

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062118\
 Data File : VF059273.D
 Acq On : 21 Jun 2018 21:23
 Operator : VA/AP
 Sample : VF0621SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 22 07:06:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 22 05:22:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	244115	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	365731	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	384371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	238907	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	170596	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
35) Dibromofluoromethane	4.28	113	156461	50.85	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.70%	
50) Toluene-d8	7.70	98	370077	47.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.56%	
62) 4-Bromofluorobenzene	11.51	95	217576	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	57617	20.27	ug/l	100
3) Chloromethane	1.08	50	37169	20.76	ug/l	91
4) Vinyl Chloride	1.14	62	37179	20.94	ug/l	97
5) Bromomethane	1.33	94	23016	18.17	ug/l	99
6) Chloroethane	1.42	64	19257	22.24	ug/l	98
7) Trichlorofluoromethane	1.48	101	21757	6.26	ug/l	91
8) Diethyl Ether	1.70	74	16535	21.13	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.89	101	41516	21.40	ug/l	88
10) Methyl Iodide	1.95	142	74113	20.90	ug/l	87
11) Tert butyl alcohol	2.67	59	20557	100.68	ug/l	99
12) 1,1-Dichloroethene	1.85	96	35570	20.56	ug/l	97
13) Acrolein	2.08	56	19052	115.17	ug/l	96
14) Allyl chloride	2.18	41	62317	19.51	ug/l	98
15) Acrylonitrile	3.07	53	40298	117.00	ug/l	89
16) Acetone	2.33	43	71622	86.48	ug/l	99
17) Carbon Disulfide	1.86	76	82009	19.51	ug/l	95
18) Methyl Acetate	2.45	43	28552	18.29	ug/l	96
19) Methyl tert-butyl Ether	2.54	73	119314	20.56	ug/l	95
20) Methylene Chloride	2.31	84	18634	9.57	ug/l	97
21) trans-1,2-Dichloroethene	2.41	96	36078	19.98	ug/l	96
22) Diisopropyl ether	2.92	45	143352	21.64	ug/l #	98
23) Vinyl Acetate	3.32	43	462359	109.10	ug/l	98
24) 1,1-Dichloroethane	2.99	63	89318	20.79	ug/l	100
25) 2-Butanone	4.50	43	107594	97.39	ug/l	92
26) 2,2-Dichloropropane	3.75	77	58894	19.67	ug/l	97
27) cis-1,2-Dichloroethene	3.62	96	59443	21.66	ug/l	100
28) Bromochloromethane	3.88	49	42182	23.81	ug/l	97
29) Tetrahydrofuran	4.25	42	52781	106.41	ug/l	97
30) Chloroform	4.02	83	126878	20.40	ug/l	89
31) Cyclohexane	3.85	56	60846	20.58	ug/l #	94
32) 1,1,1-Trichloroethane	4.26	97	98411	20.96	ug/l	93
36) 1,1-Dichloropropene	4.45	75	81386	21.18	ug/l	94
37) Ethyl Acetate	4.29	43	53784	21.90	ug/l #	62
38) Carbon Tetrachloride	4.15	117	98642	20.89	ug/l	94

