: 14.662 ug/l
RT: 2.43 min Scan# 193
Delta R.T. -0.01 min
Lab File: VF059303.D
Acq: 25 Jun 2018 15:46

Tgt Ion: 43 Resp: 27456
Ion Ratio Lower Upper
43 100
74 13.4 13.3 19.9



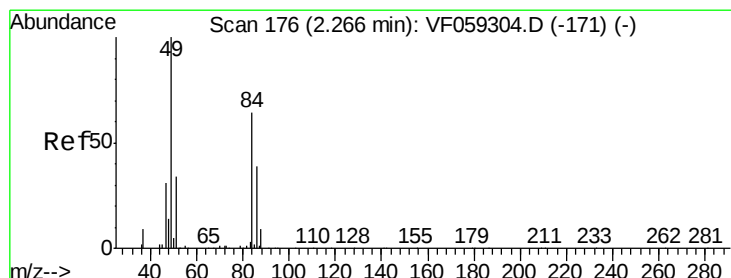
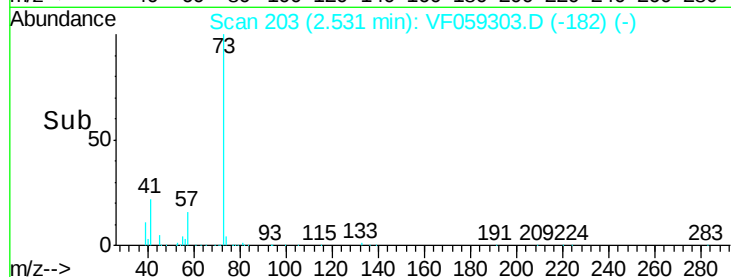
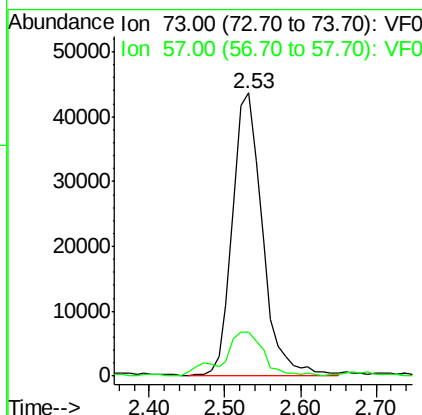
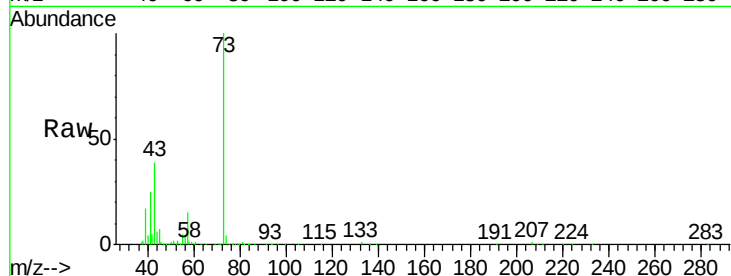


#19

Methyl tert-butyl Ether
 Concen: 17.497 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. 0.01 min
 Lab File: VF059303.D
 Acq: 25 Jun 2018 15:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

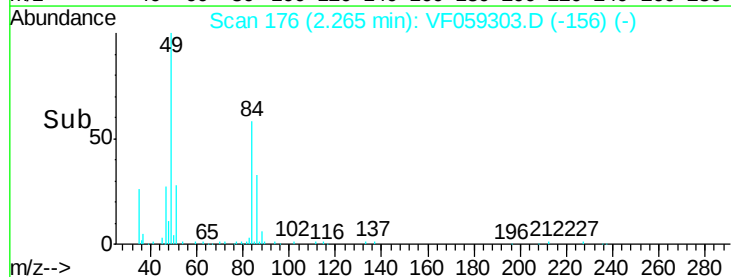
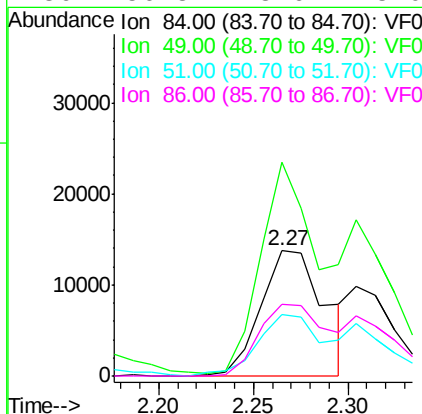
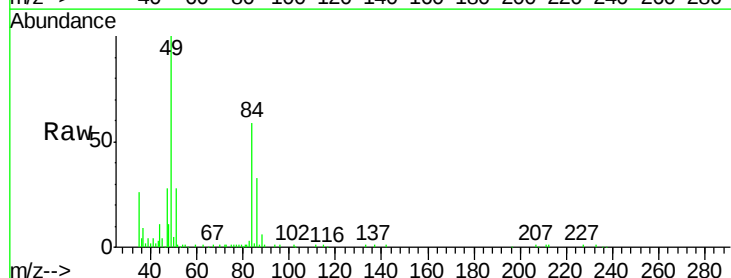
Tgt Ion: 73 Resp: 118770
 Ion Ratio Lower Upper
 73 100
 57 15.5 12.3 18.5

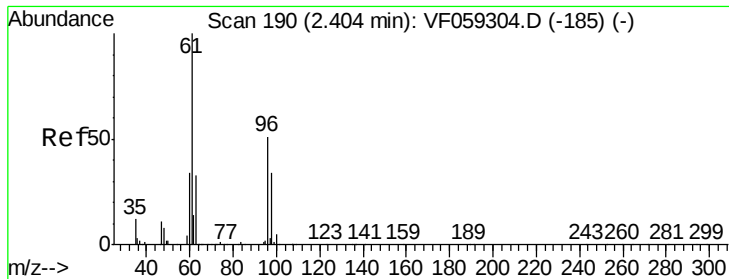


#20

Methylene Chloride
 Concen: 14.990 ug/l
 RT: 2.27 min Scan# 176
 Delta R.T. -0.00 min
 Lab File: VF059303.D
 Acq: 25 Jun 2018 15:46

Tgt Ion: 84 Resp: 32475
 Ion Ratio Lower Upper
 84 100
 49 170.3 126.5 189.7
 51 48.5 42.9 64.3
 86 56.8 48.6 73.0





#21

trans-1,2-Dichloroethene

Concen: 16.457 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

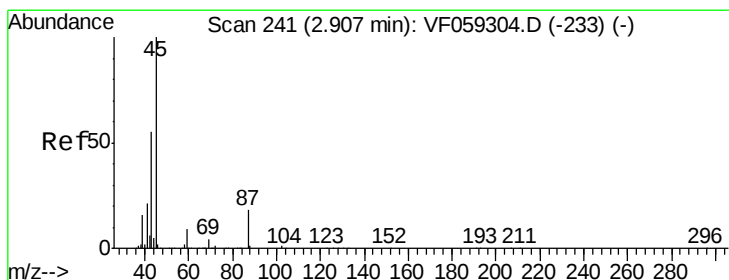
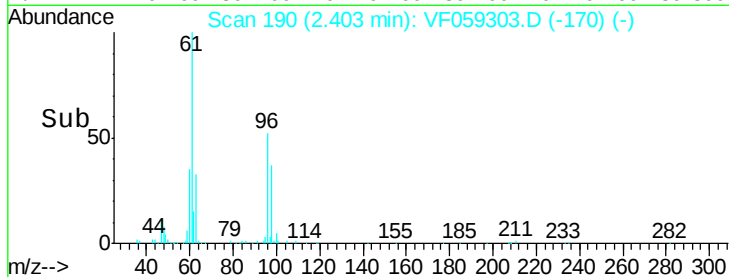
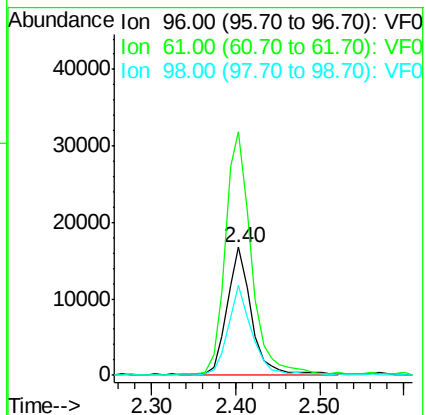
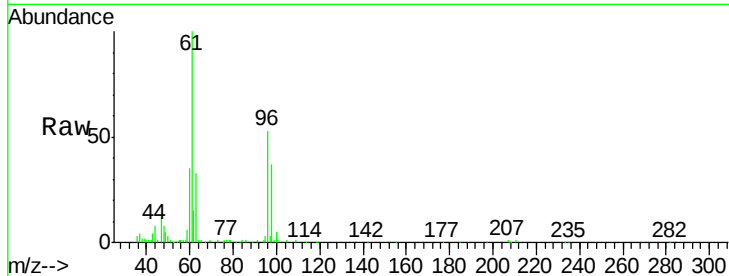
Tgt Ion: 96 Resp: 34116

Ion Ratio Lower Upper

96 100

61 190.3 157.4 236.2

98 70.8 53.7 80.5



#22

Diisopropyl ether

Concen: 17.390 ug/l

RT: 2.92 min Scan# 242

Delta R.T. 0.01 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

Tgt Ion: 45 Resp: 134835

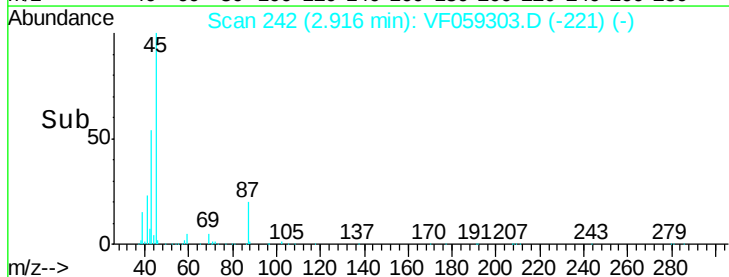
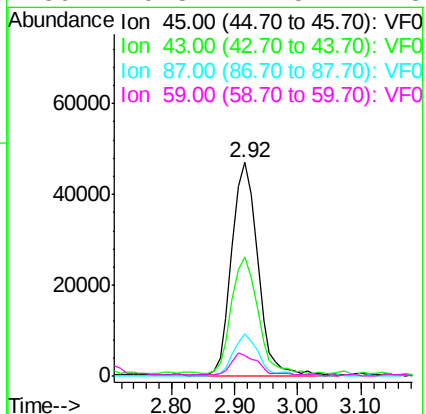
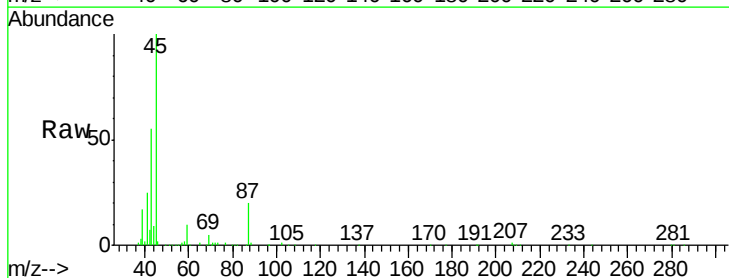
Ion Ratio Lower Upper

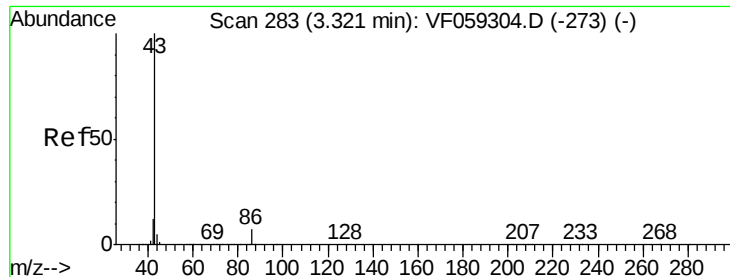
45 100

43 55.5 44.6 66.8

87 19.6 14.3 21.5

59 9.8 7.5 11.3





#23

Vinyl Acetate

Concen: 89.653 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

Instrument :

MSVOA_F

ClientSampleId :

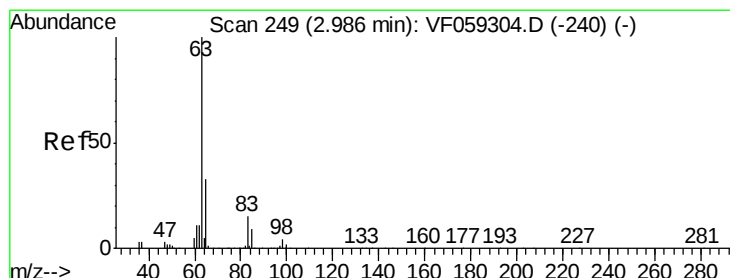
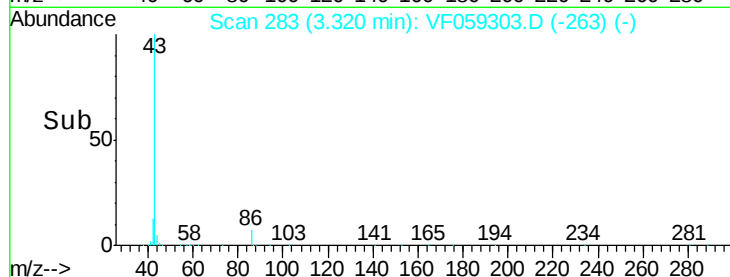
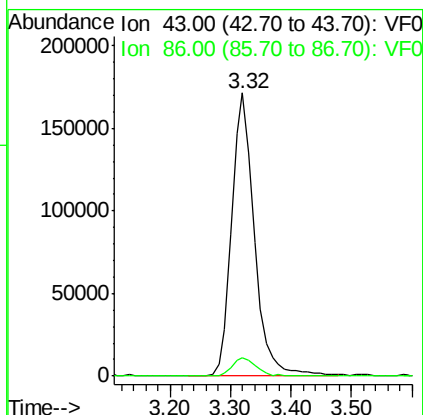
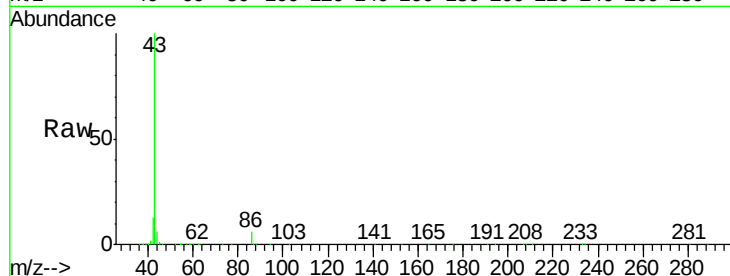
VSTDIC020

Tgt Ion: 43 Resp: 445326

Ion Ratio Lower Upper

43 100

86 6.5 5.8 8.6



#24

1,1-Dichloroethane

Concen: 16.610 ug/l

RT: 2.98 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

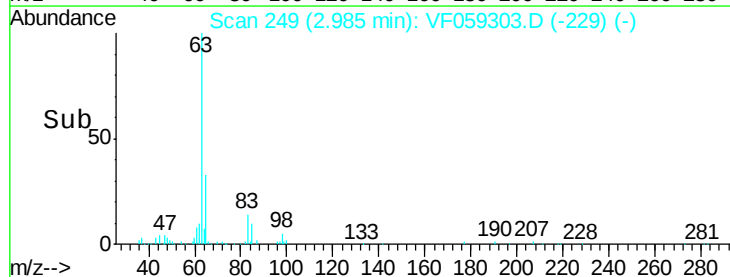
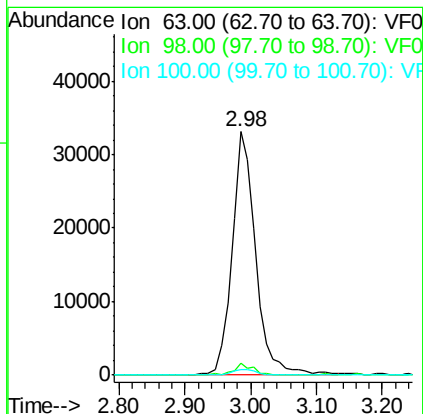
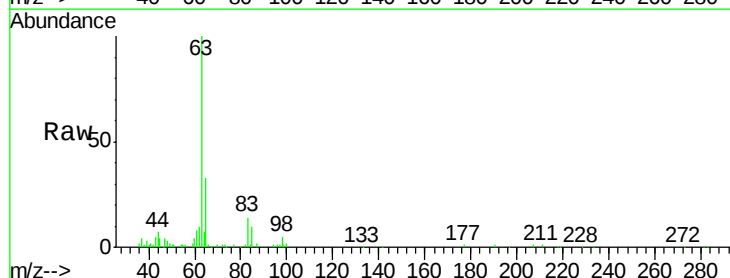
Tgt Ion: 63 Resp: 83171

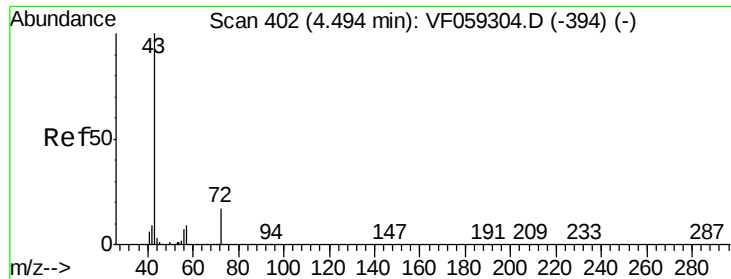
Ion Ratio Lower Upper

63 100

98 4.9 2.0 6.0

100 2.2 1.3 3.9





#25

2-Butanone

Concen: 80.913 ug/l

RT: 4.49 min Scan# 402

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

Instrument :

MSVOA_F

ClientSampleId :

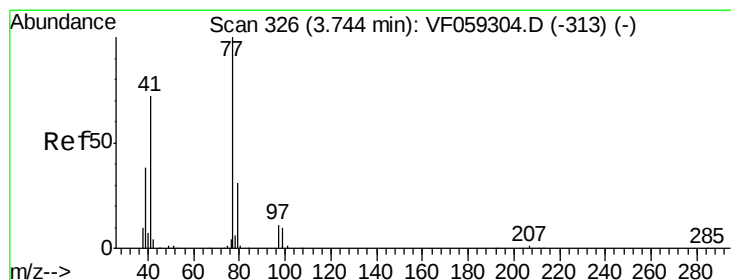
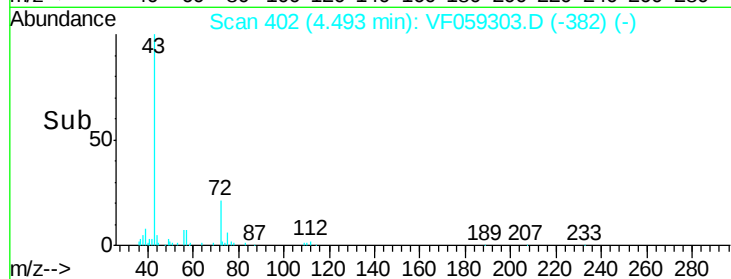
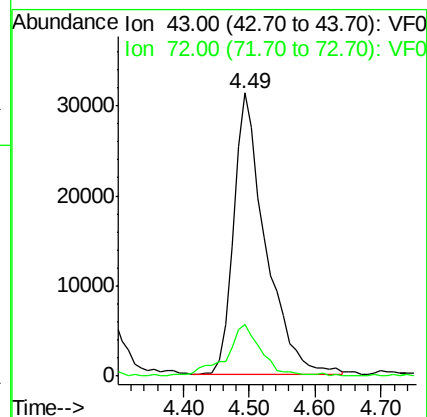
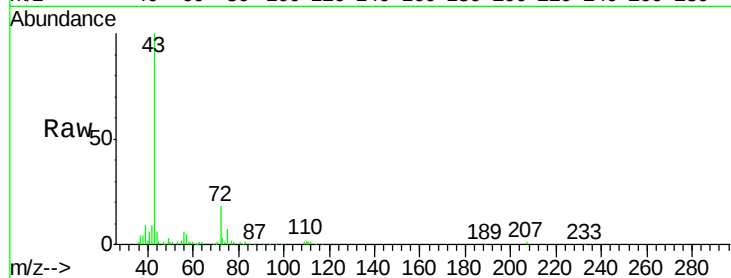
VSTDIC020

Tgt Ion: 43 Resp: 104929

Ion Ratio Lower Upper

43 100

72 18.4 14.4 21.6



#26

2,2-Dichloropropane

Concen: 17.716 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.01 min

Lab File: VF059303.D

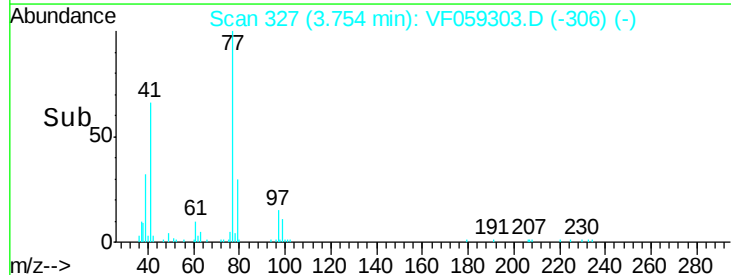
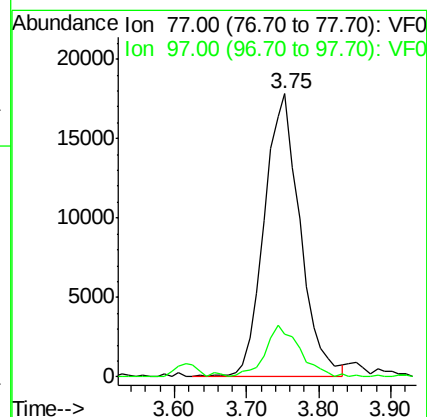
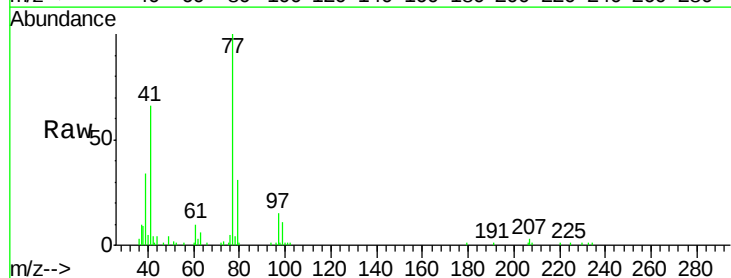
Acq: 25 Jun 2018 15:46

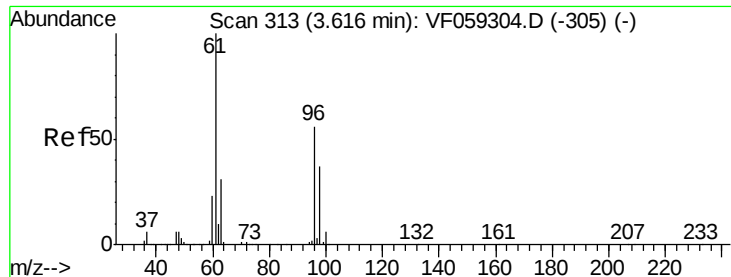
Tgt Ion: 77 Resp: 61487

Ion Ratio Lower Upper

77 100

97 15.0 8.0 23.8



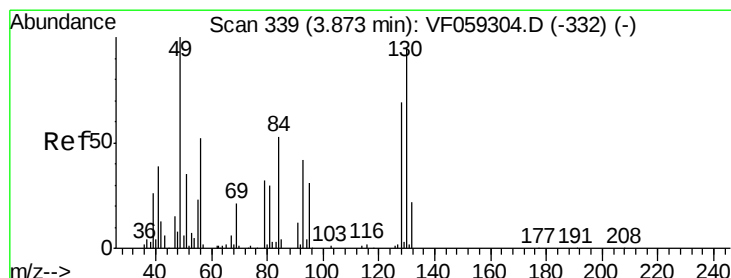
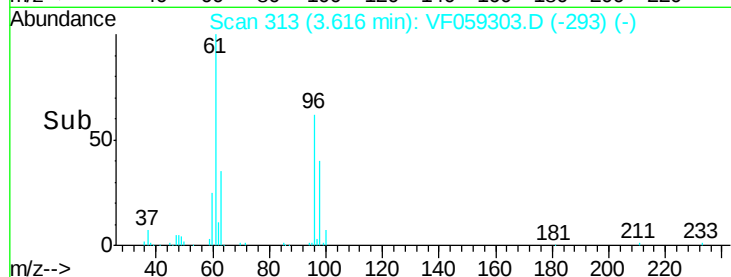
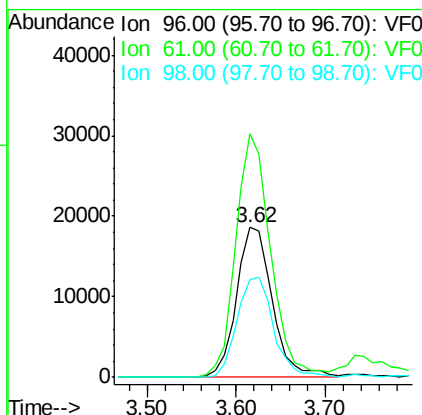
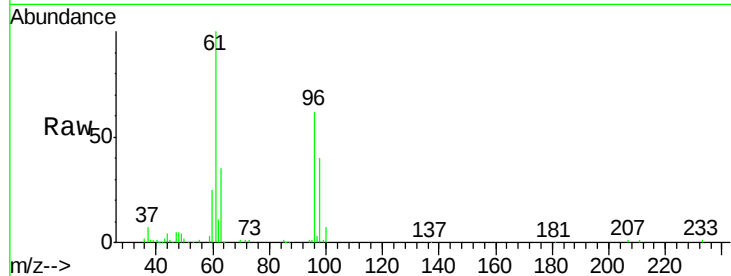


#27

cis-1,2-Dichloroethene
Concen: 16.466 ug/l
RT: 3.62 min Scan# 313
Delta R.T. -0.00 min
Lab File: VF059303.D
Acq: 25 Jun 2018 15:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

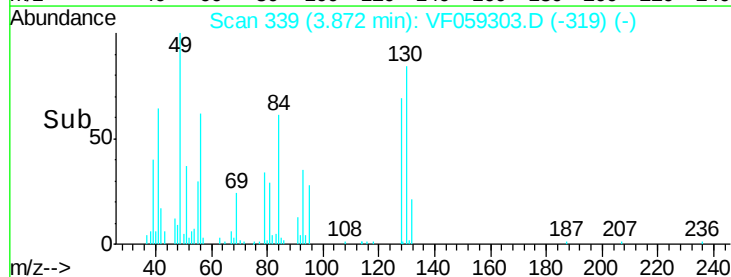
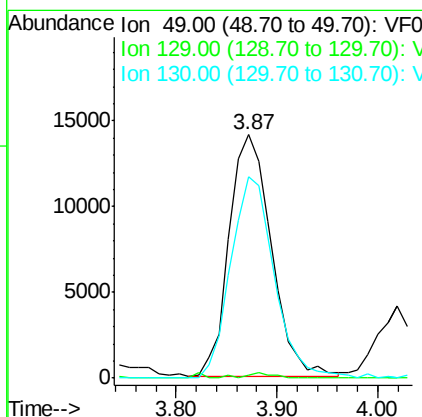
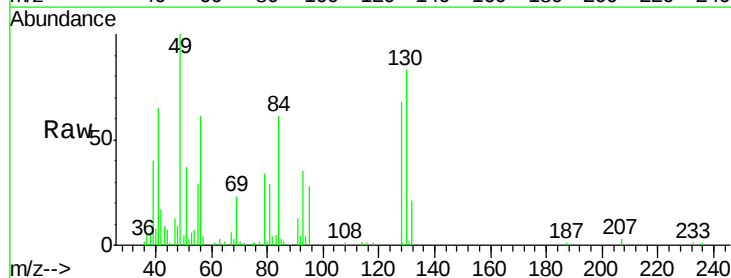
Tgt Ion: 96 Resp: 52002
Ion Ratio Lower Upper
96 100
61 162.5 0.0 355.4
98 64.8 0.0 131.0

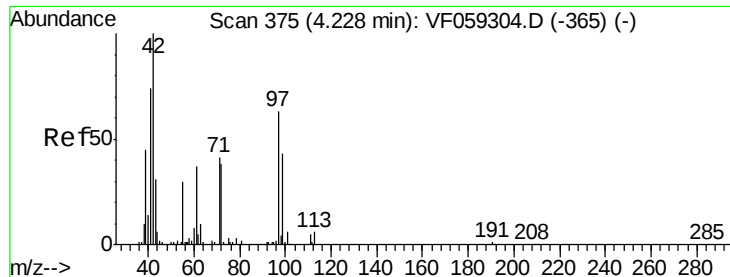


#28

Bromochloromethane
Concen: 19.532 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.00 min
Lab File: VF059303.D
Acq: 25 Jun 2018 15:46

Tgt Ion: 49 Resp: 40865
Ion Ratio Lower Upper
49 100
129 1.3 0.0 6.4
130 82.8 75.1 112.7





#29

Tetrahydrofuran

Concen: 79.818 ug/l

RT: 4.25 min Scan# 377

Delta R.T. 0.02 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

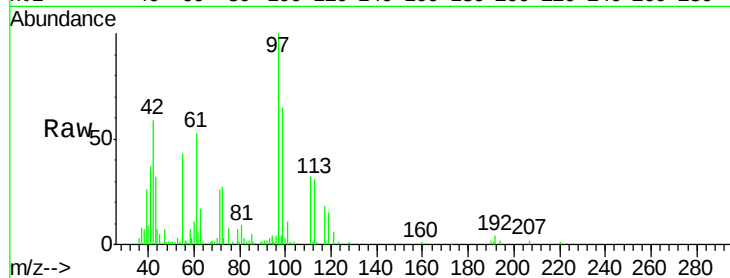
Tgt Ion: 42 Resp: 46389

Ion Ratio Lower Upper

42 100

72 38.1 30.5 45.7

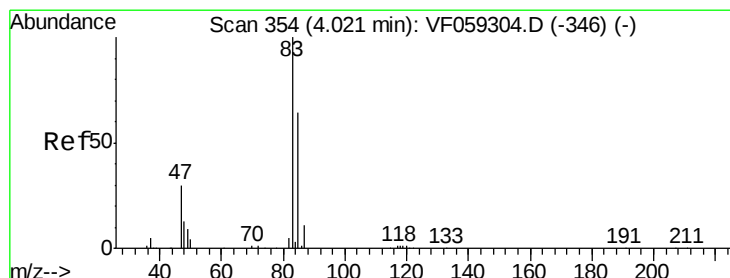
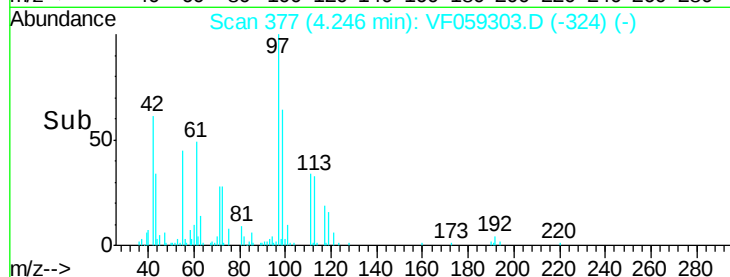
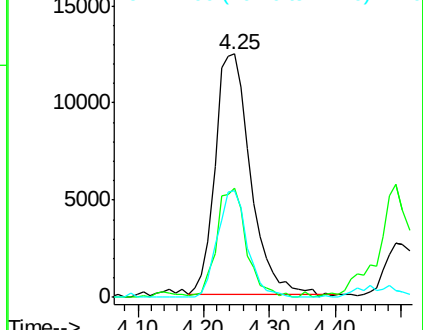
71 37.3 32.5 48.7



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 17.014 ug/l

RT: 4.02 min Scan# 354

Delta R.T. -0.00 min

Lab File: VF059303.D

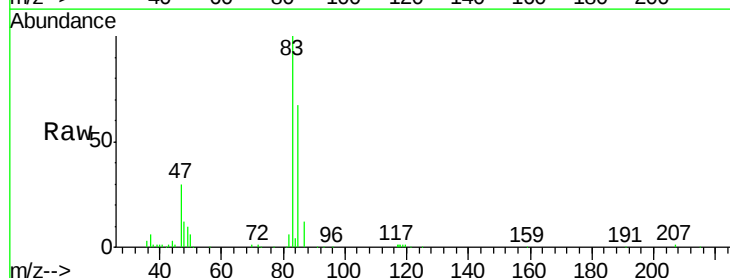
Acq: 25 Jun 2018 15:46

Tgt Ion: 83 Resp: 123133

Ion Ratio Lower Upper

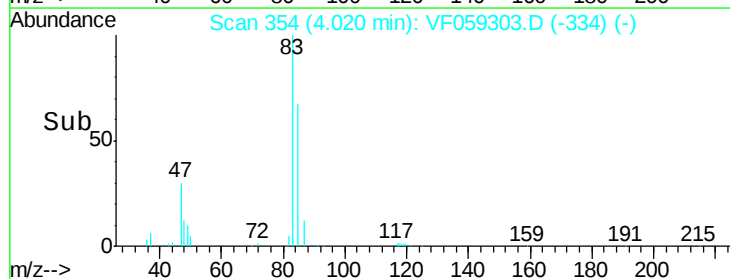
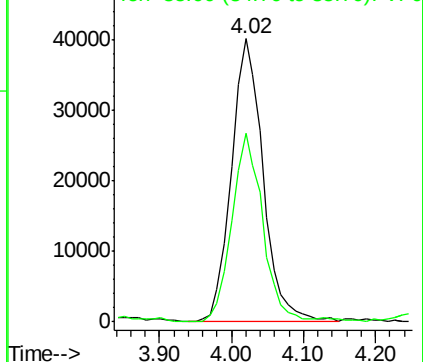
83 100

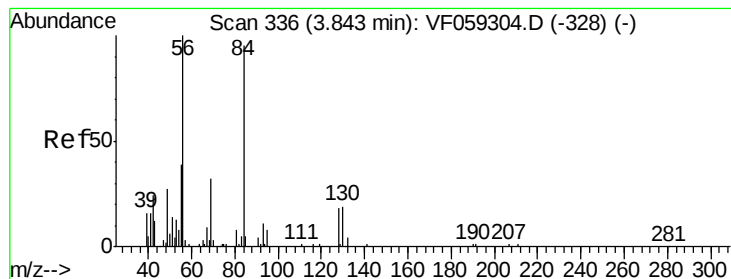
85 66.8 51.3 76.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 16.462 ug/l

RT: 3.86 min Scan# 338

Delta R.T. 0.02 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

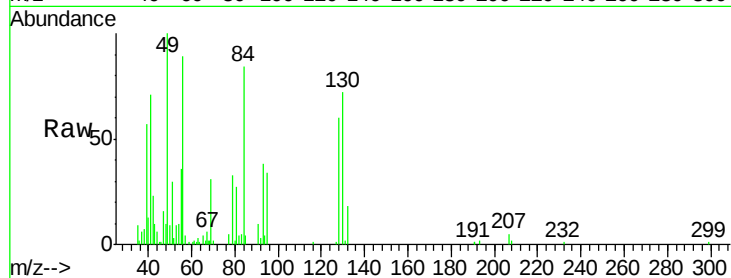
Tgt Ion: 56 Resp: 55850

Ion Ratio Lower Upper

56 100

69 34.7 25.8 38.8

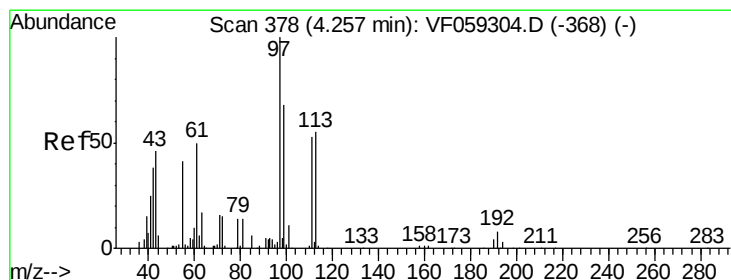
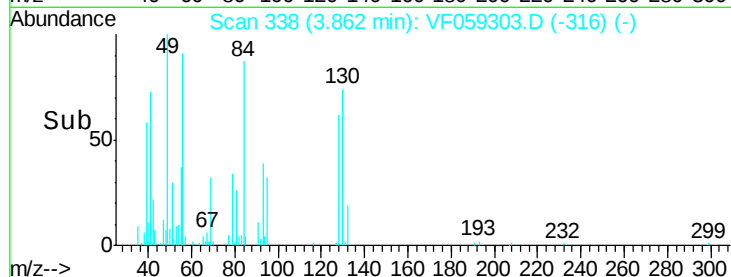
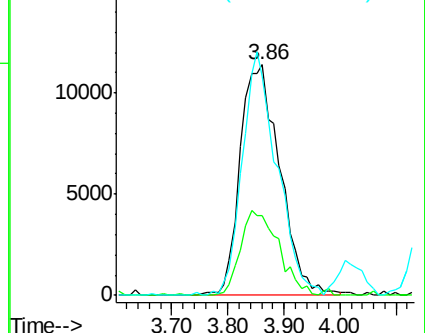
84 95.1 75.6 113.4



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 17.618 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

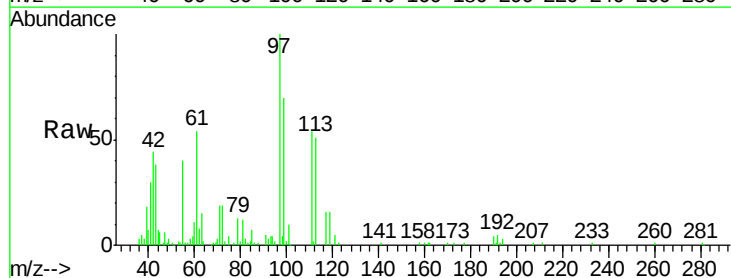
Tgt Ion: 97 Resp: 95634

Ion Ratio Lower Upper

97 100

99 69.8 54.1 81.1

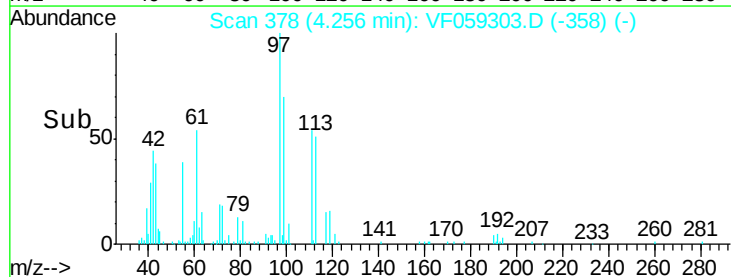
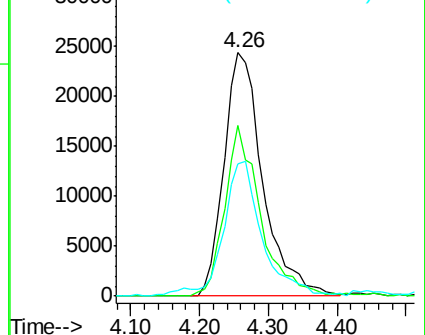
61 54.4 41.2 61.8

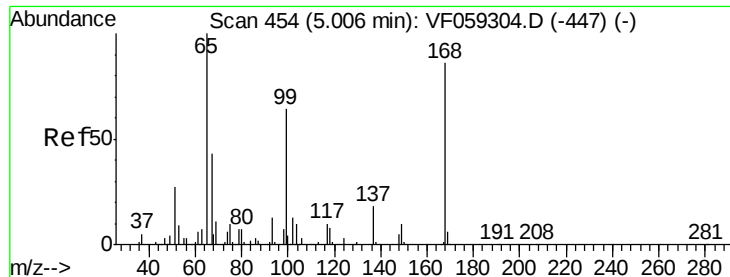


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 18.166 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

Instrument :

MSVOA_F

ClientSampleId :

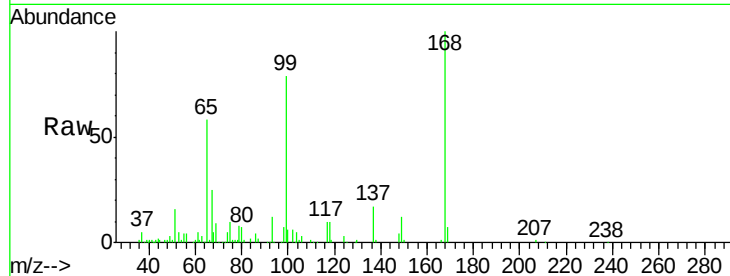
VSTDIC020

Tgt Ion: 65 Resp: 73962

Ion Ratio Lower Upper

65 100

67 43.2 0.0 96.8

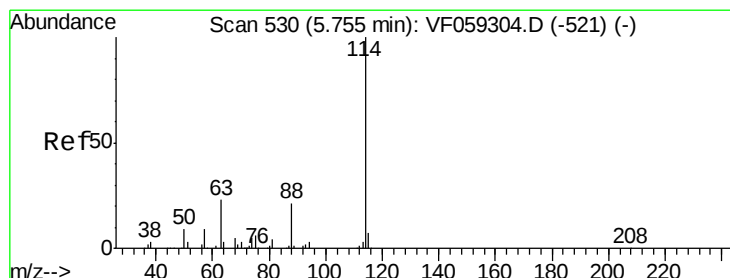
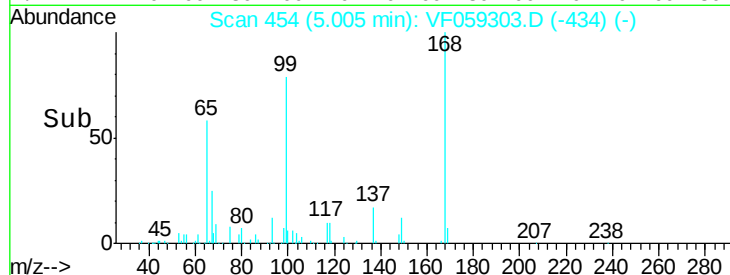


Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.01

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

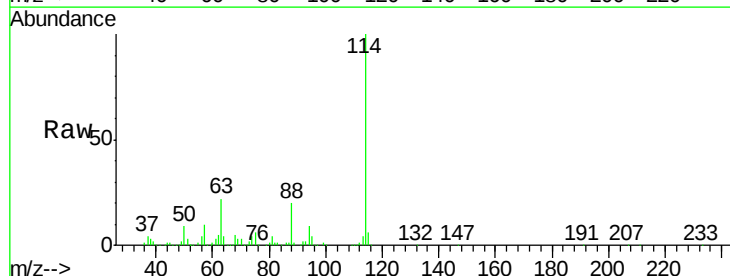
Tgt Ion: 114 Resp: 443823

Ion Ratio Lower Upper

114 100

63 21.5 0.0 45.8

88 20.3 0.0 41.2



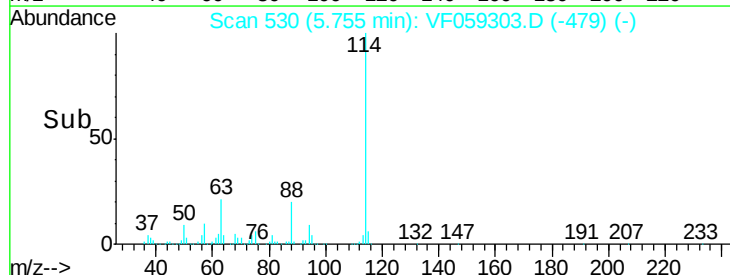
Abundance Ion 114.00 (113.70 to 114.70): V

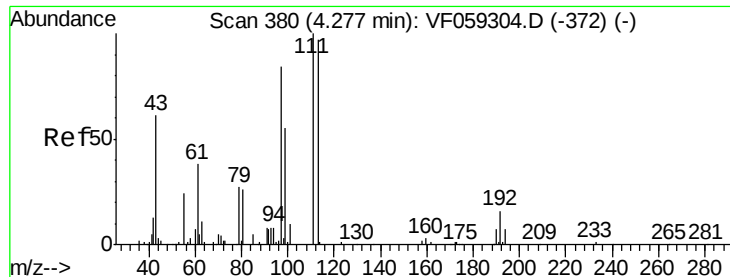
Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

5.75

Time-->





#35

Dibromofluoromethane

Concen: 18.837 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

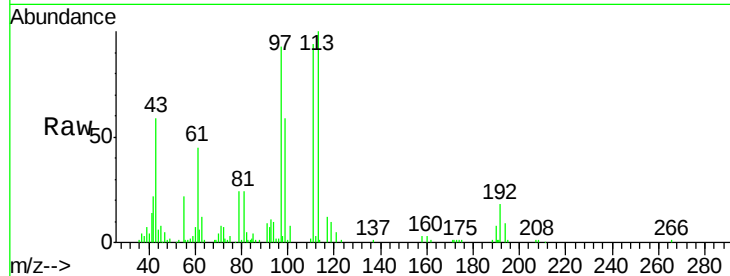
Tgt Ion:113 Resp: 68689

Ion Ratio Lower Upper

113 100

111 94.0 82.1 123.1

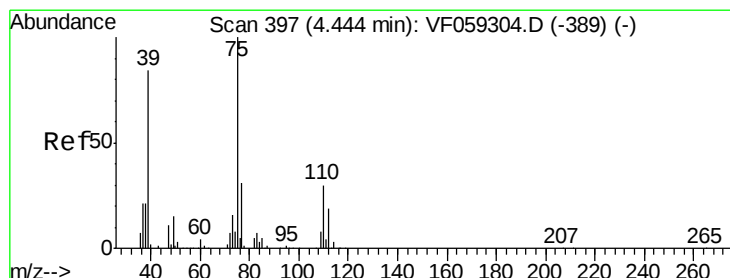
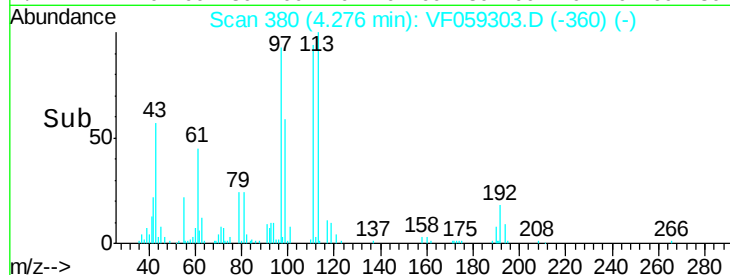
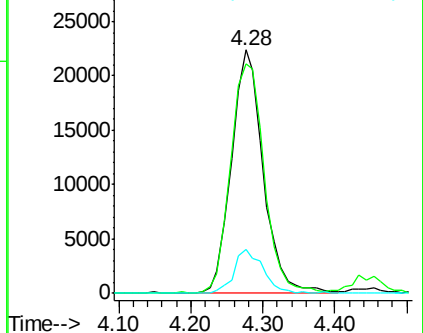
192 17.8 13.0 19.6