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	74723	21.73	ug/l	92
40) Benzene	4.80	78	170355	20.89	ug/l	98
41) Methacrylonitrile	4.91	41	25766	21.96	ug/l #	86
42) 1,2-Dichloroethane	5.11	62	95213	20.27	ug/l	98
43) Isopropyl Acetate	7.11	43	62984	20.93	ug/l #	97
44) Trichloroethene	5.67	130	60848	21.53	ug/l	92
45) 1,2-Dichloropropane	6.40	63	53979	22.69	ug/l	91
46) Dibromomethane	6.24	93	43476	21.65	ug/l	95
47) Bromodichloromethane	6.54	83	101764	21.17	ug/l	99
48) Methyl methacrylate	6.86	41	36805	19.32	ug/l	91
49) 1,4-Dioxane	6.86	88	4144	375.06	ug/l #	55
51) 4-Methyl-2-Pentanone	8.40	43	239961	111.81	ug/l	97
52) Toluene	7.77	92	127953	20.33	ug/l	93
53) t-1,3-Dichloropropene	8.42	75	91482	20.27	ug/l	95
54) cis-1,3-Dichloropropene	7.44	75	101814	21.36	ug/l	96
55) 1,1,2-Trichloroethane	8.63	97	49812	20.50	ug/l	93
56) Ethyl methacrylate	8.76	69	59063	21.26	ug/l	99
57) 1,3-Dichloropropane	8.99	76	82703	20.58	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	22900	103.08	ug/l	100
59) 2-Hexanone	9.62	43	188500	110.79	ug/l	95
60) Dibromochloromethane	8.85	129	76064	21.28	ug/l	98
61) 1,2-Dibromoethane	9.13	107	58655	20.96	ug/l	98
64) Tetrachloroethene	8.30	164	62953	21.33	ug/l	97
65) Chlorobenzene	9.94	112	170811	20.88	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	70320	20.64	ug/l	90
67) Ethyl Benzene	10.04	91	293001	21.10	ug/l	98
68) m/p-Xylenes	10.26	106	207187	41.51	ug/l	97
69) o-Xylene	10.83	106	116219	21.08	ug/l	94
70) Styrene	10.89	104	175645	21.13	ug/l	98
71) Bromoform	10.88	173	47544	19.57	ug/l #	91
73) Isopropylbenzene	11.22	105	345075	20.97	ug/l	99
74) N-amyl acetate	11.46	43	123170	22.92	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	82378	21.33	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	59274	20.96	ug/l	98
77) Bromobenzene	11.59	156	89692	20.17	ug/l	96
78) n-propylbenzene	11.68	91	410453	21.08	ug/l	97
79) 2-Chlorotoluene	11.81	91	248823	21.31	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	294593	21.17	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	37083	20.48	ug/l #	82
82) 4-Chlorotoluene	11.99	91	267545	21.34	ug/l	97
83) tert-Butylbenzene	12.22	119	307880	21.86	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	315672	21.54	ug/l	96
85) sec-Butylbenzene	12.38	105	391225	20.82	ug/l	98
86) p-Isopropyltoluene	12.53	119	344611	22.24	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	168143	21.09	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	168287	21.38	ug/l	99
89) n-Butylbenzene	12.92	91	348566	22.09	ug/l	95
90) Hexachloroethane	12.99	117	83821	21.64	ug/l	94
91) 1,2-Dichlorobenzene	13.01	146	167814	21.22	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	16043	19.24	ug/l	88

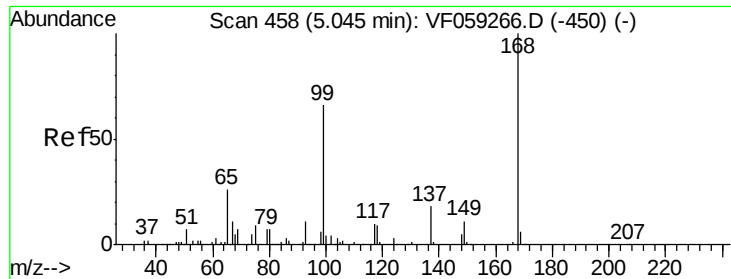
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062118\
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Quant Title : SW846 8260
QLast Update : Fri Jun 22 05:22:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	126491	21.90	ug/l	98
94) Hexachlorobutadiene	14.26	225	74997	21.91	ug/l	98
95) Naphthalene	14.52	128	251741	21.23	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	115844	21.32	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.02 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

Instrument :

MSVOA_F

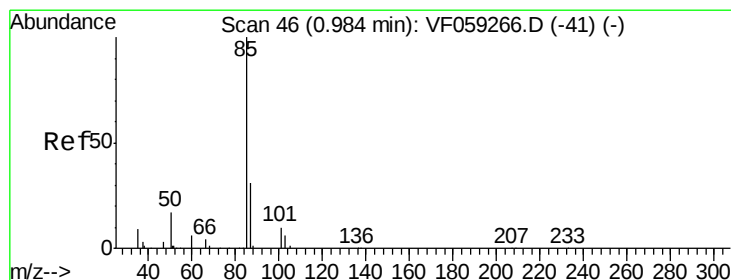
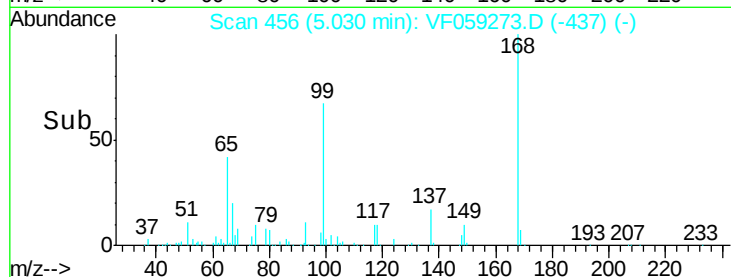
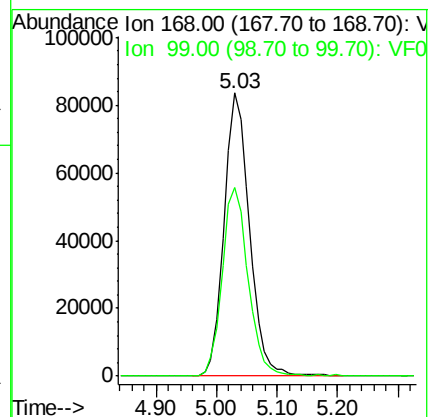
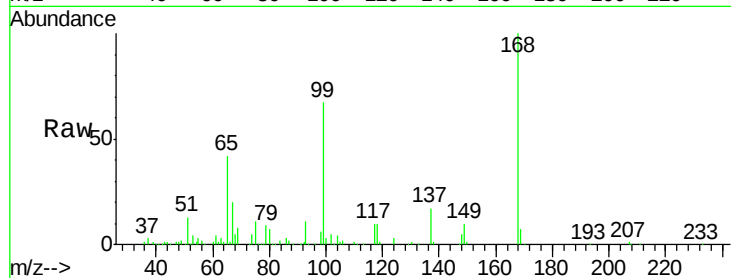
ClientSampleId :