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: 17.509 ug/l

RT: 4.44 min Scan# 397

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

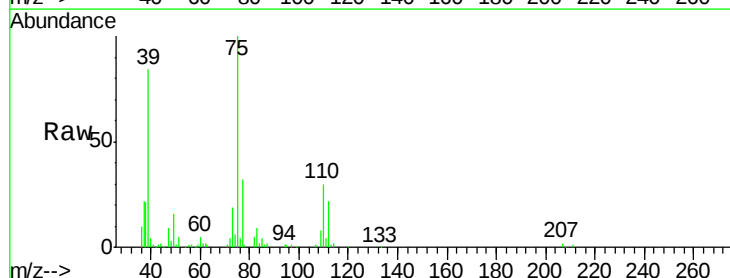
Tgt Ion: 75 Resp: 78669

Ion Ratio Lower Upper

75 100

110 30.5 14.8 44.4

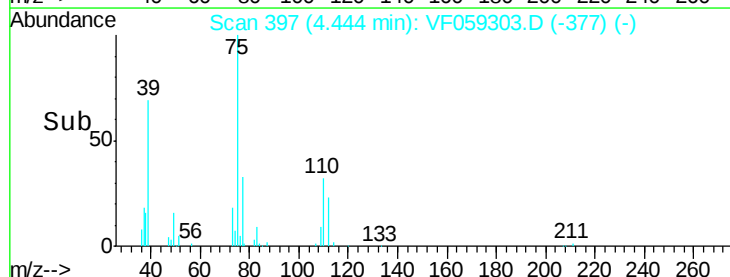
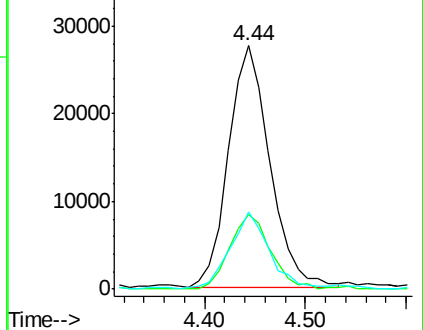
77 31.5 25.2 37.8

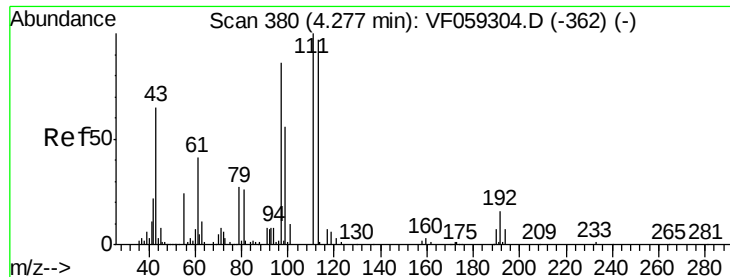


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 16.611 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

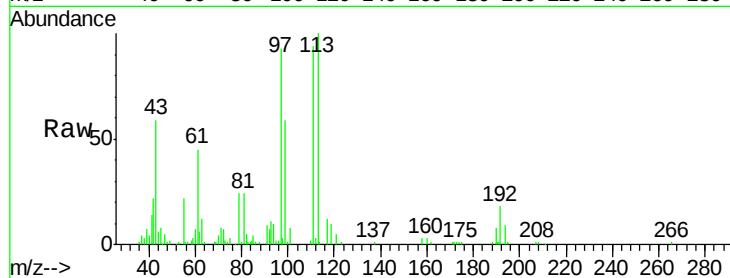
Tgt Ion: 43 Resp: 49068

Ion Ratio Lower Upper

43 100

61 77.2 50.1 75.1#

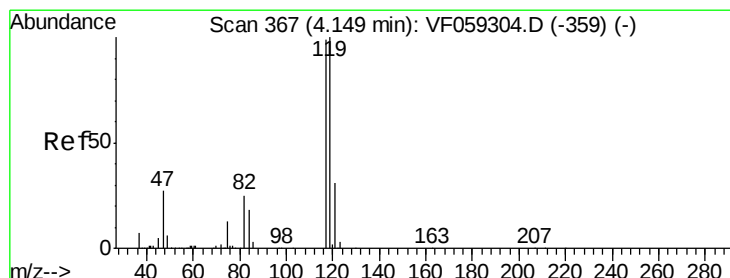
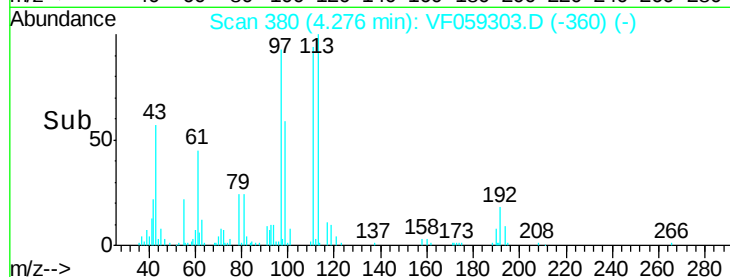
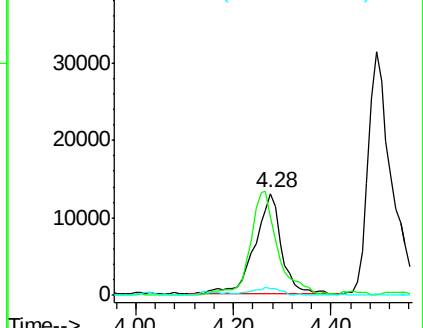
70 7.1 6.2 9.4



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: 18.149 ug/l

RT: 4.15 min Scan# 367

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

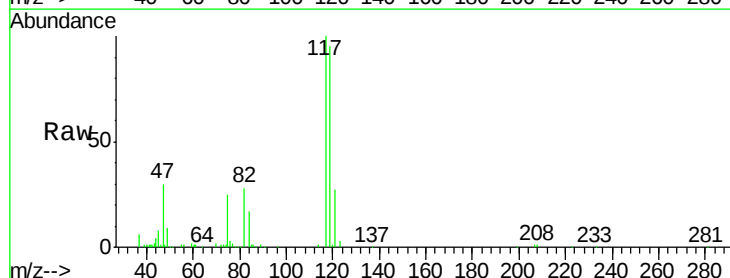
Tgt Ion: 117 Resp: 100594

Ion Ratio Lower Upper

117 100

119 94.7 81.0 121.4

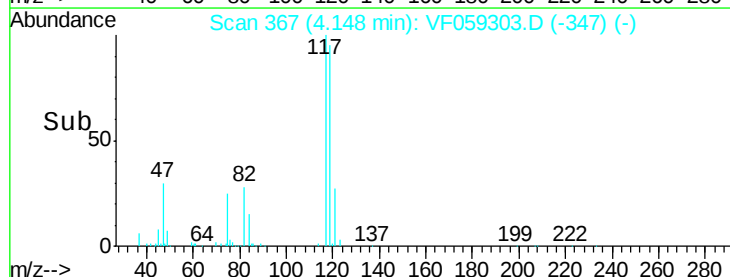
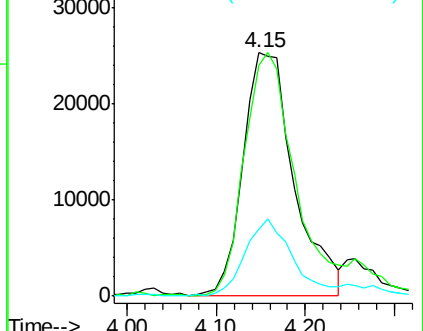
121 27.5 24.7 37.1

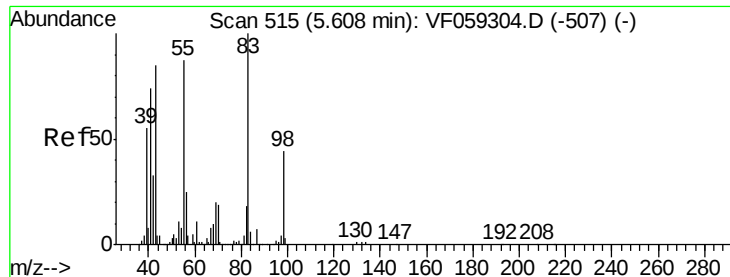


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

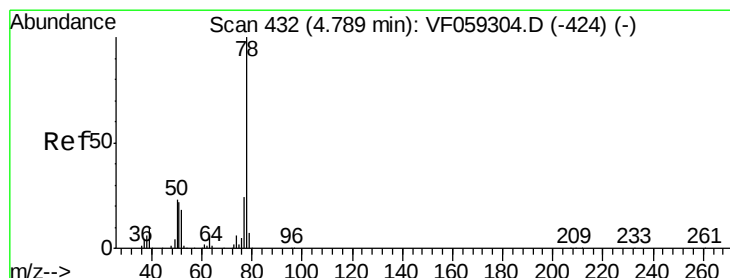
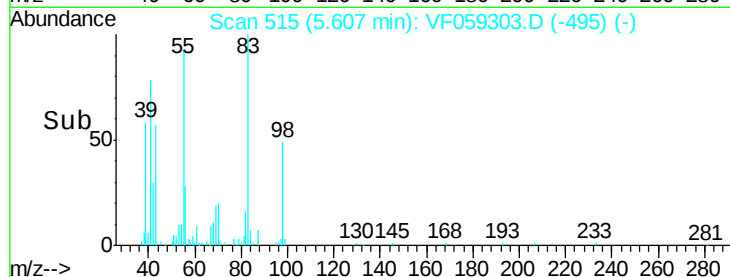
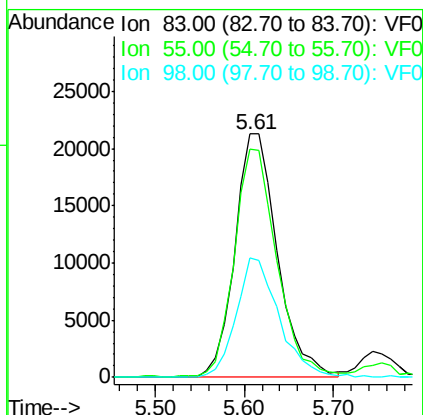
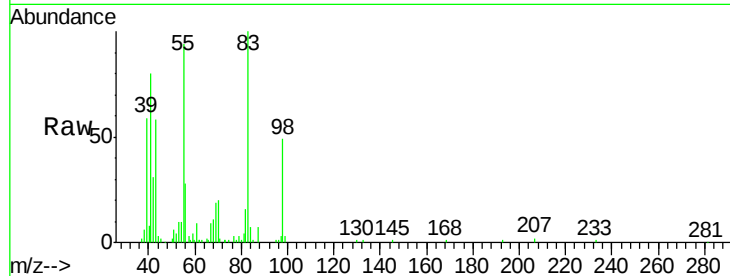




#39
Methylcyclohexane
Concen: 17.491 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.00 min
Lab File: VF059303.D
Acq: 25 Jun 2018 15:46

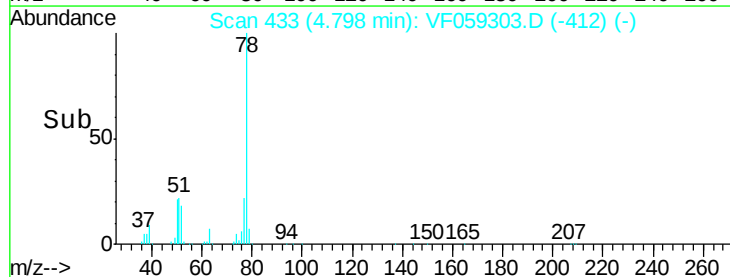
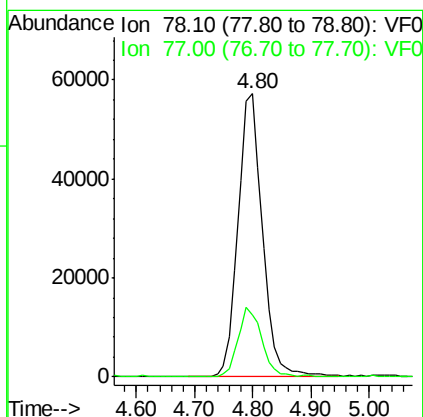
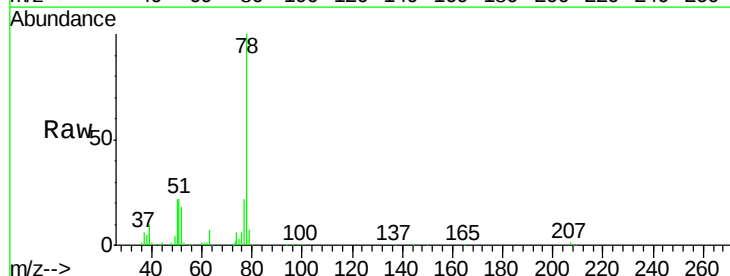
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

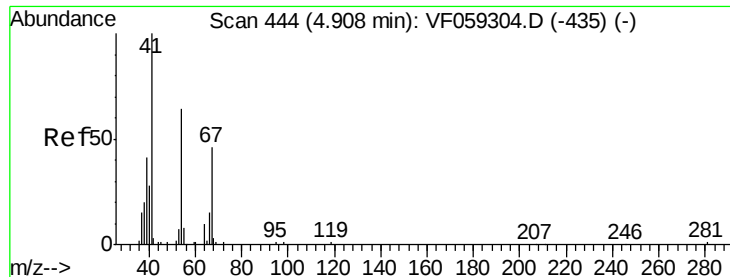
Tgt Ion: 83 Resp: 70664
Ion Ratio Lower Upper
83 100
55 93.8 69.2 103.8
98 49.3 35.0 52.6



#40
Benzene
Concen: 17.464 ug/l
RT: 4.80 min Scan# 433
Delta R.T. 0.01 min
Lab File: VF059303.D
Acq: 25 Jun 2018 15:46

Tgt Ion: 78 Resp: 167840
Ion Ratio Lower Upper
78 100
77 22.1 19.6 29.4

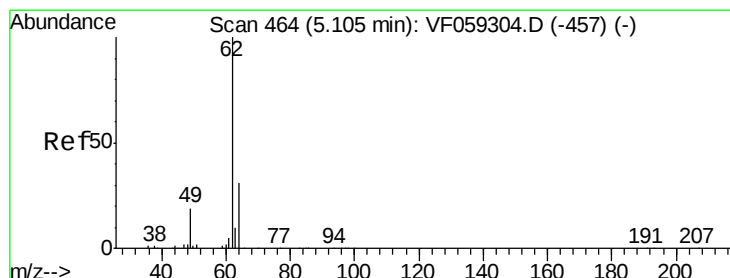
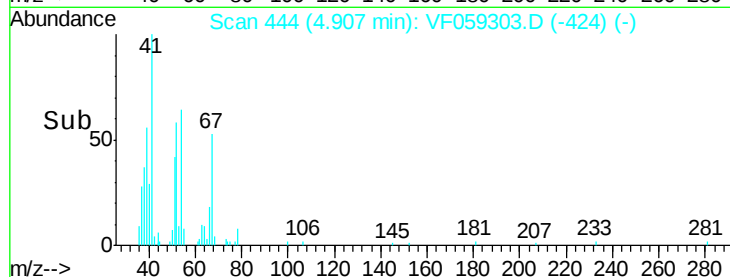
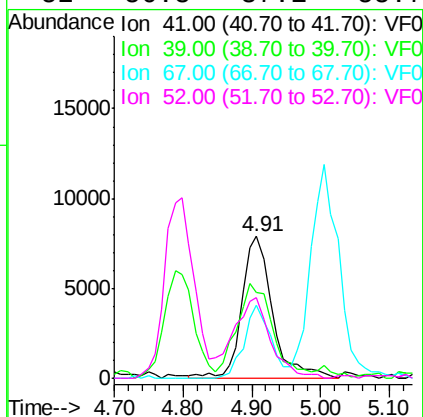
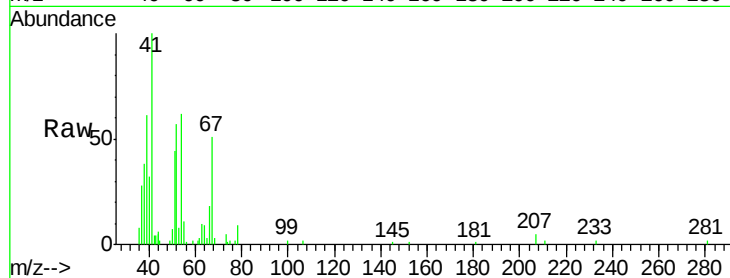




#41
Methacrylonitrile
Concen: 17.371 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.00 min
Lab File: VF059303.D
Acq: 25 Jun 2018 15:46

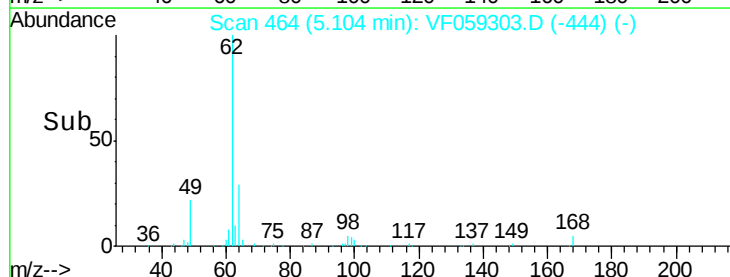
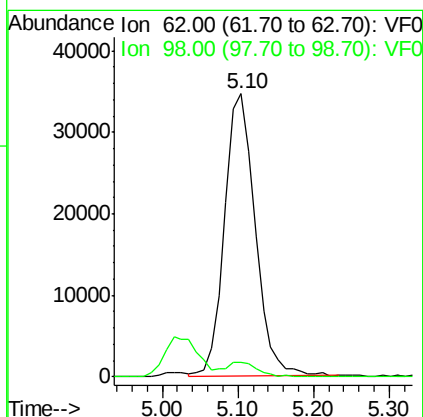
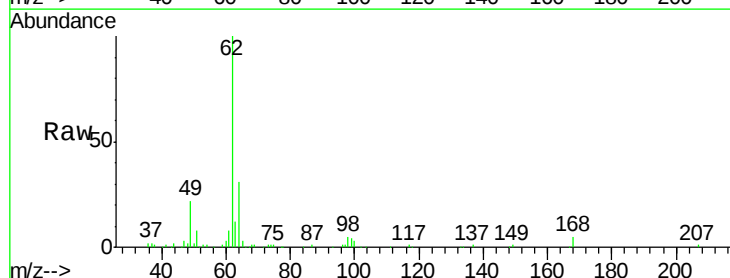
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

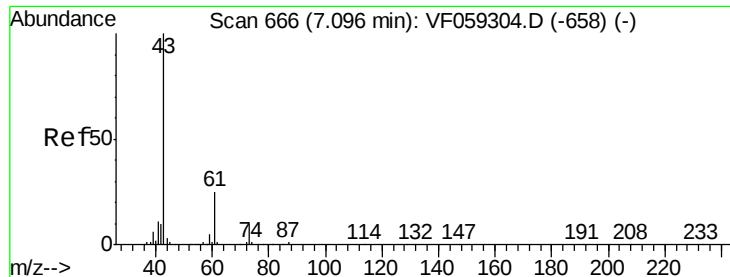
Tgt Ion: 41 Resp: 24429
Ion Ratio Lower Upper
41 100
39 60.8 50.0 75.0
67 51.1 37.0 55.6
52 56.8 37.1 55.7#



#42
1,2-Dichloroethane
Concen: 17.671 ug/l
RT: 5.10 min Scan# 464
Delta R.T. -0.00 min
Lab File: VF059303.D
Acq: 25 Jun 2018 15:46

Tgt Ion: 62 Resp: 97546
Ion Ratio Lower Upper
62 100
98 5.3 0.0 11.4



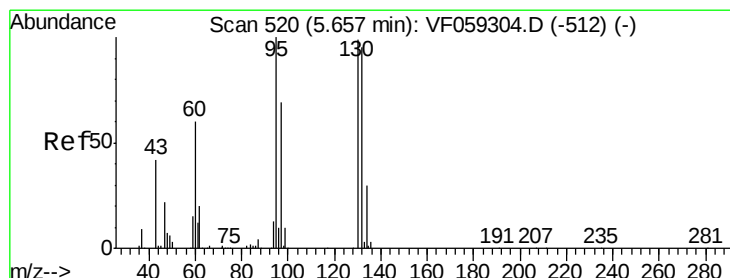
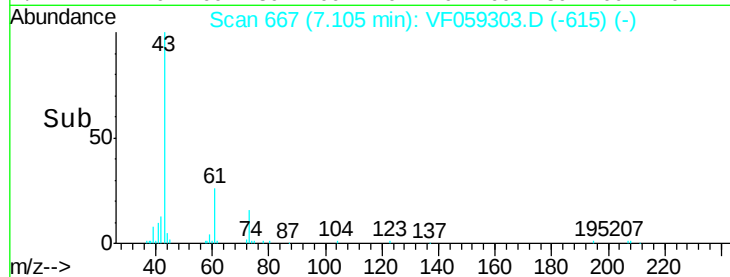
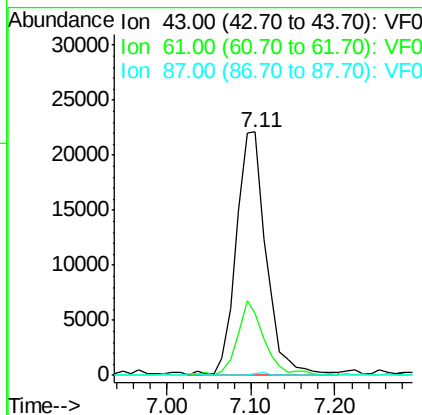
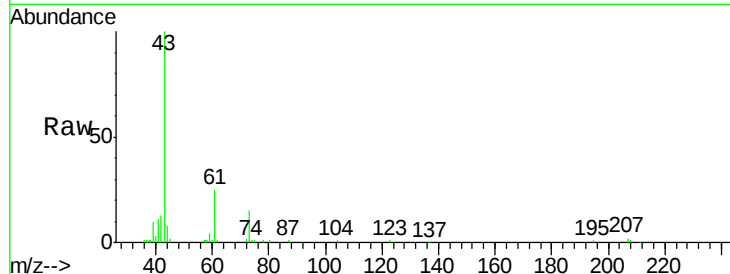


#43

Isopropyl Acetate
 Concen: 15.491 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. 0.01 min
 Lab File: VF059303.D
 Acq: 25 Jun 2018 15:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

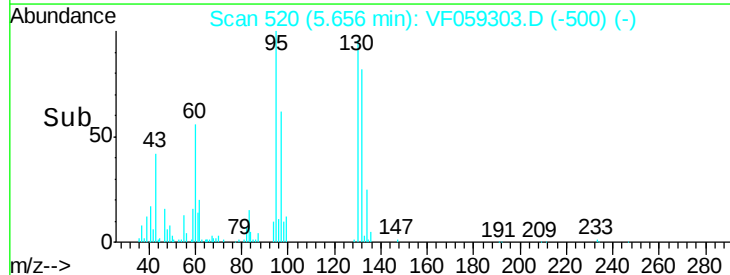
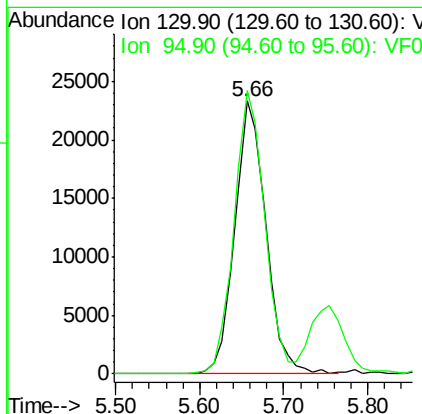
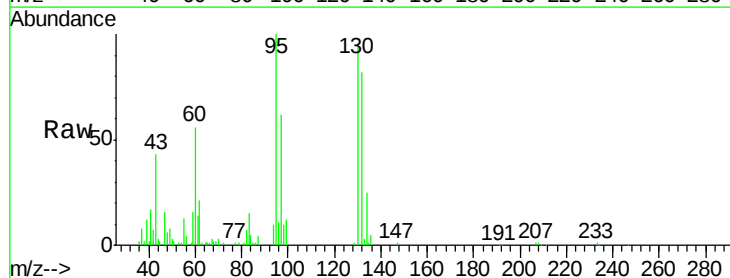
Tgt Ion: 43 Resp: 55063
 Ion Ratio Lower Upper
 43 100
 61 25.2 19.7 29.5
 87 0.8 0.5 0.7#

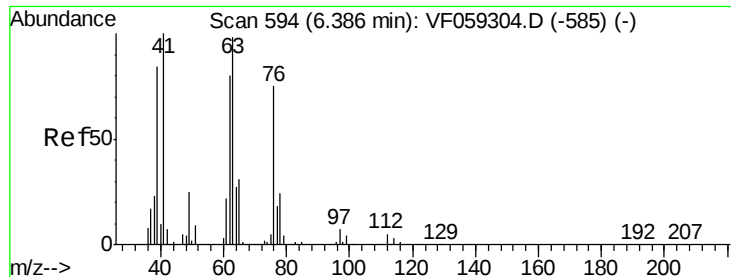


#44

Trichloroethene
 Concen: 18.168 ug/l
 RT: 5.66 min Scan# 520
 Delta R.T. -0.00 min
 Lab File: VF059303.D
 Acq: 25 Jun 2018 15:46

Tgt Ion: 130 Resp: 60046
 Ion Ratio Lower Upper
 130 100
 95 103.7 0.0 202.4





#45

1,2-Dichloropropane

Concen: 17.521 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.01 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

Instrument :

MSVOA_F

ClientSampleId :

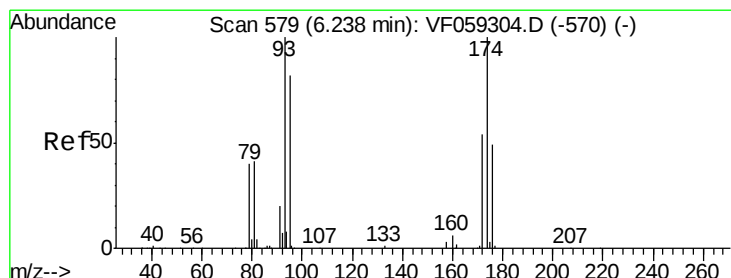
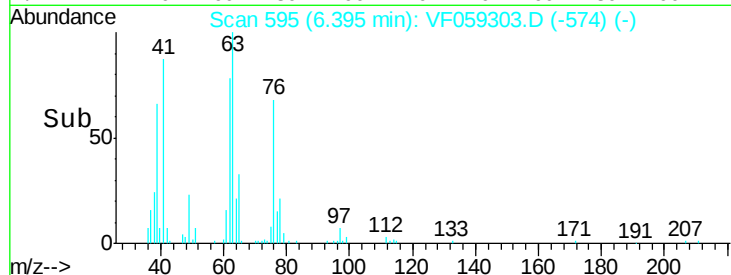
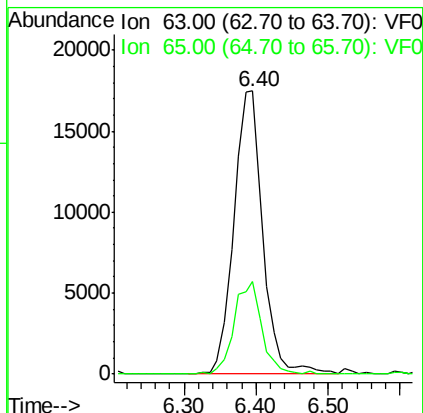
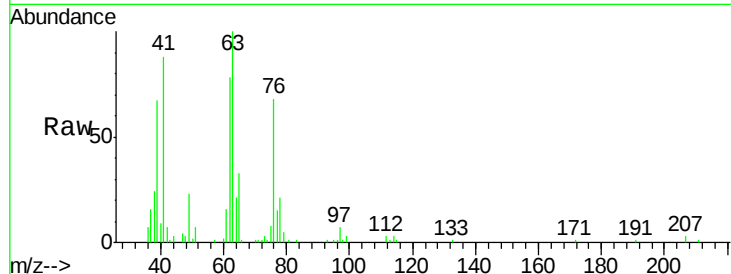
VSTDIC020

Tgt Ion: 63 Resp: 48827

Ion Ratio Lower Upper

63 100

65 32.6 25.3 37.9



#46

Dibromomethane

Concen: 16.715 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

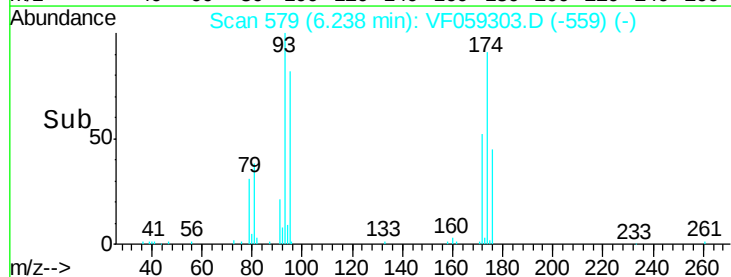
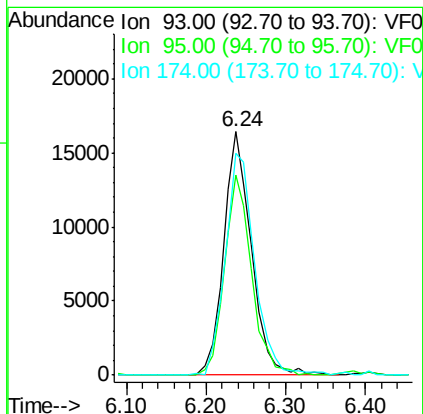
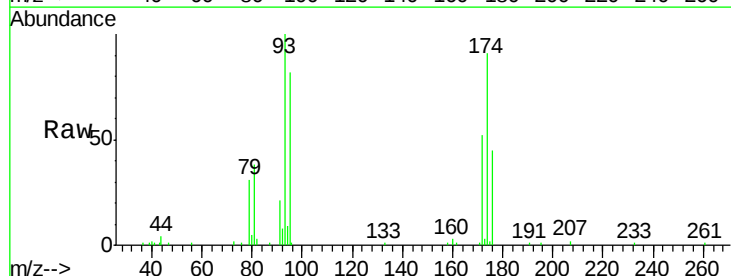
Tgt Ion: 93 Resp: 39974

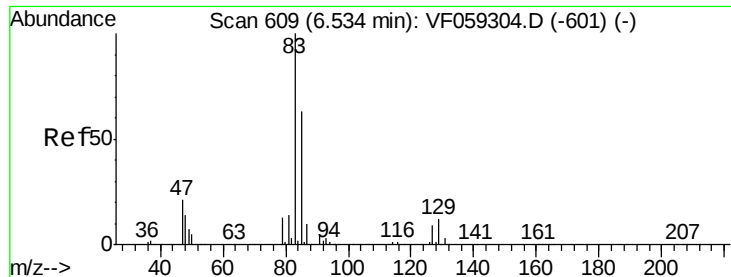
Ion Ratio Lower Upper

93 100

95 83.1 65.6 98.4

174 91.1 80.0 120.0





#47

Bromodichloromethane

Concen: 17.398 ug/l

RT: 6.53 min Scan# 609

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

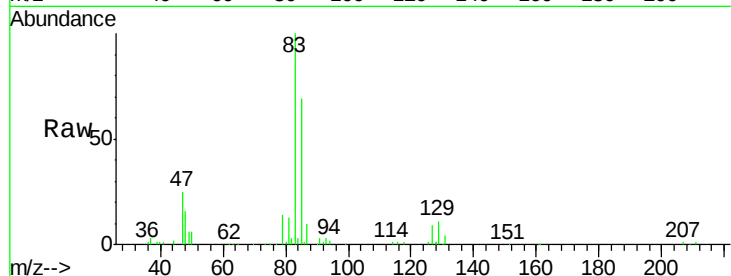
Tgt Ion: 83 Resp: 99194

Ion Ratio Lower Upper

83 100

85 69.2 50.2 75.2

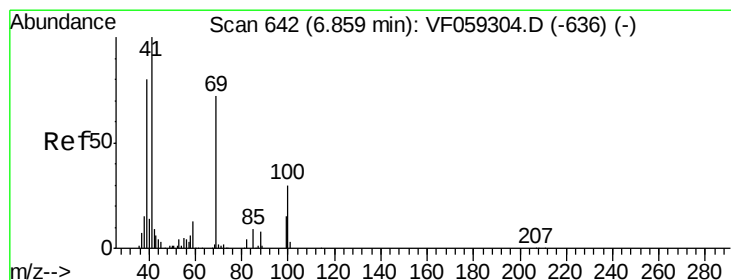
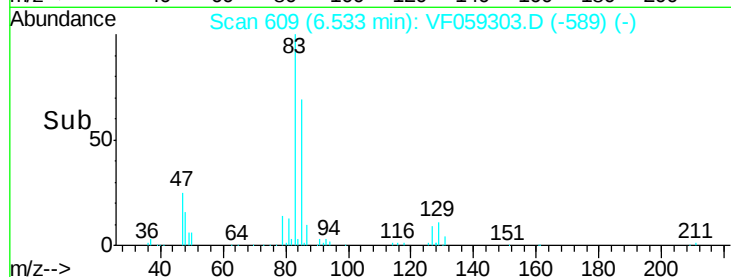
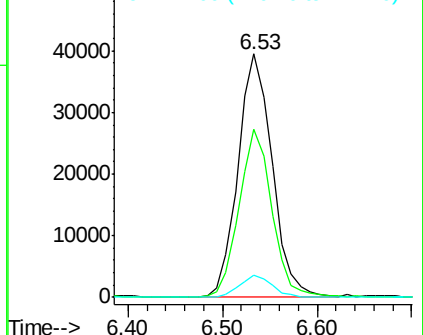
127 9.2 7.0 10.4



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: 16.444 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

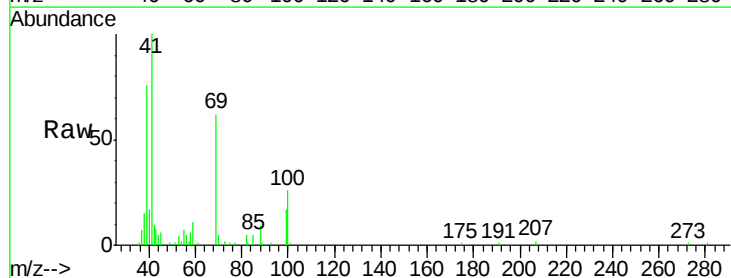
Tgt Ion: 41 Resp: 37419

Ion Ratio Lower Upper

41 100

69 61.9 57.3 85.9

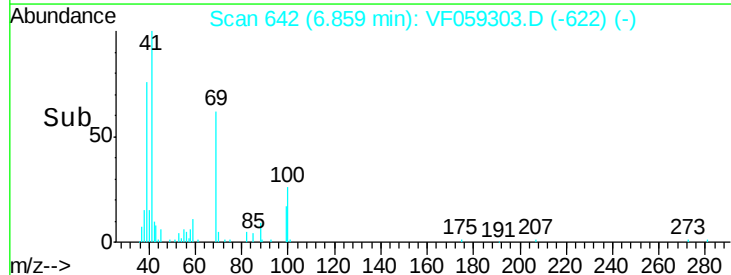
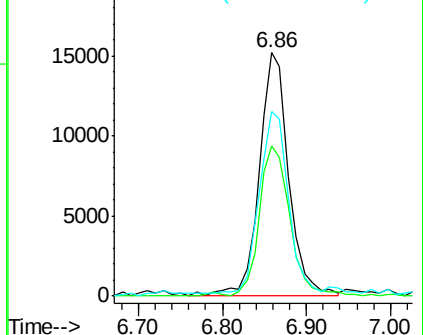
39 76.1 64.4 96.6

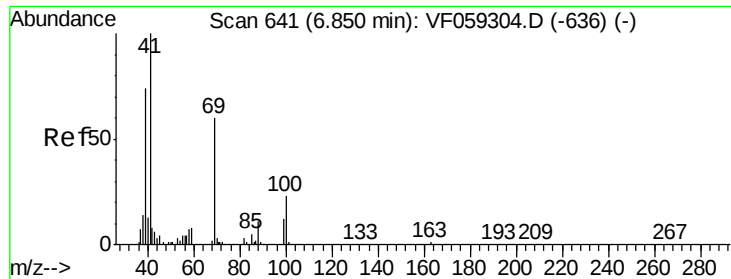


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 317.909 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

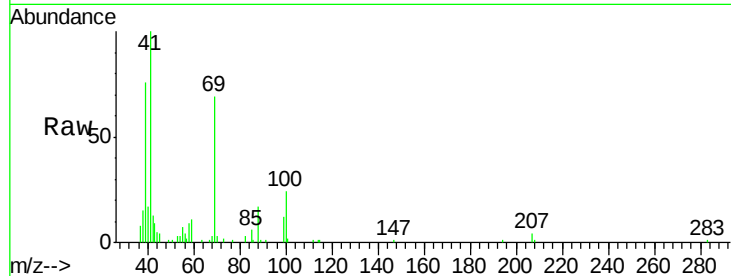
Tgt Ion: 88 Resp: 4239

Ion Ratio Lower Upper

88 100

43 49.4 50.6 75.8#

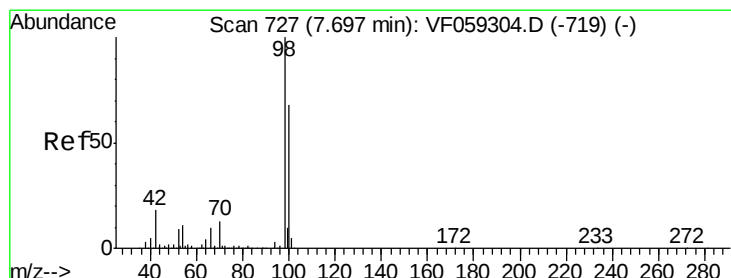
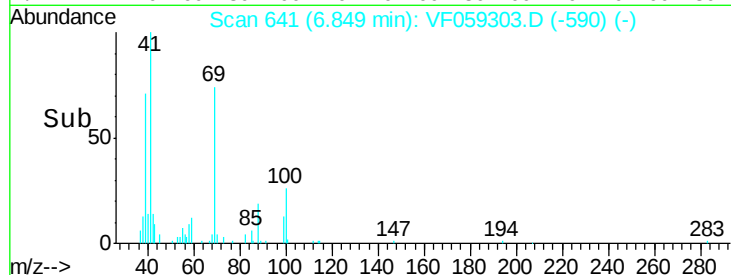
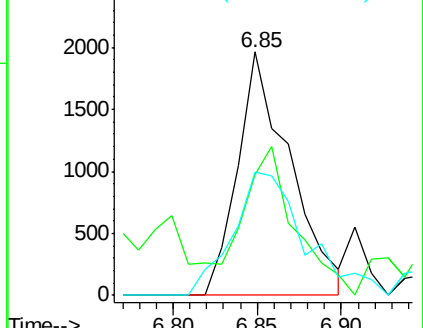
58 50.6 46.6 69.8



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: 17.756 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.00 min

Lab File: VF059303.D

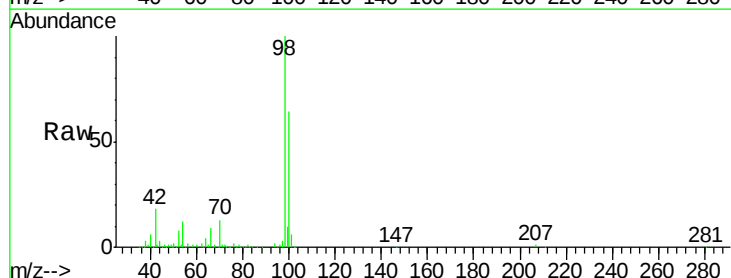
Acq: 25 Jun 2018 15:46

Tgt Ion: 98 Resp: 163947

Ion Ratio Lower Upper

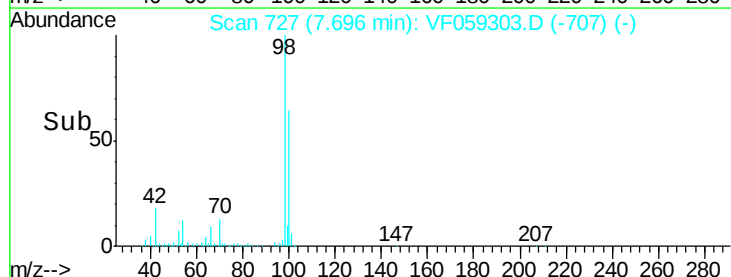
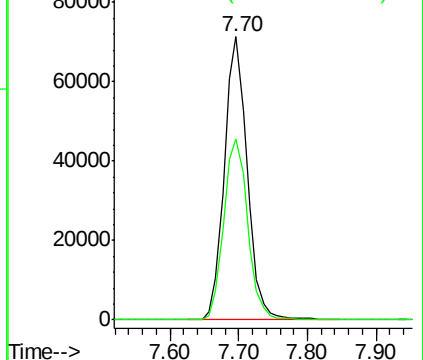
98 100

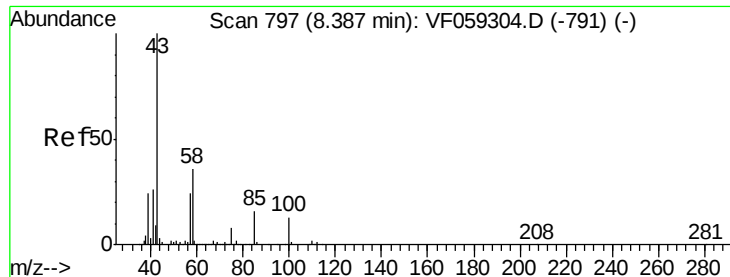
100 64.0 54.6 82.0



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: 83.056 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

Instrument :

MSVOA_F

ClientSampleId :

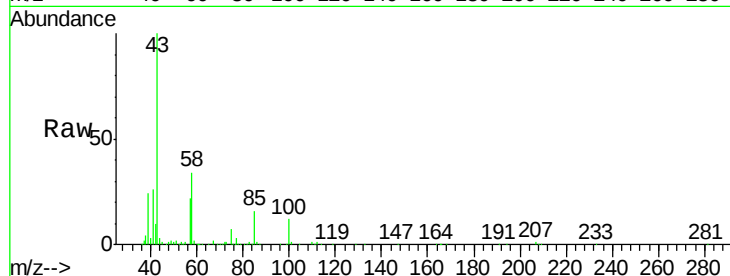
VSTDIC020

Tgt Ion: 43 Resp: 213188

Ion Ratio Lower Upper

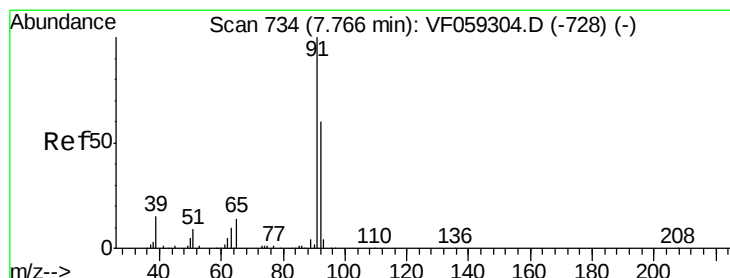
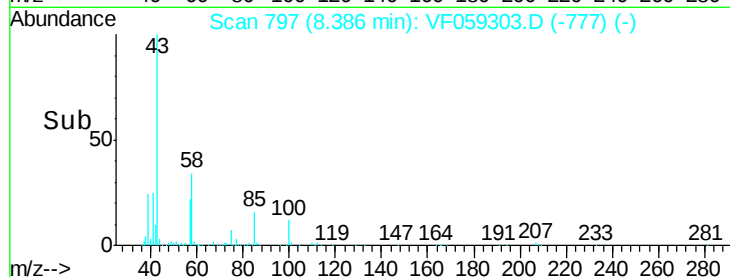
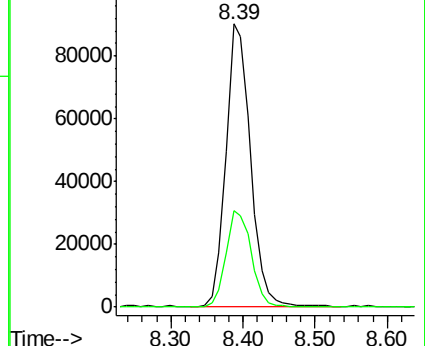
43 100

58 34.0 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 16.697 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059303.D

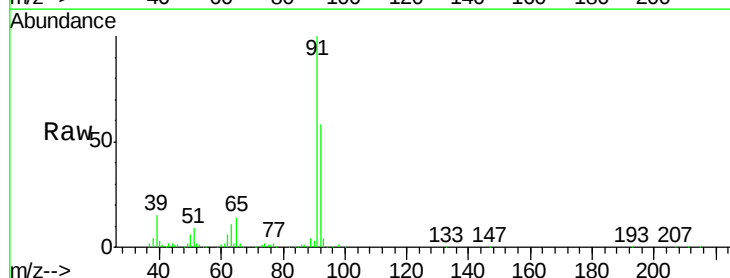
Acq: 25 Jun 2018 15:46

Tgt Ion: 92 Resp: 124126

Ion Ratio Lower Upper

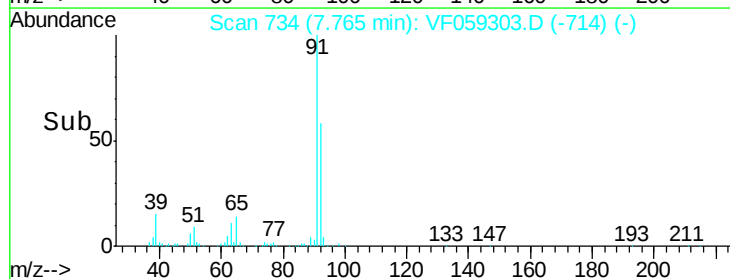
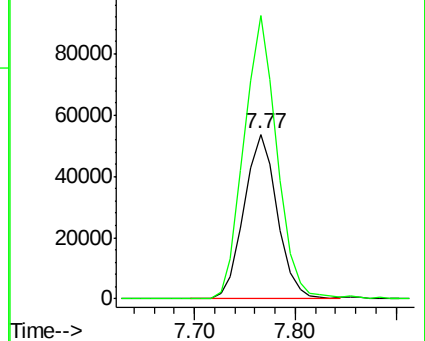
92 100

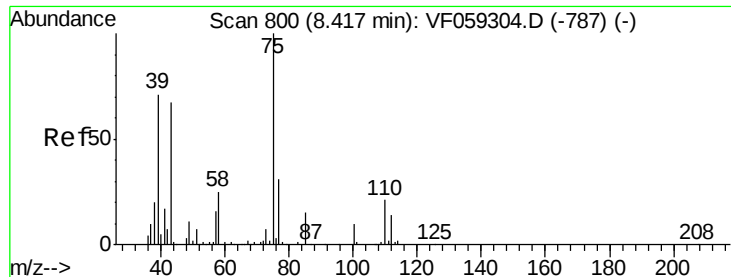
91 171.6 132.8 199.2



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: 17.291 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

Instrument :

MSVOA_F

ClientSampleId :