Tot Ion:168 Resp: 244115

Ion Ratio Lower Upper

168 100

99 66.8 52.6 78.8



#2

Dichlorodifluoromethane

Concen: 20.27 ug/l

RT: 0.98 min Scan# 45

Delta R.T. -0.01 min

Lab File: VF059273.D

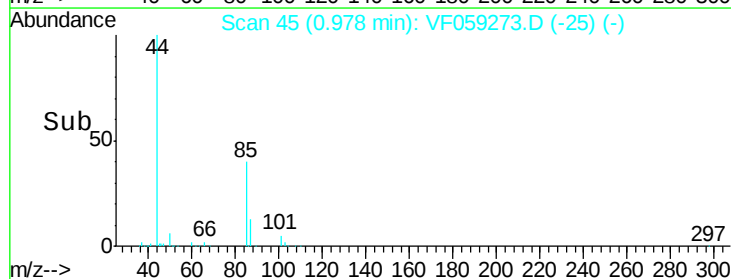
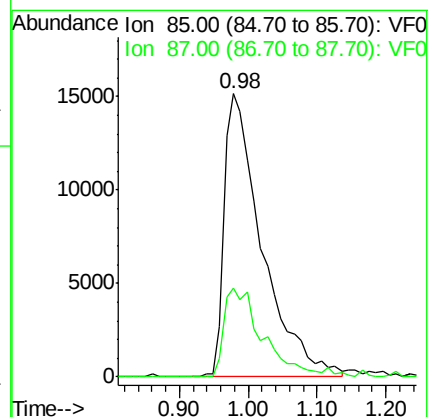
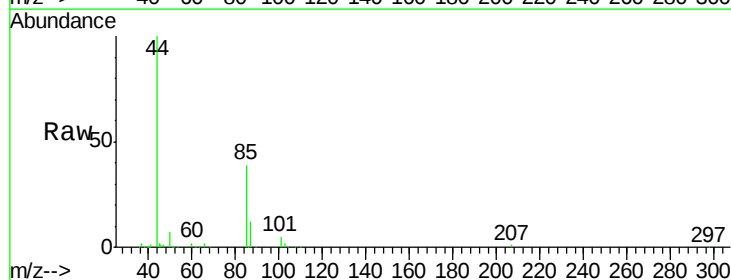
Acq: 21 Jun 2018 21:23

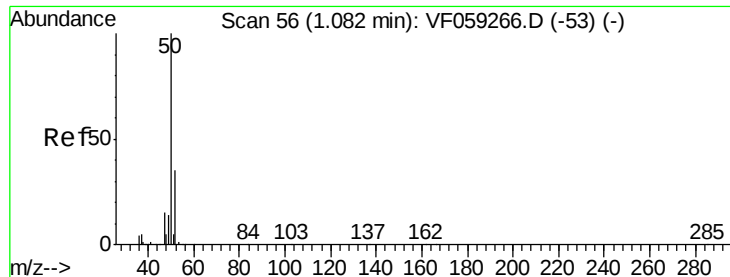
Tgt Ion: 85 Resp: 57617

Ion Ratio Lower Upper

85 100

87 31.3 15.6 46.7





#3

Chloromethane

Concen: 20.76 ug/l

RT: 1.08 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

Instrument :