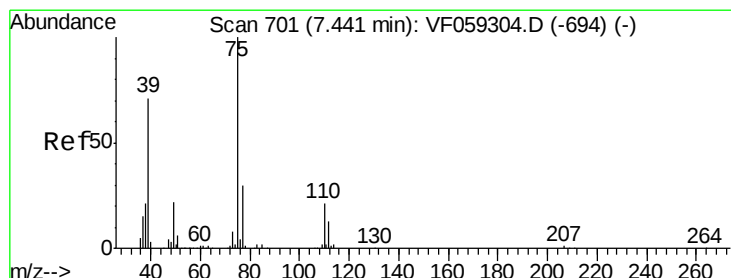
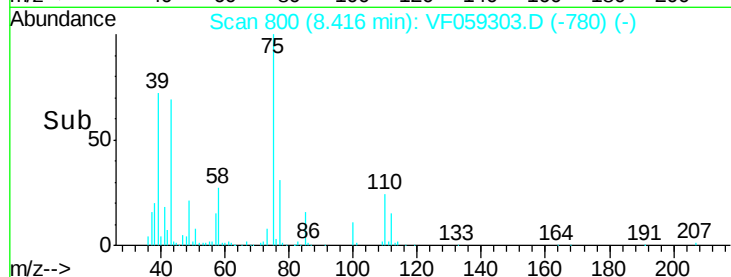
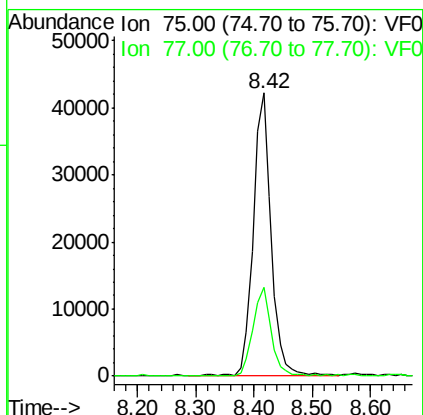
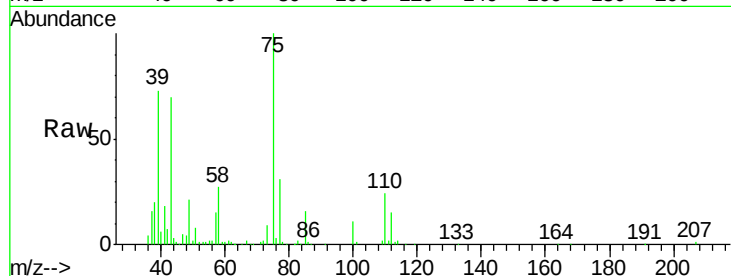
VSTDIC020

Tgt Ion: 75 Resp: 92085

Ion Ratio Lower Upper

75 100

77 31.3 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 17.354 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

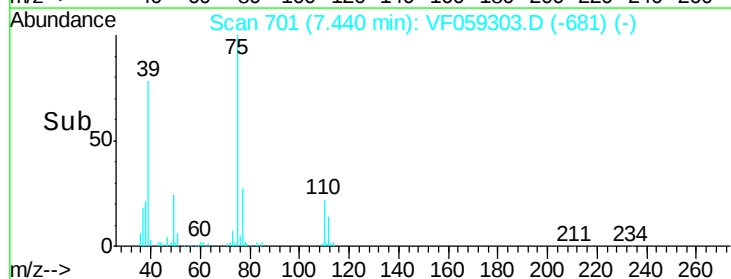
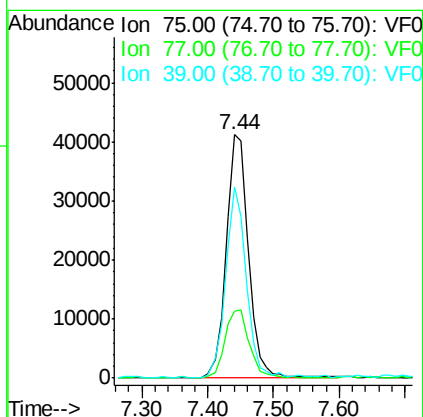
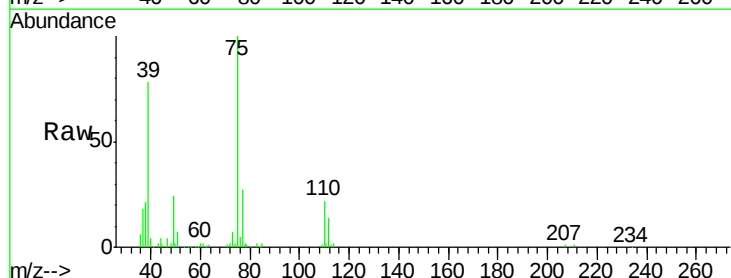
Tgt Ion: 75 Resp: 98260

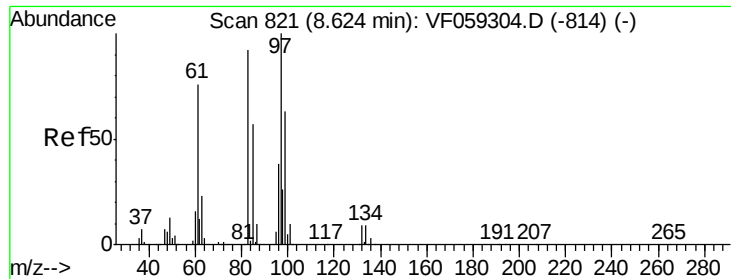
Ion Ratio Lower Upper

75 100

77 27.4 24.3 36.5

39 78.3 57.2 85.8





#55

1,1,2-Trichloroethane

Concen: 16.536 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 47505

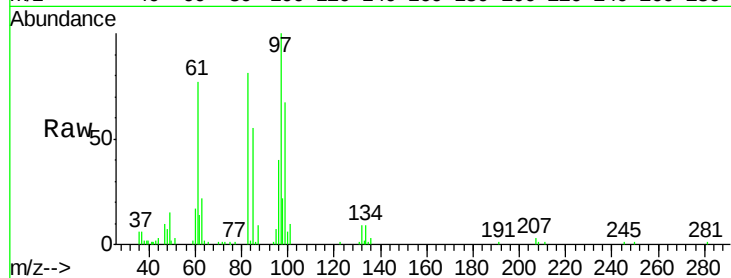
Ion Ratio Lower Upper

97 100

83 80.6 73.8 110.8

85 54.7 45.5 68.3

99 67.2 50.7 76.1

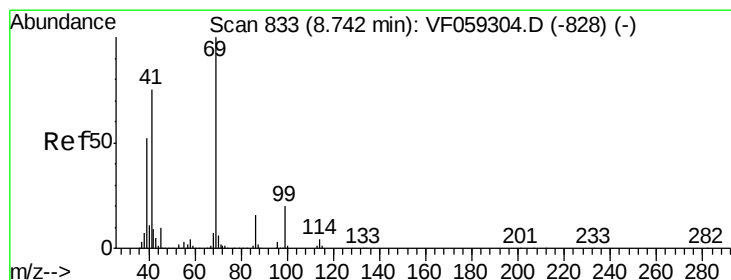
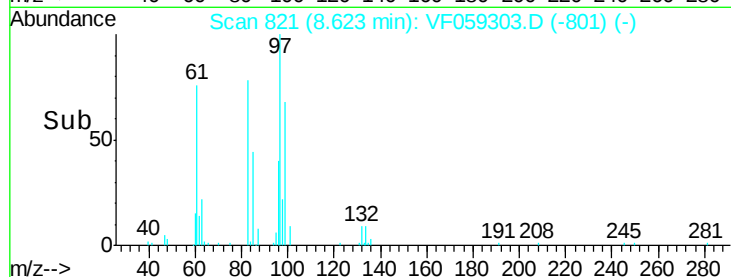
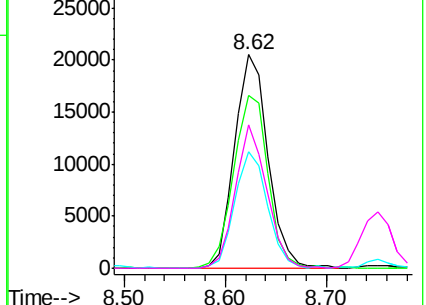


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 16.229 ug/l

RT: 8.75 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

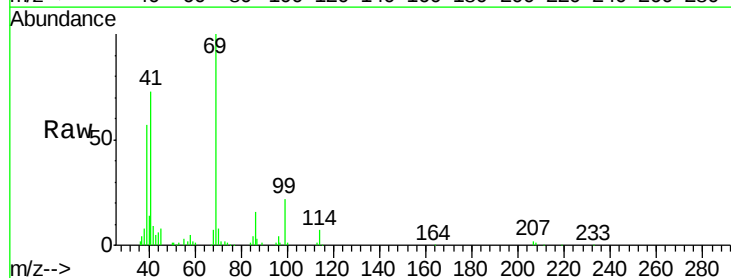
Tgt Ion: 69 Resp: 53574

Ion Ratio Lower Upper

69 100

41 72.7 60.3 90.5

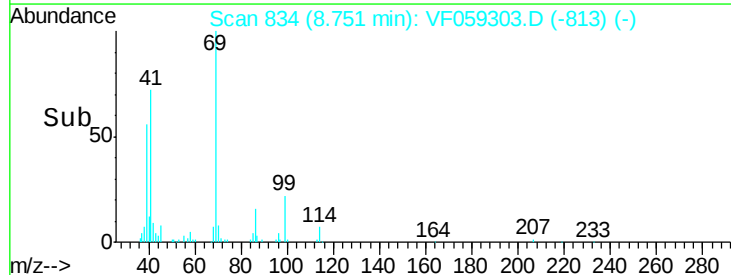
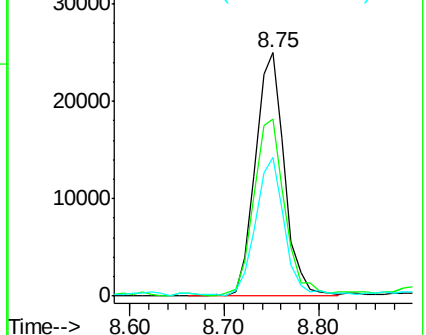
39 57.1 42.2 63.4

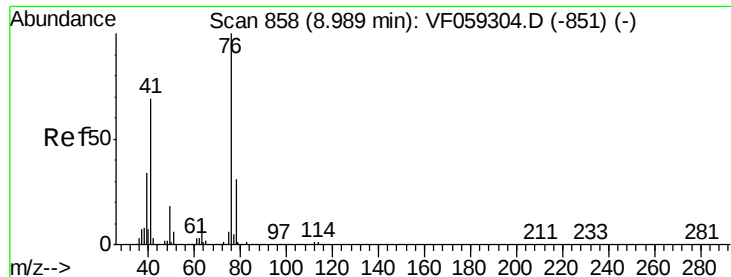


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 16.693 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

Instrument :

MSVOA_F

ClientSampleId :

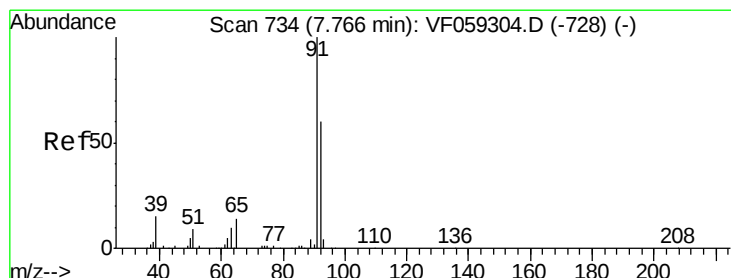
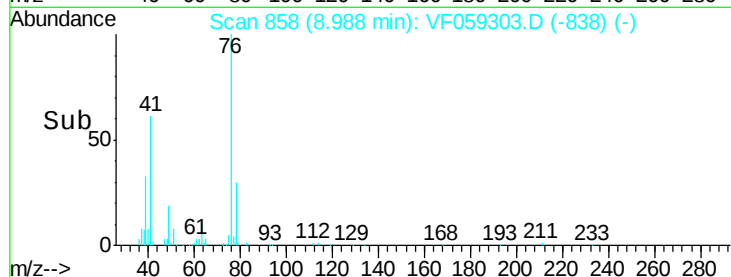
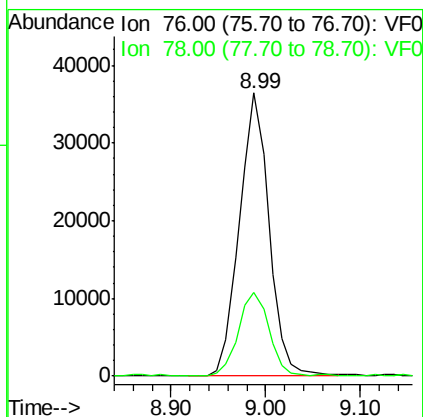
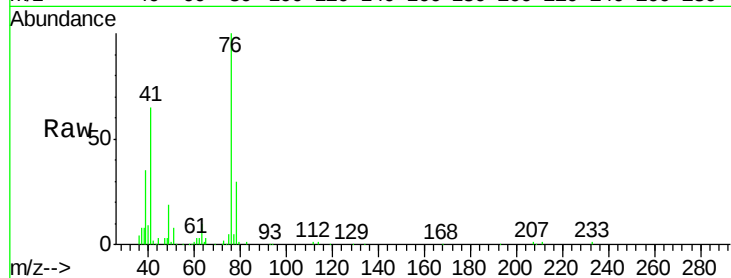
VSTDIC020

Tgt Ion: 76 Resp: 79317

Ion Ratio Lower Upper

76 100

78 29.7 24.9 37.3



#58

2-Chloroethyl Vinyl ether

Concen: 90.395 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059303.D

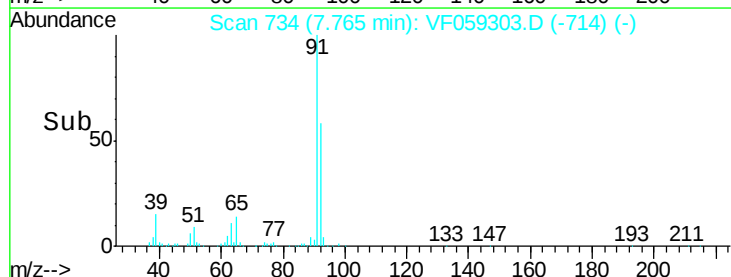
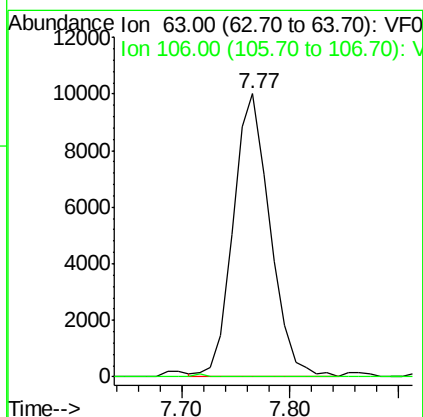
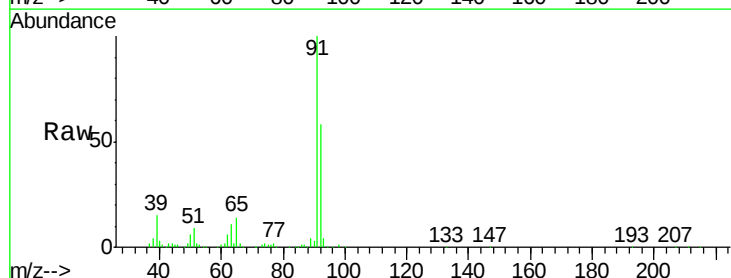
Acq: 25 Jun 2018 15:46

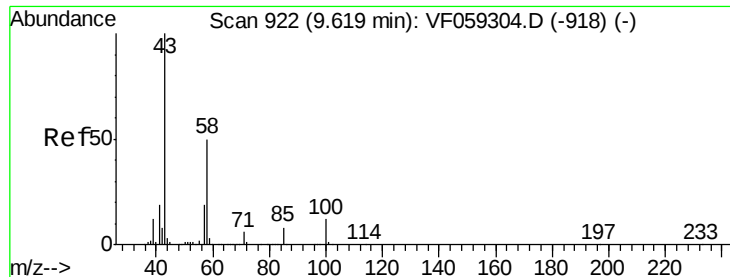
Tgt Ion: 63 Resp: 23716

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

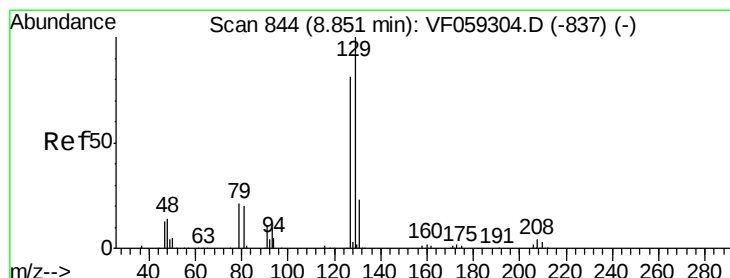
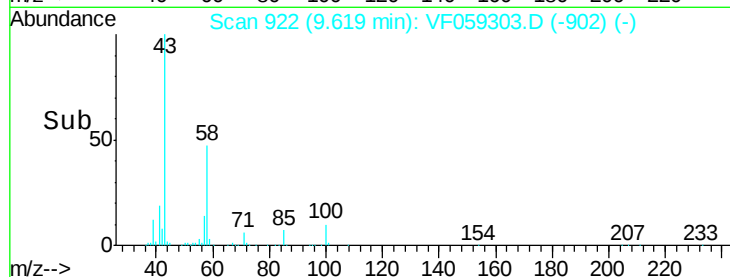
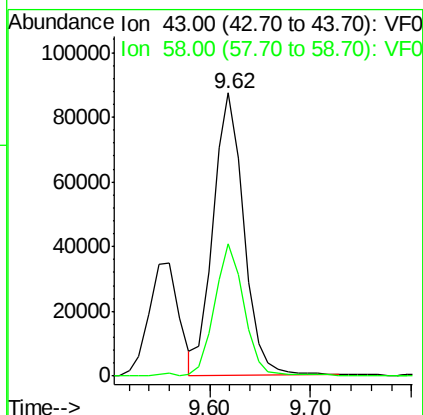
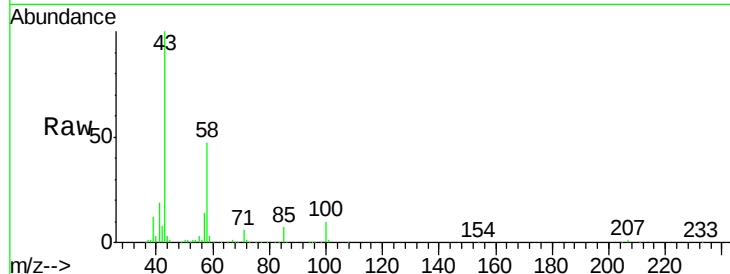




#59
2-Hexanone
Concen: 89.324 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.00 min
Lab File: VF059303.D
Acq: 25 Jun 2018 15:46

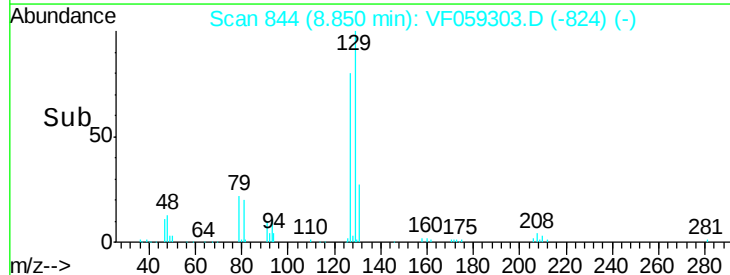
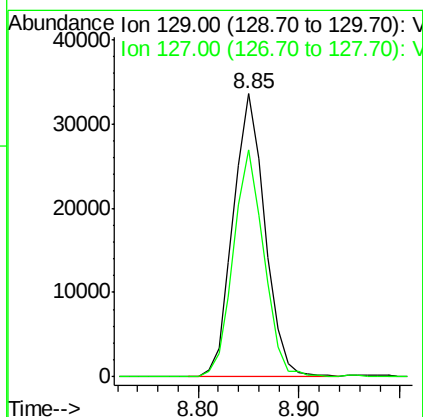
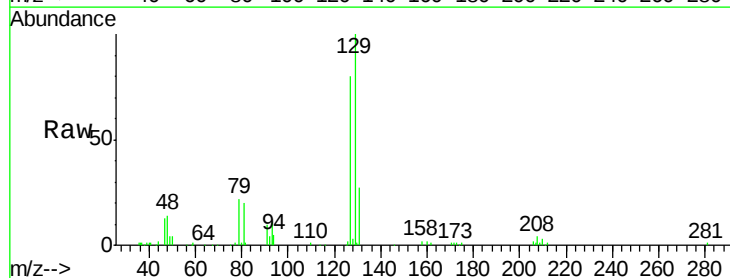
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

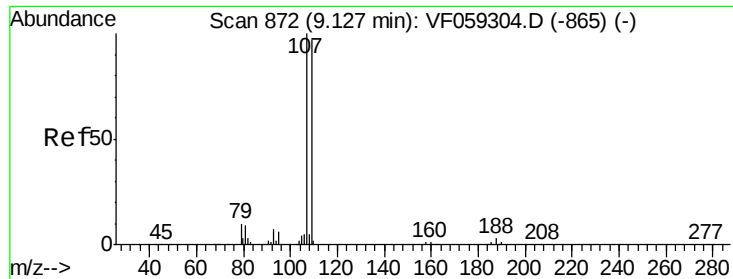
Tgt Ion: 43 Resp: 183404
Ion Ratio Lower Upper
43 100
58 46.6 23.3 69.9



#60
Dibromochloromethane
Concen: 17.377 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.00 min
Lab File: VF059303.D
Acq: 25 Jun 2018 15:46

Tgt Ion: 129 Resp: 73869
Ion Ratio Lower Upper
129 100
127 80.3 40.7 122.1





#61

1,2-Dibromoethane

Concen: 16.356 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

Instrument :

MSVOA_F

ClientSampleId :

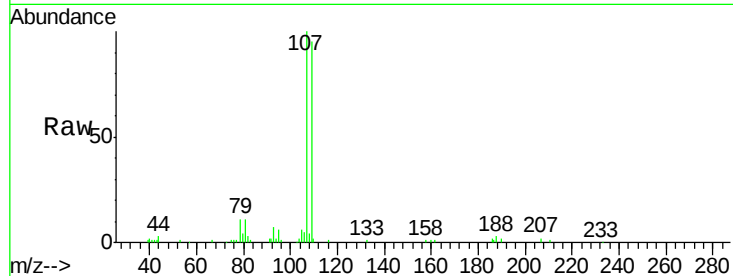
VSTDIC020

Tgt Ion: 107 Resp: 54534

Ion Ratio Lower Upper

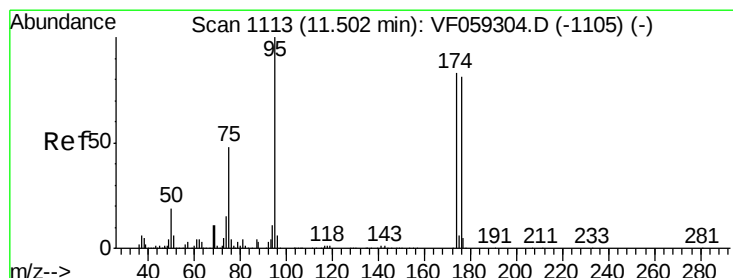
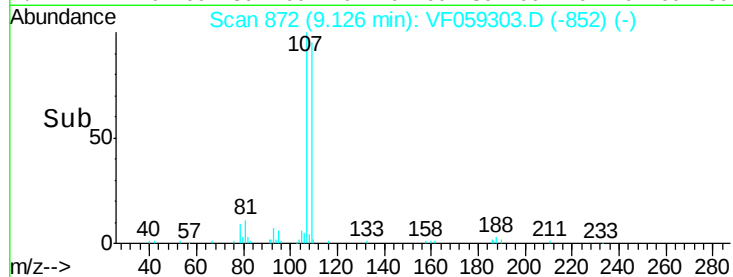
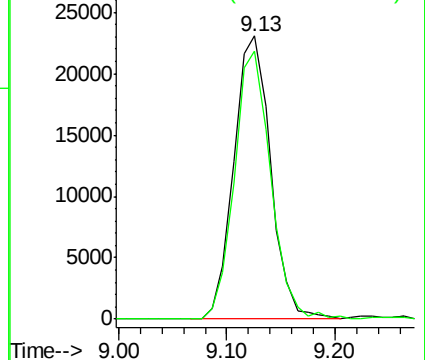
107 100

109 94.7 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: 19.592 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

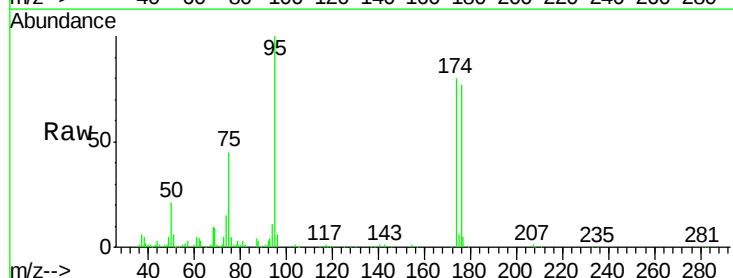
Tgt Ion: 95 Resp: 100241

Ion Ratio Lower Upper

95 100

174 80.0 0.0 165.2

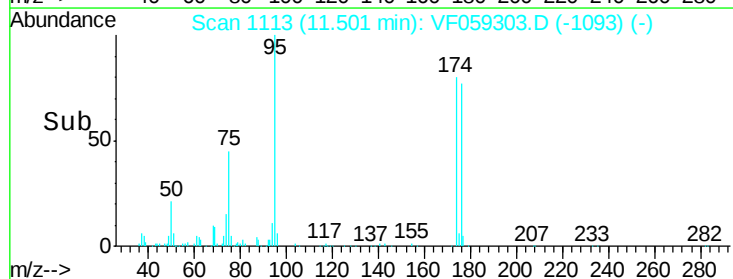
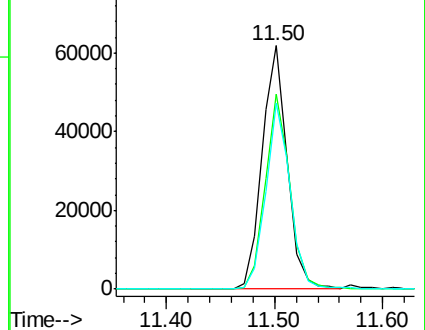
176 76.5 0.0 161.0

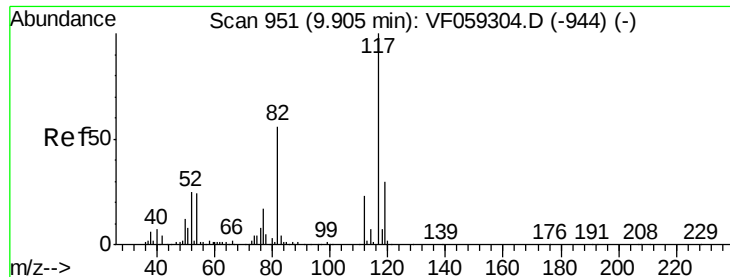


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

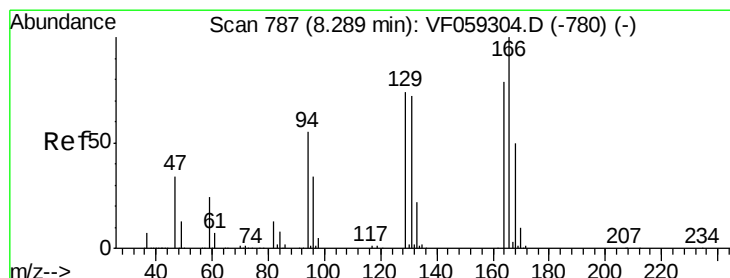
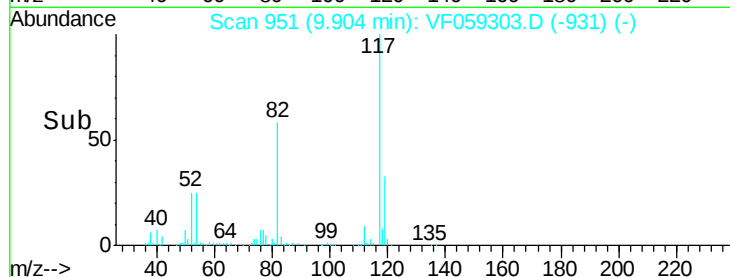
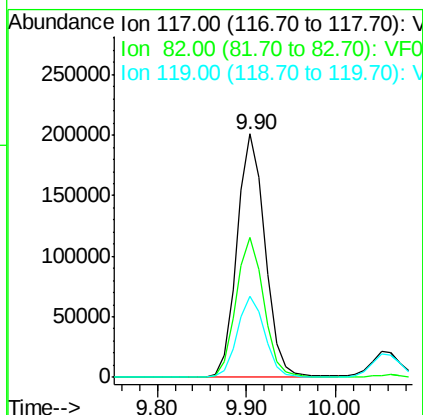
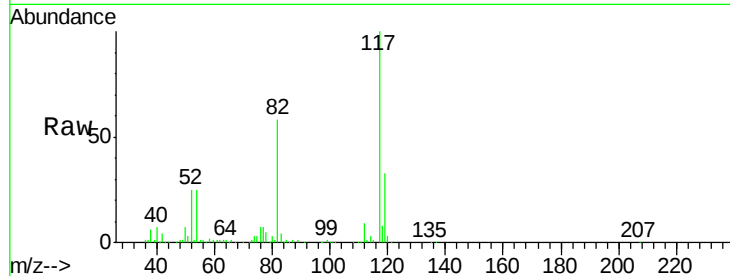




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059303.D
Acq: 25 Jun 2018 15:46

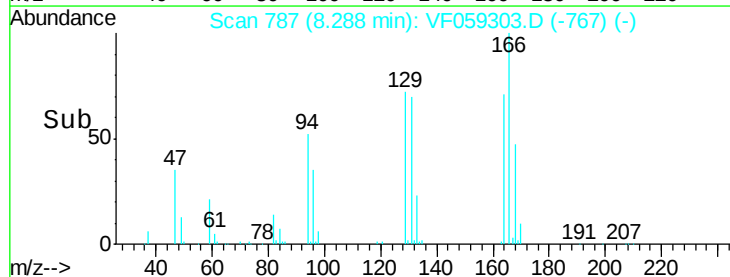
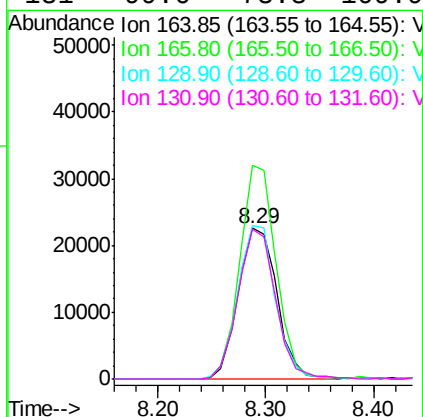
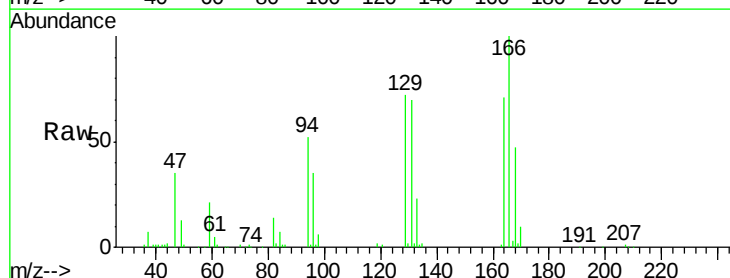
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

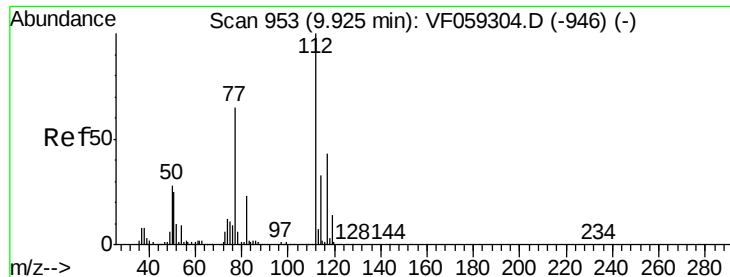
Tgt Ion:117 Resp: 442774
Ion Ratio Lower Upper
117 100
82 57.6 44.6 66.8
119 33.2 24.1 36.1



#64
Tetrachloroethene
Concen: 17.045 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.00 min
Lab File: VF059303.D
Acq: 25 Jun 2018 15:46

Tgt Ion:164 Resp: 56288
Ion Ratio Lower Upper
164 100
166 141.7 101.1 151.7
129 102.3 75.0 112.4
131 99.6 73.3 109.9

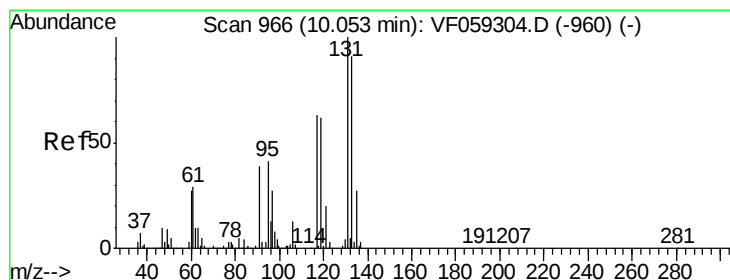
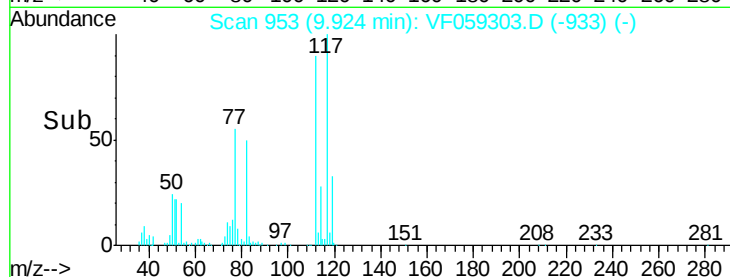
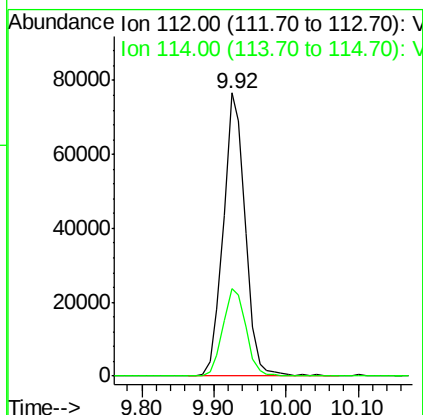
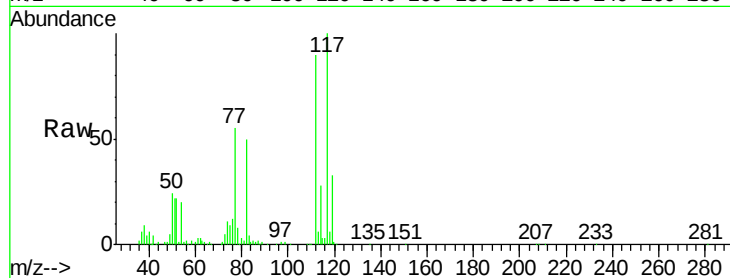




#65
Chlorobenzene
Concen: 17.702 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.00 min
Lab File: VF059303.D
Acq: 25 Jun 2018 15:46

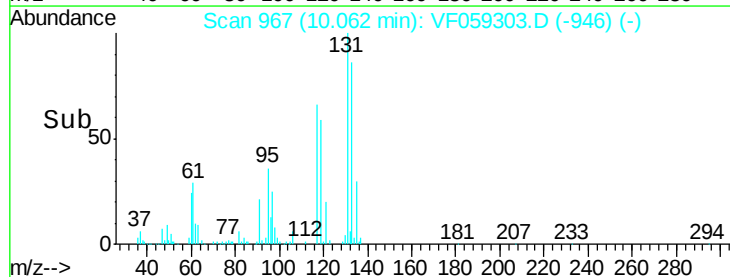
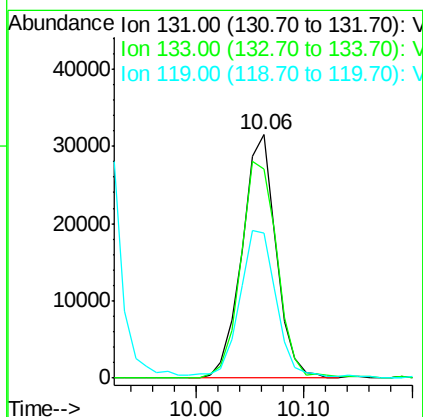
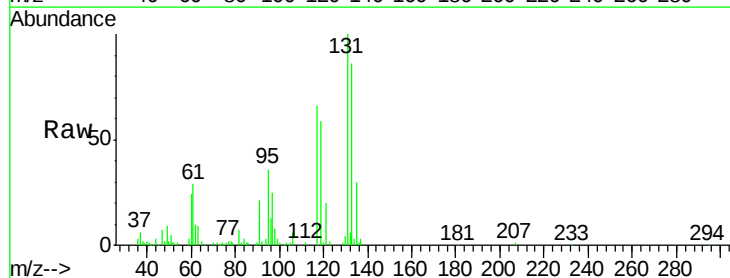
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

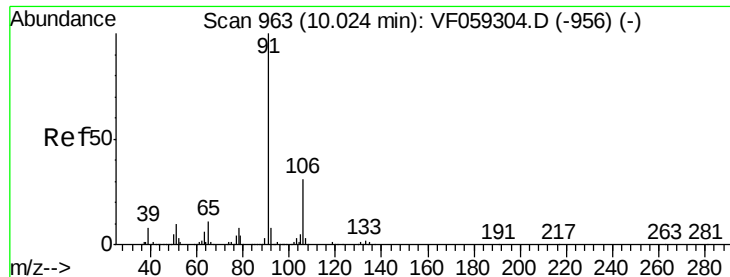
Tgt Ion:112 Resp: 161914
Ion Ratio Lower Upper
112 100
114 30.8 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 17.926 ug/l
RT: 10.06 min Scan# 967
Delta R.T. 0.01 min
Lab File: VF059303.D
Acq: 25 Jun 2018 15:46

Tgt Ion:131 Resp: 69131
Ion Ratio Lower Upper
131 100
133 85.7 45.3 135.9
119 59.4 31.3 93.9





#67

Ethyl Benzene

Concen: 18.397 ug/l

RT: 10.02 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

Instrument :

MSVOA_F

ClientSampleId :

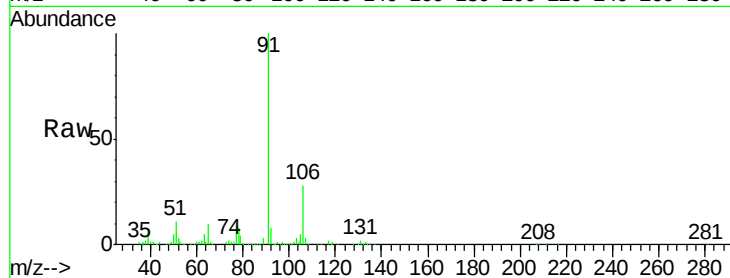
VSTDIC020

Tgt Ion: 91 Resp: 285399

Ion Ratio Lower Upper

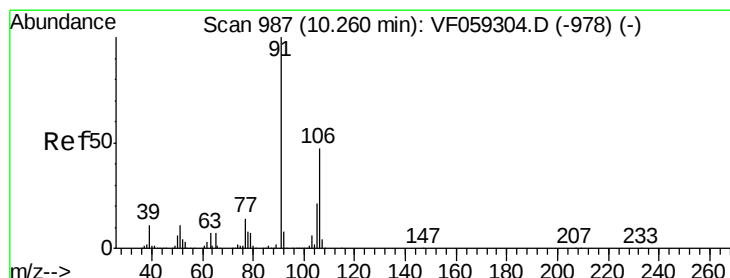
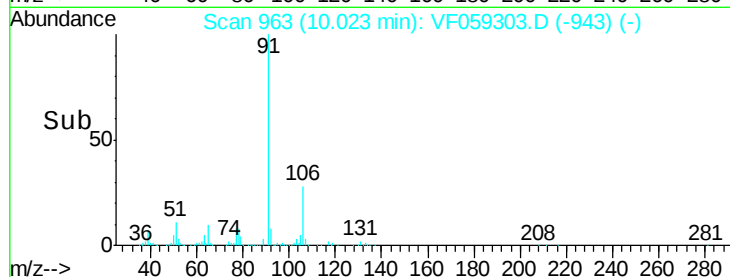
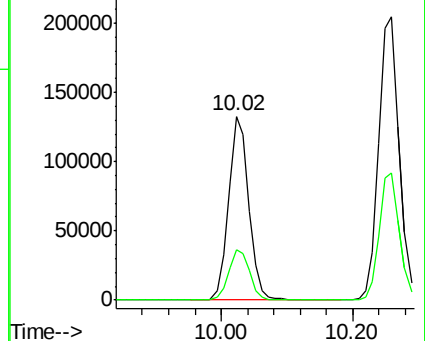
91 100

106 27.7 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 35.560 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.00 min

Lab File: VF059303.D

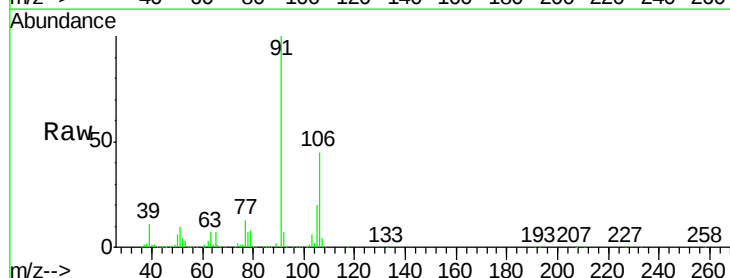
Acq: 25 Jun 2018 15:46

Tgt Ion: 106 Resp: 197050

Ion Ratio Lower Upper

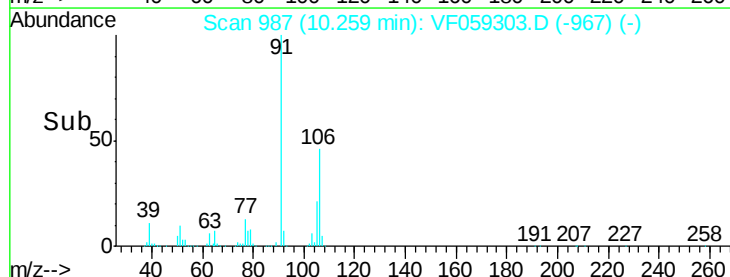
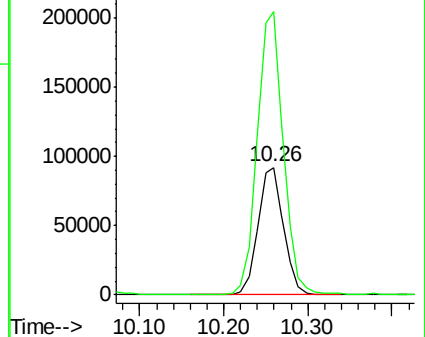
106 100

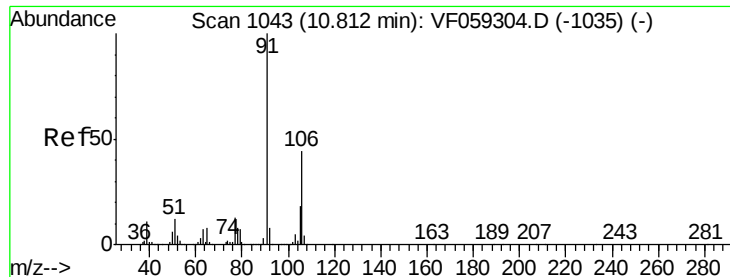
91 221.9 170.8 256.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

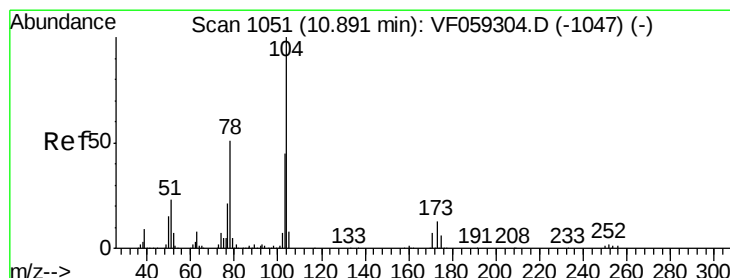
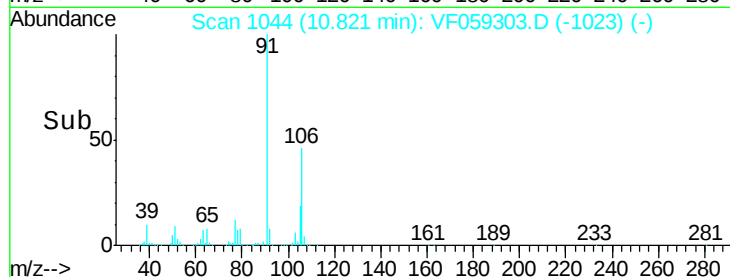
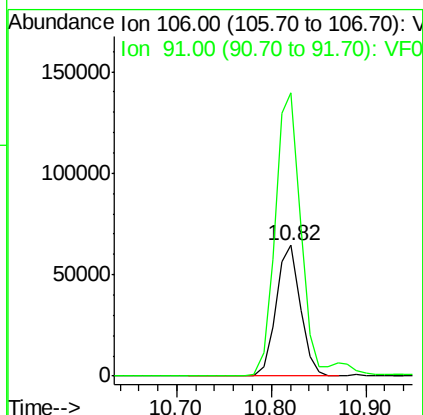
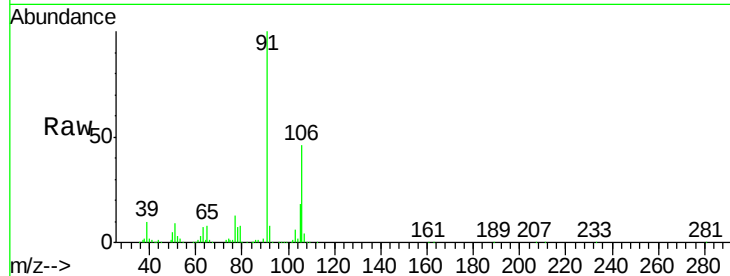




#69
o-Xylene
Concen: 18.885 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF059303.D
Acq: 25 Jun 2018 15:46

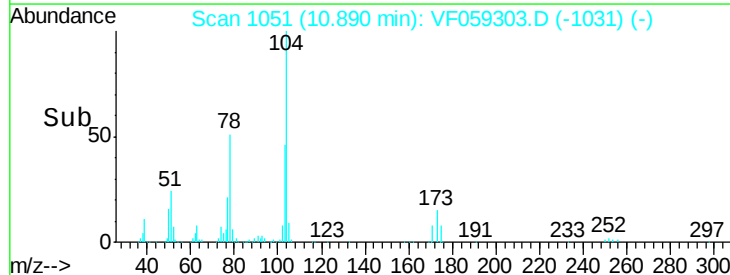
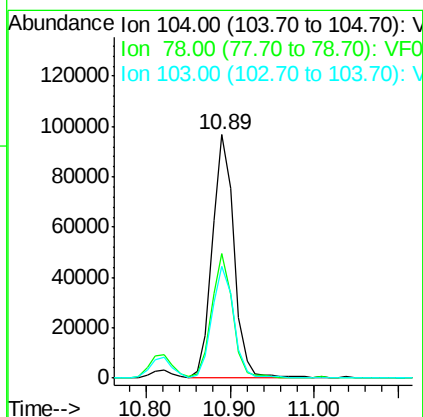
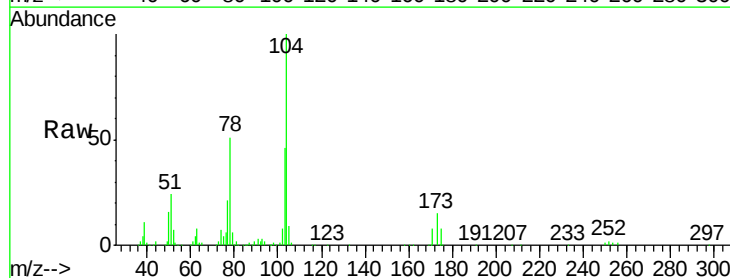
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

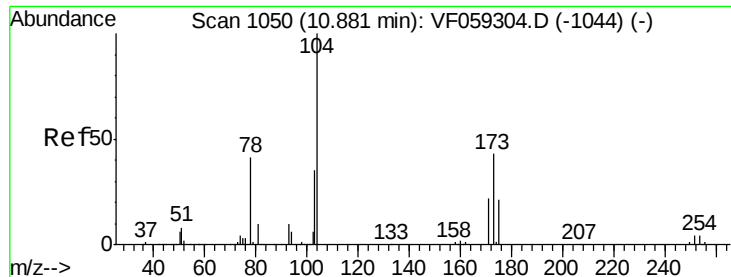
Tgt Ion:106 Resp: 115978
Ion Ratio Lower Upper
106 100
91 216.9 114.6 343.6



#70
Styrene
Concen: 18.330 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF059303.D
Acq: 25 Jun 2018 15:46

Tgt Ion:104 Resp: 170976
Ion Ratio Lower Upper
104 100
78 51.4 40.9 61.3
103 46.0 36.5 54.7





#71

Bromoform

Concen: 16.702 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

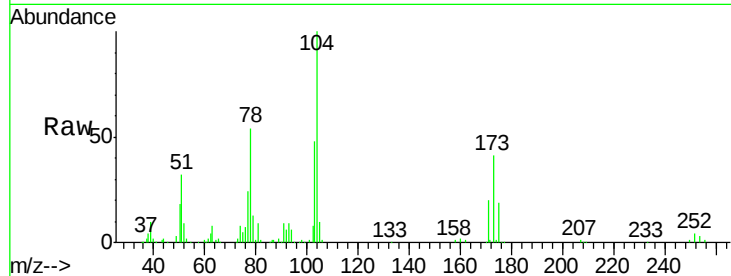
Tgt Ion:173 Resp: 45727

Ion Ratio Lower Upper

173 100

175 45.9 24.8 74.3

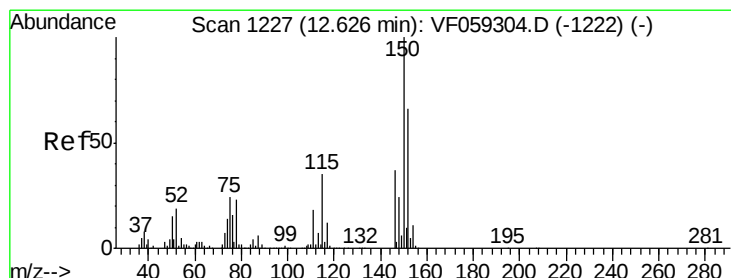
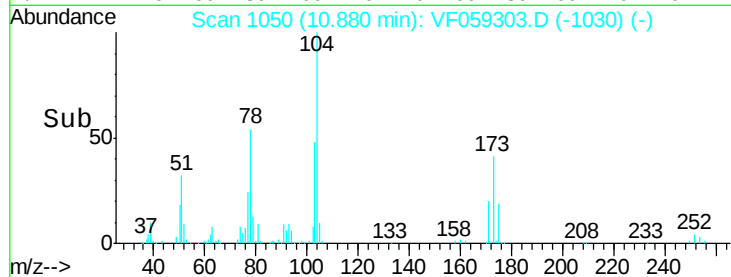
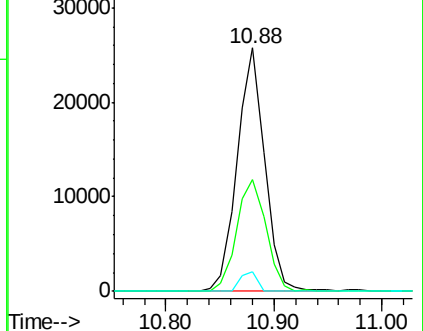
254 8.2 0.0 0.0#



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: VF059303.D

Acq: 25 Jun 2018 15:46

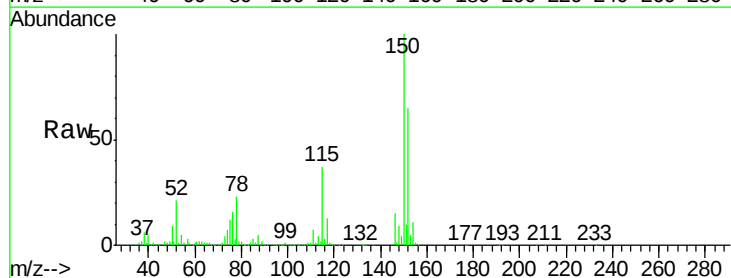
Tgt Ion:152 Resp: 272200

Ion Ratio Lower Upper

152 100

115 56.8 27.1 81.3

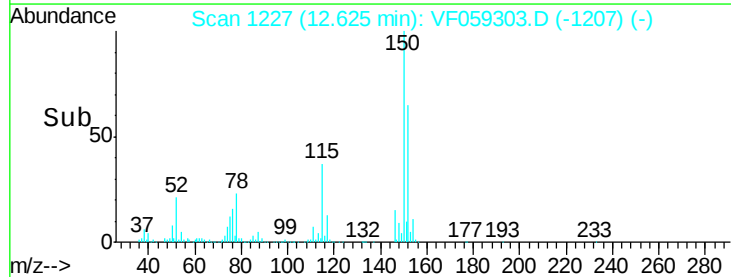
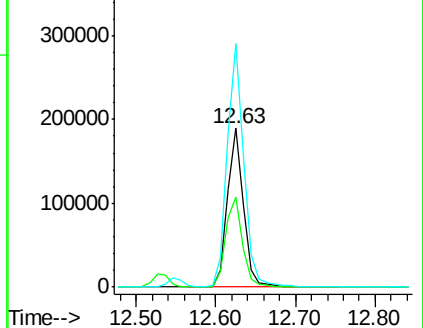
150 153.2 0.0 305.2

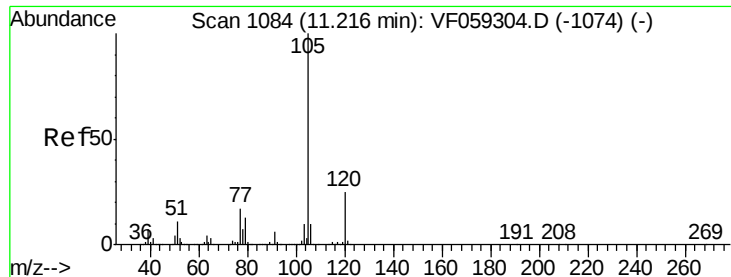


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 17.906 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

Instrument :

MSVOA_F

ClientSampleId :

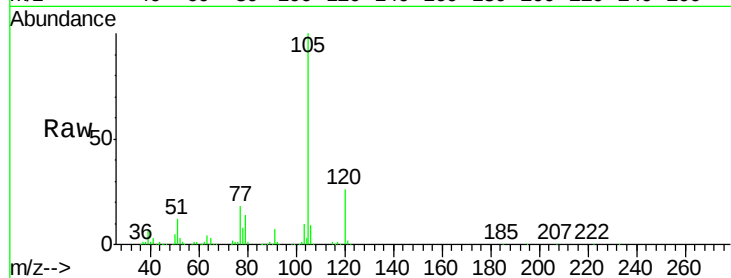
VSTDIC020

Tgt Ion:105 Resp: 325117

Ion Ratio Lower Upper

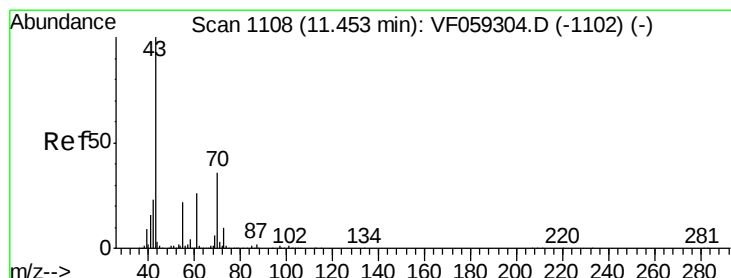
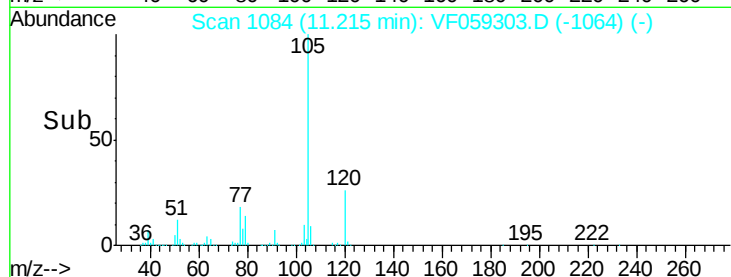
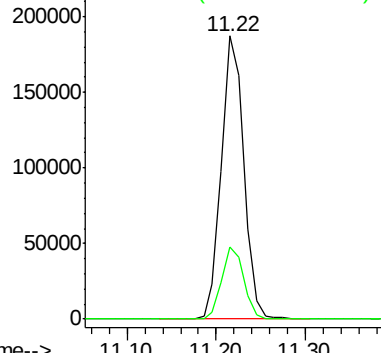
105 100

120 25.6 12.3 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.741 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

Tgt Ion: 43 Resp: 107422

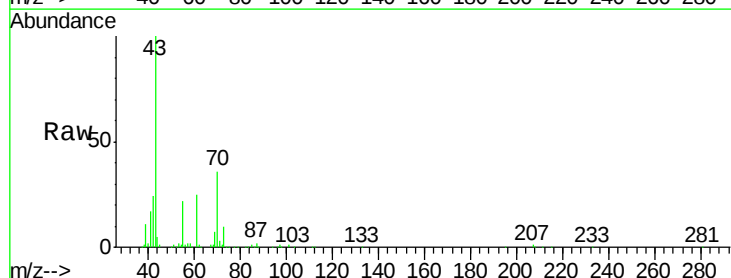
Ion Ratio Lower Upper

43 100

70 36.3 28.8 43.2

55 22.2 17.4 26.0

61 24.7 21.1 31.7

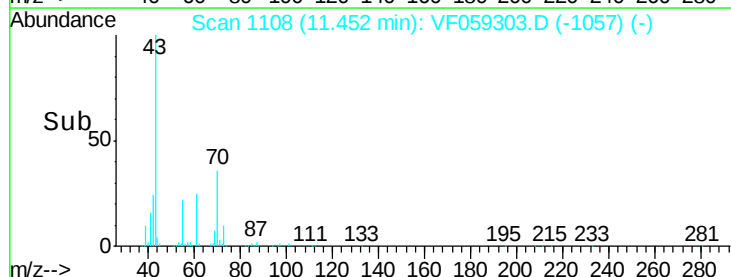
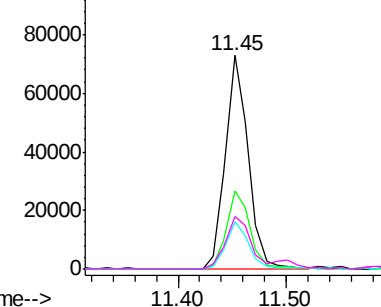


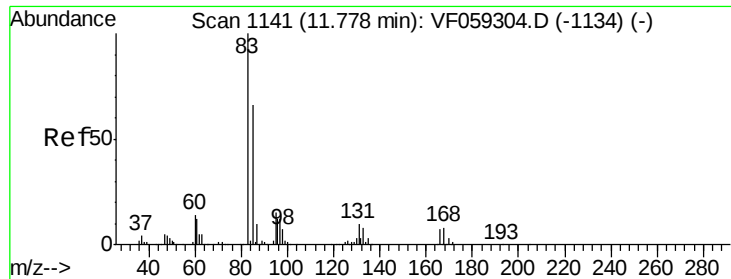
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 17.304 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

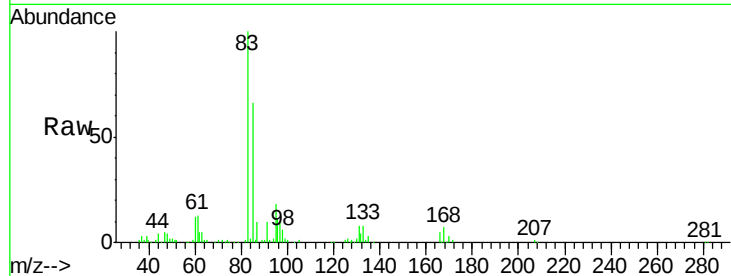
Tgt Ion: 83 Resp: 75221

Ion Ratio Lower Upper

83 100

131 8.3 4.9 14.6

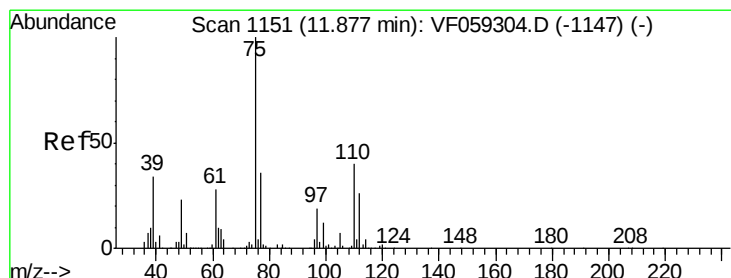
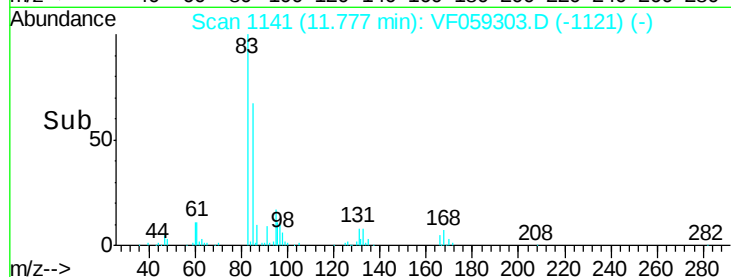
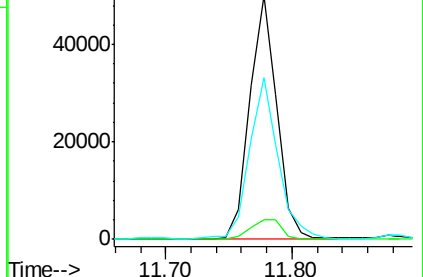
85 66.5 32.8 98.4



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: 18.010 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF059303.D

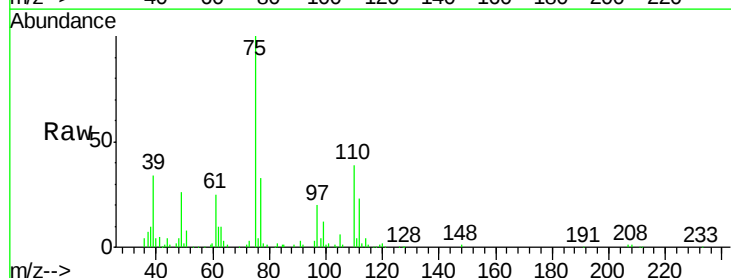
Acq: 25 Jun 2018 15:46

Tgt Ion: 75 Resp: 57232

Ion Ratio Lower Upper

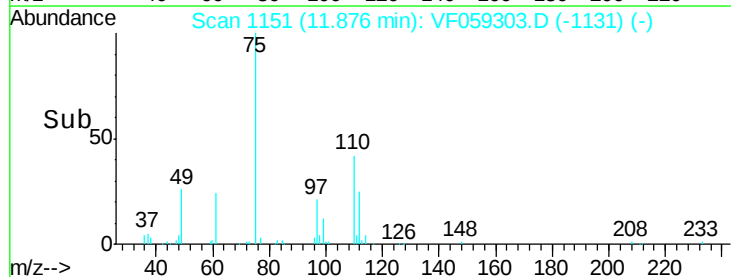
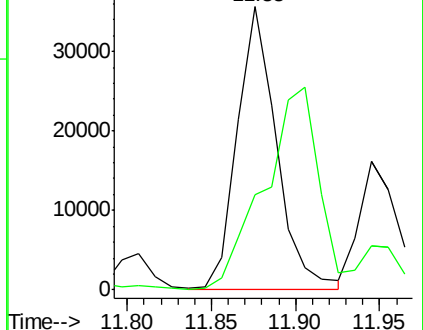
75 100

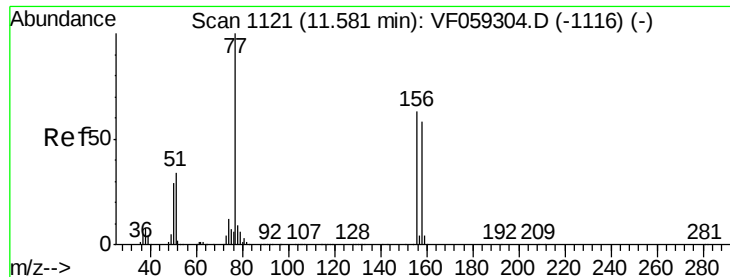
77 33.4 18.0 54.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 17.828 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

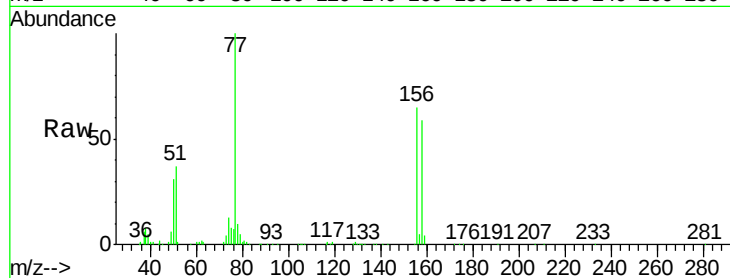
Tgt Ion:156 Resp: 87693

Ion Ratio Lower Upper

156 100

77 154.3 79.7 238.9

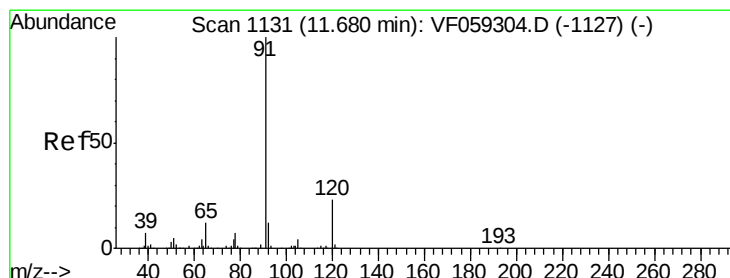
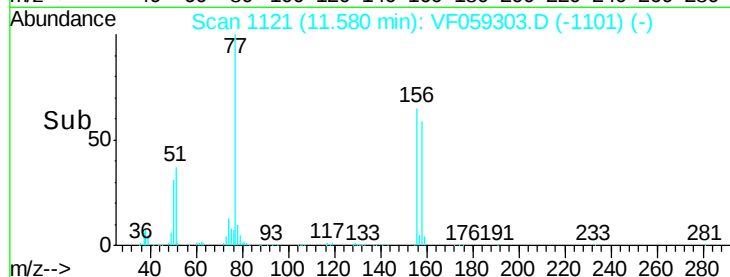
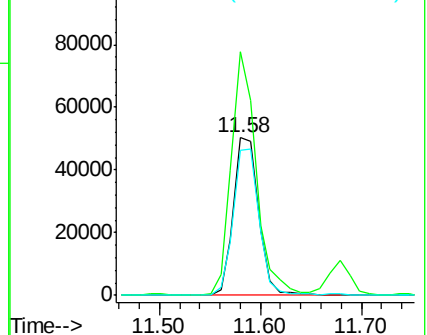
158 91.6 46.2 138.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 18.608 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF059303.D

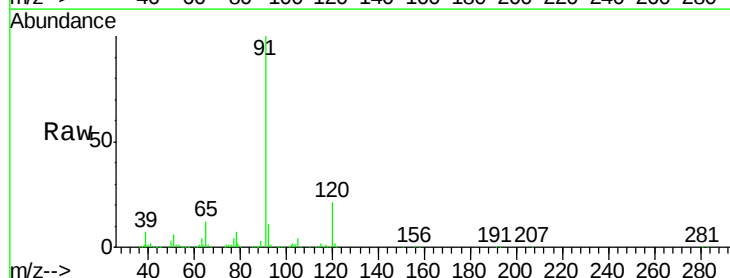
Acq: 25 Jun 2018 15:46

Tgt Ion: 91 Resp: 397763

Ion Ratio Lower Upper

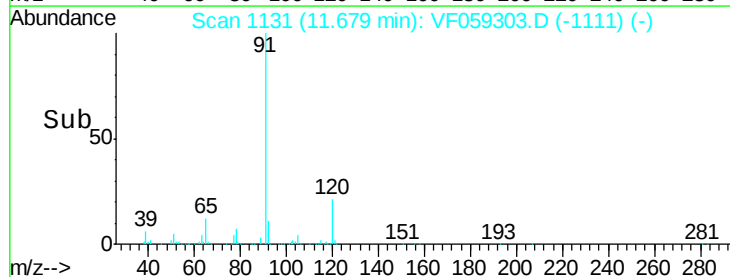
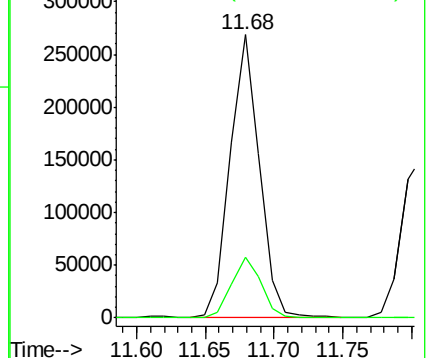
91 100

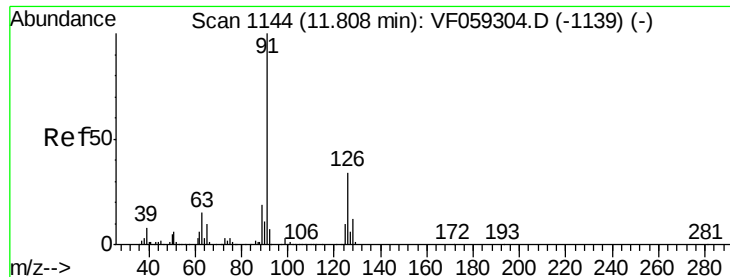
120 21.4 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.650 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

Instrument :

MSVOA_F

ClientSampleId :

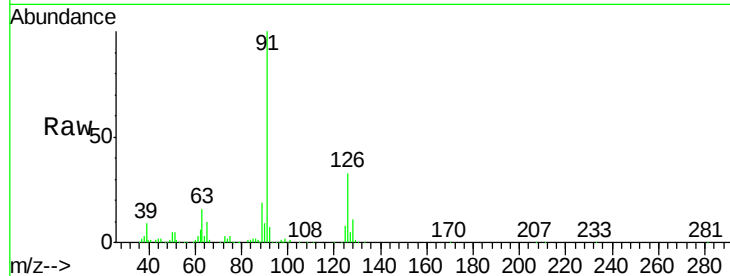
VSTDIC020

Tgt Ion: 91 Resp: 239930

Ion Ratio Lower Upper

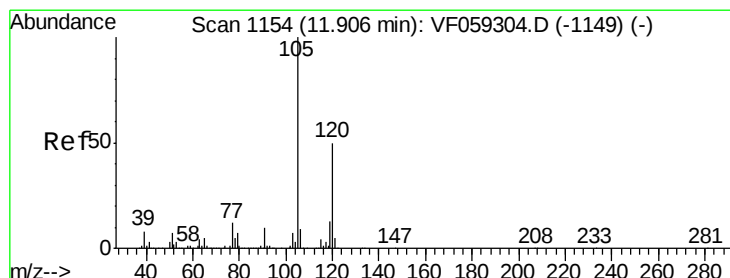
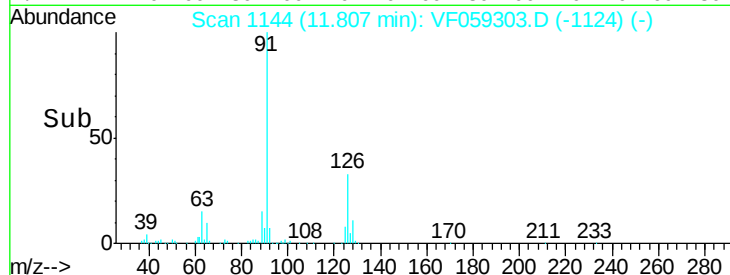
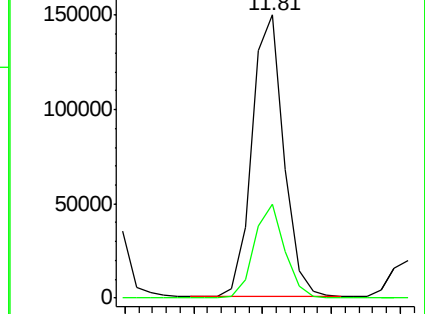
91 100

126 33.4 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 18.831 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VF059303.D

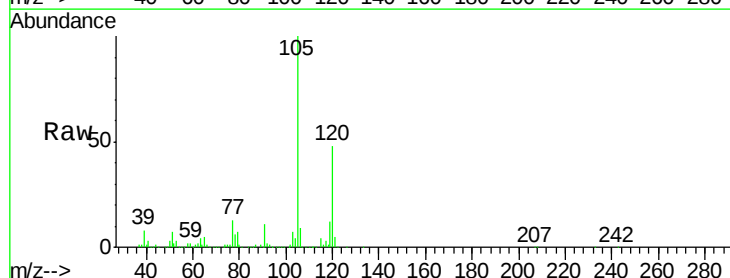
Acq: 25 Jun 2018 15:46

Tgt Ion: 105 Resp: 288701

Ion Ratio Lower Upper

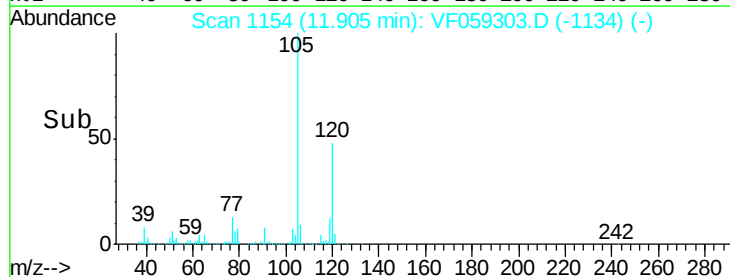
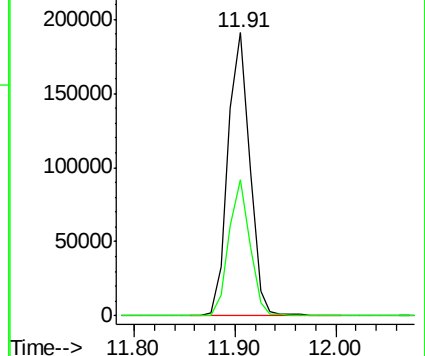
105 100

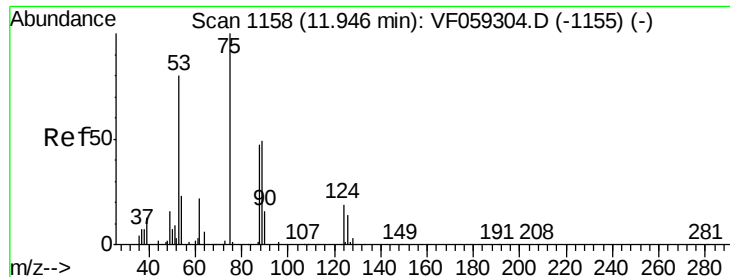
120 48.3 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 16.264 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF059303.D

Acq: 25 Jun 2018 15:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

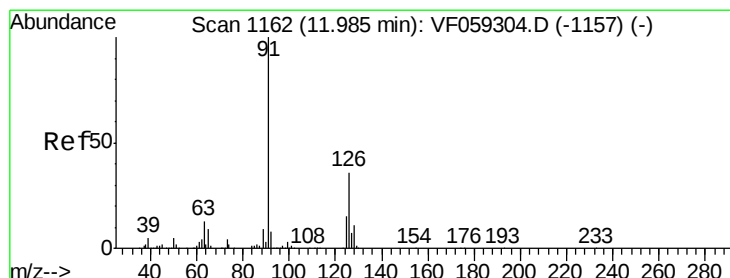
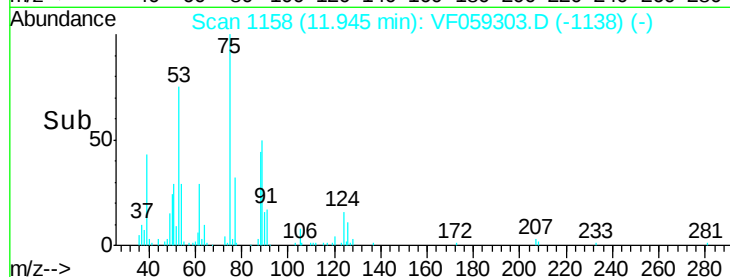
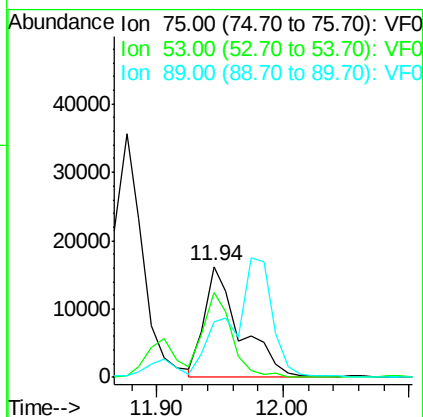
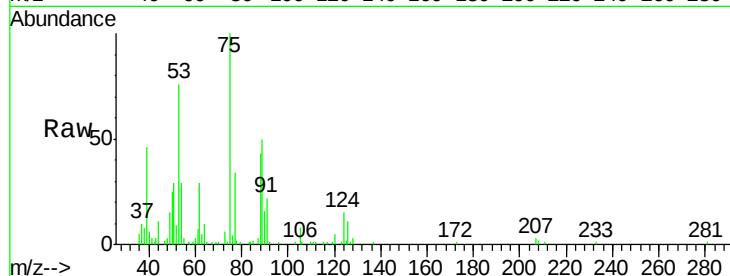
Tgt Ion: 75 Resp: 32663

Ion Ratio Lower Upper

75 100

53 76.4 68.8 103.2

89 50.1 42.0 63.0



#82

4-Chlorotoluene

Concen: 18.317 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VF059303.D

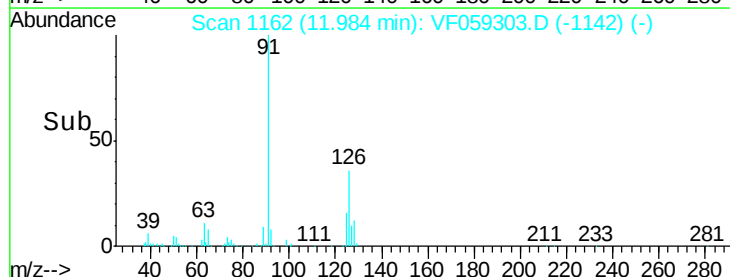
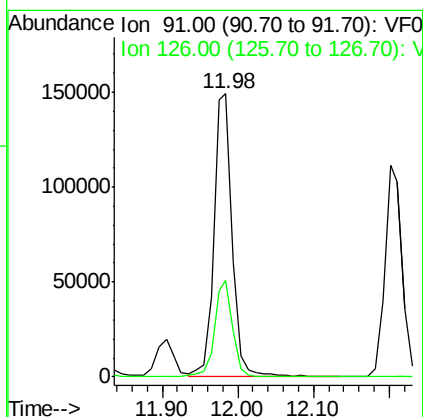
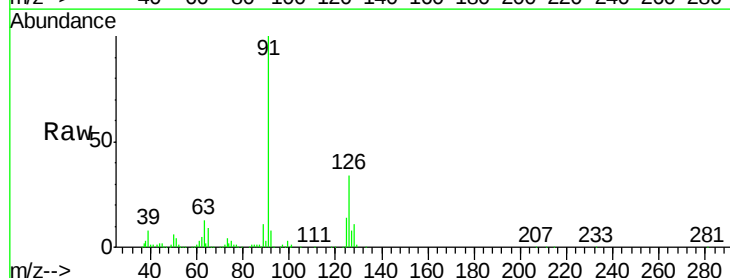
Acq: 25 Jun 2018 15:46

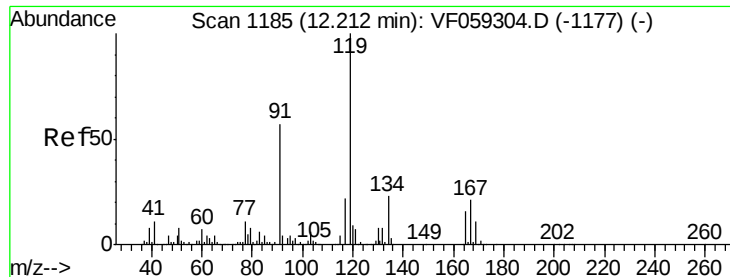
Tgt Ion: 91 Resp: 254620

Ion Ratio Lower Upper

91 100

126 33.9 18.2 54.6

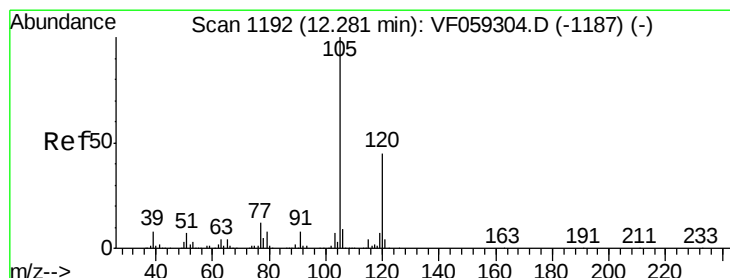
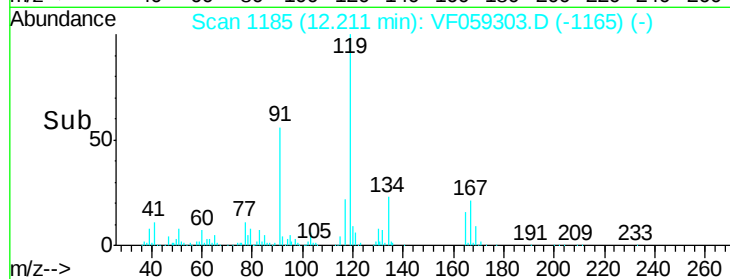
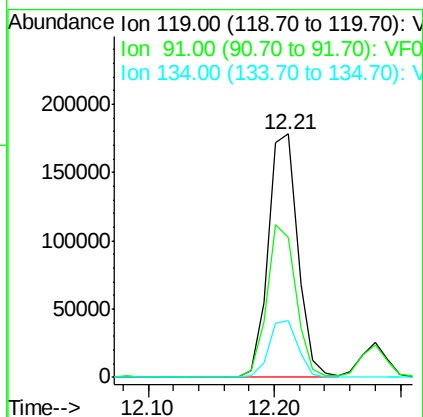
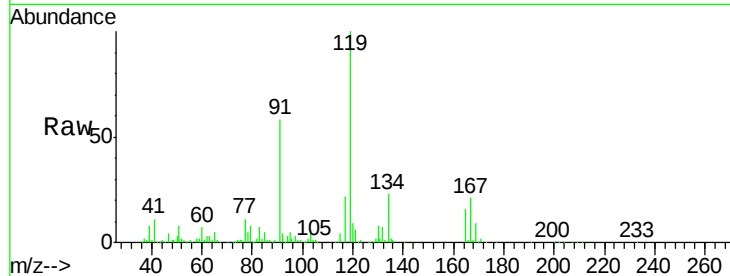




#83
 tert-Butylbenzene
 Concen: 18.920 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: VF059303.D
 Acq: 25 Jun 2018 15:46

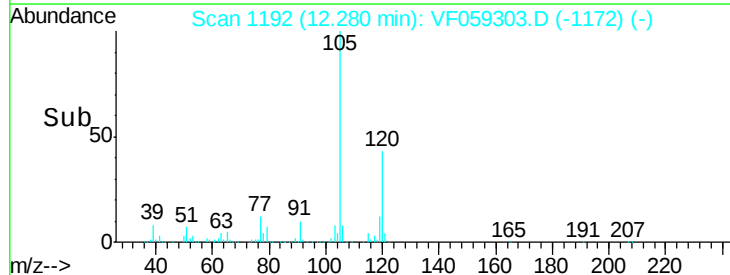
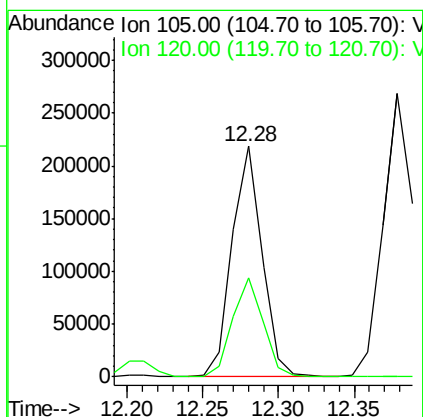
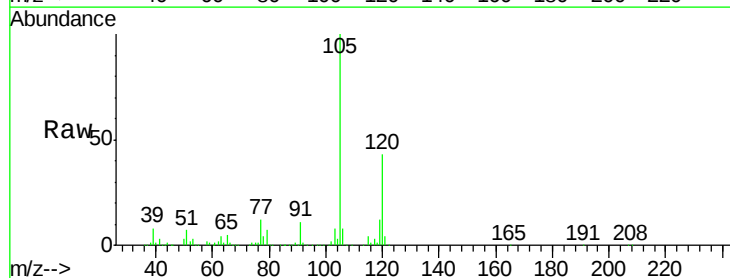
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

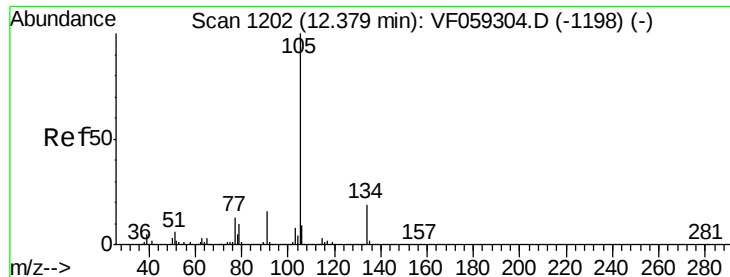
Tgt Ion:119 Resp: 292926
 Ion Ratio Lower Upper
 119 100
 91 57.7 28.4 85.2
 134 23.3 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 18.596 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: VF059303.D
 Acq: 25 Jun 2018 15:46

Tgt Ion:105 Resp: 301649
 Ion Ratio Lower Upper
 105 100
 120 43.2 22.8 68.4

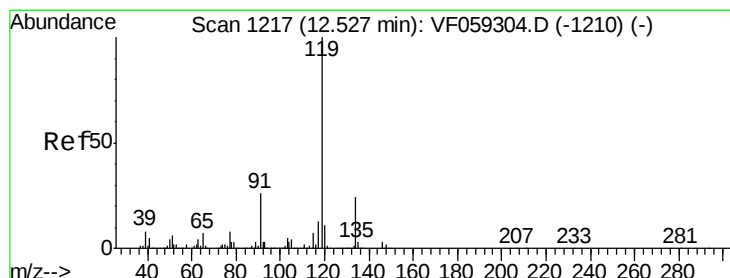
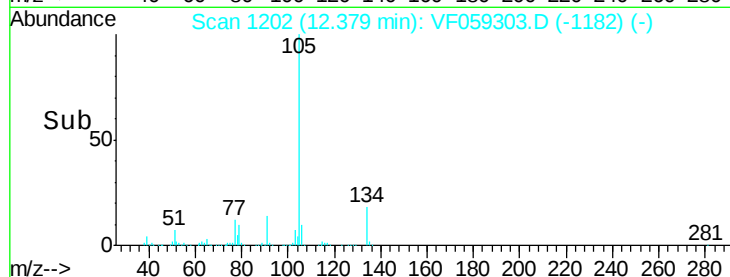
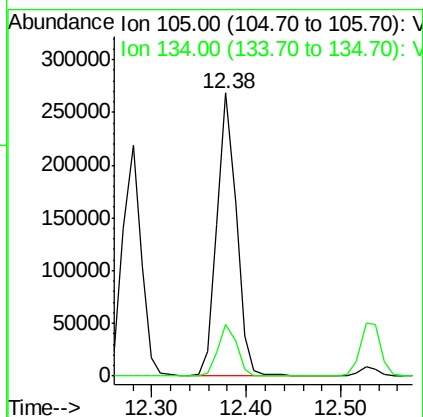
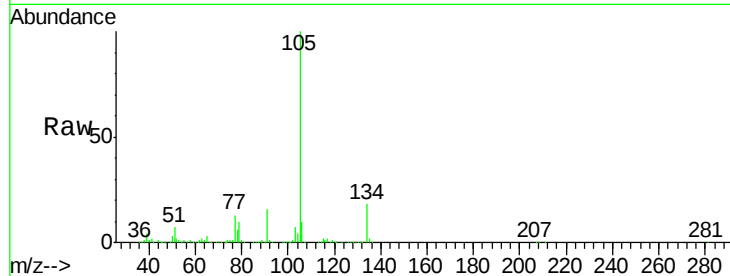




#85
 sec-Butylbenzene
 Concen: 18.447 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VF059303.D
 Acq: 25 Jun 2018 15:46

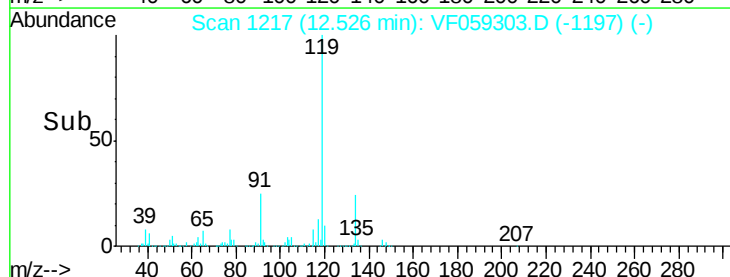
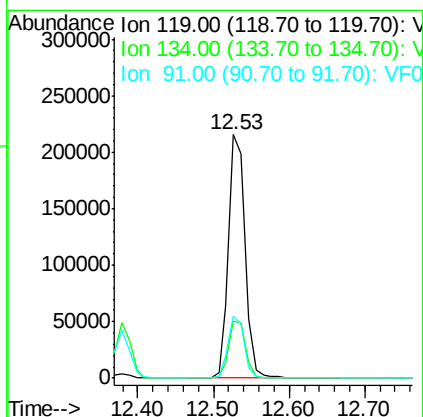
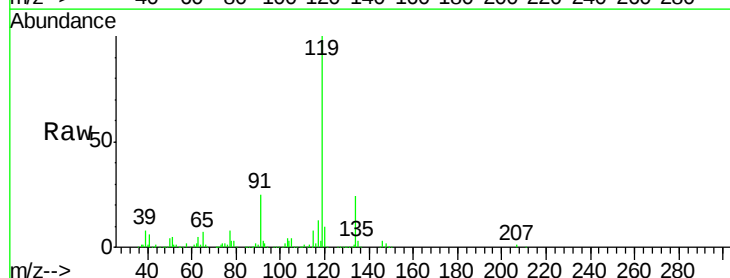
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

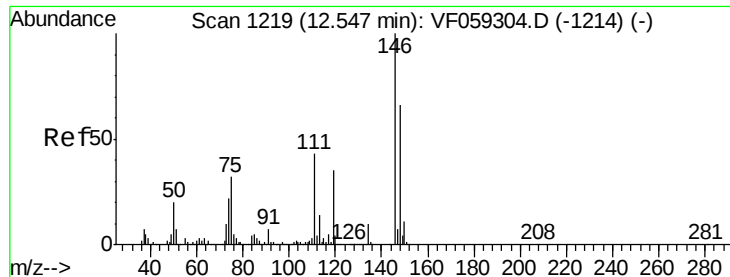
Tgt Ion:105 Resp: 383630
 Ion Ratio Lower Upper
 105 100
 134 18.2 9.4 28.3



#86
 p-Isopropyltoluene
 Concen: 19.070 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VF059303.D
 Acq: 25 Jun 2018 15:46

Tgt Ion:119 Resp: 325303
 Ion Ratio Lower Upper
 119 100
 134 23.5 12.2 36.4
 91 25.3 12.9 38.6

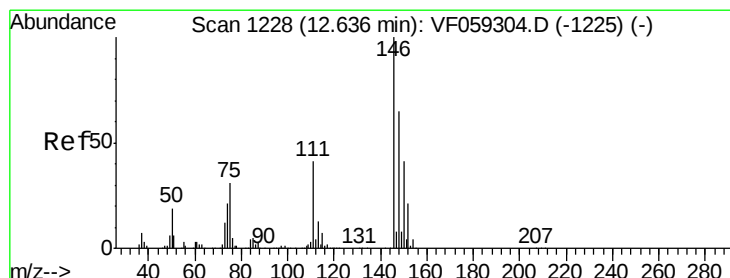
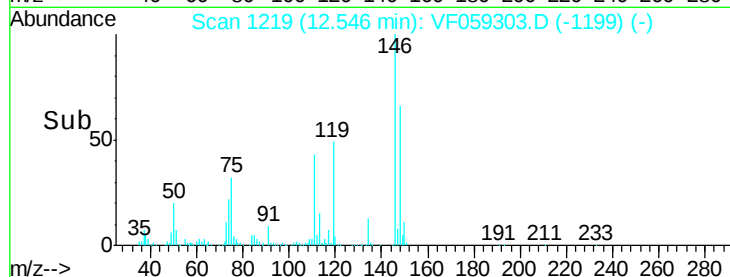
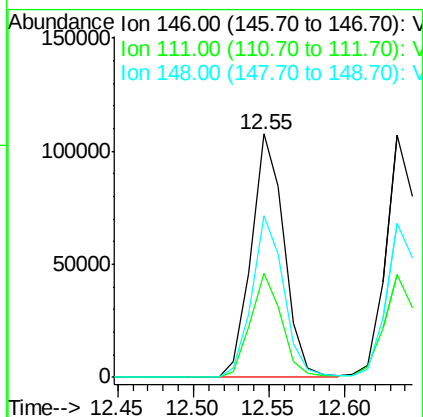
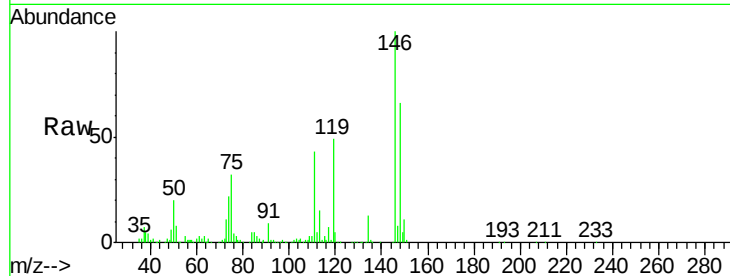




#87
 1,3-Dichlorobenzene
 Concen: 18.491 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059303.D
 Acq: 25 Jun 2018 15:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.4	64.2
148	66.2	32.8	98.4



#88
 1,4-Dichlorobenzene
 Concen: 18.144 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059303.D
 Acq: 25 Jun 2018 15:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.7	62.1
148	63.7	32.8	98.3