MSVOA_F

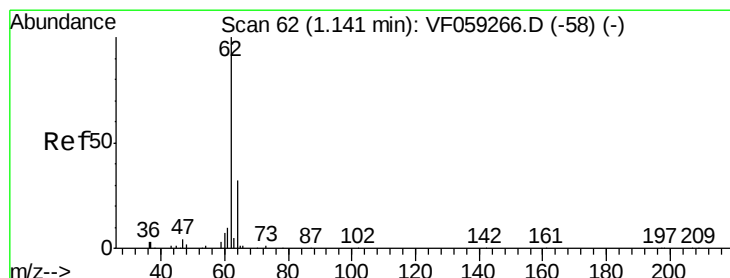
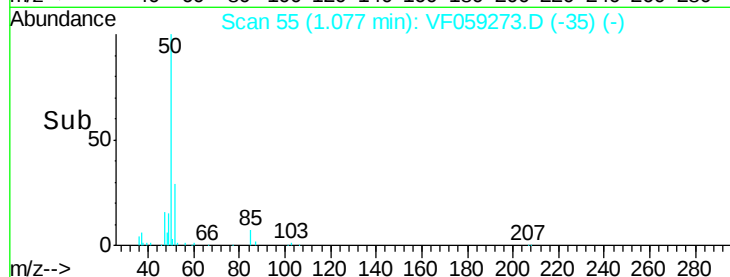
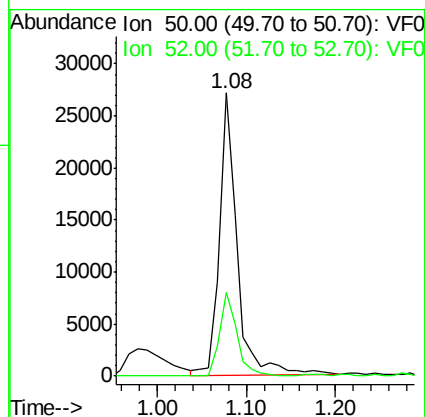
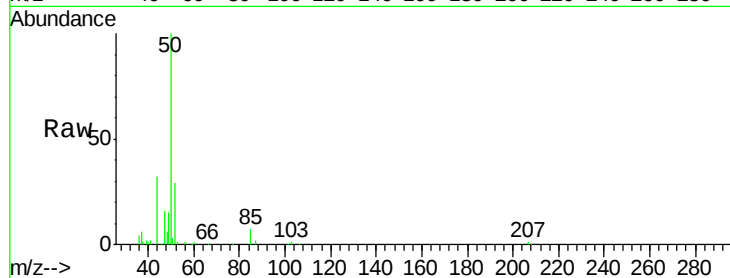
ClientSampled :

Tot Ion: 50 Resp: 37169

Ion Ratio Lower Upper

50 100

52 29.5 27.7 41.5



#4

Vinyl Chloride

Concen: 20.94 ug/l

RT: 1.14 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF059273.D

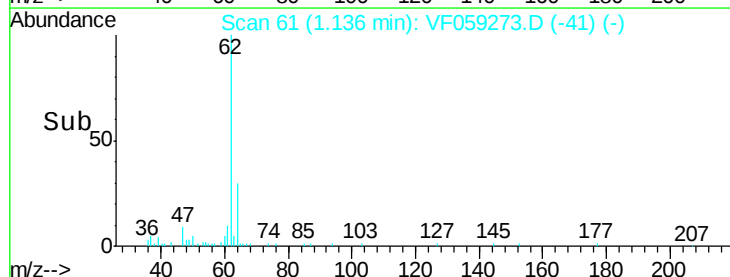
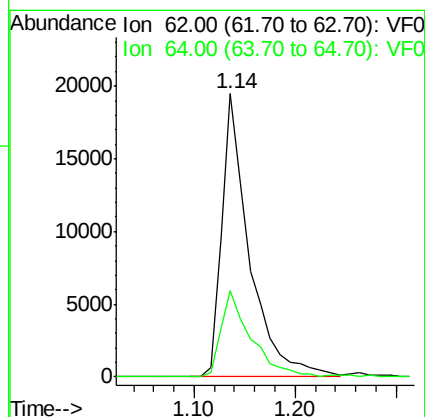
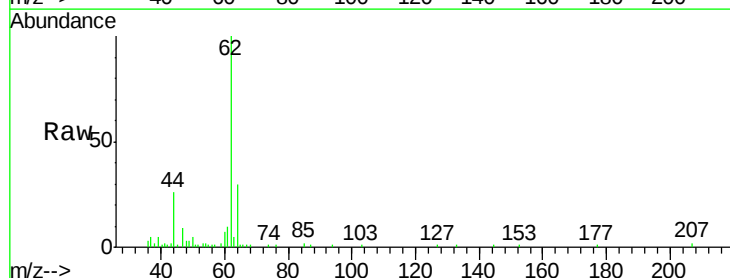
Acq: 21 Jun 2018 21:23

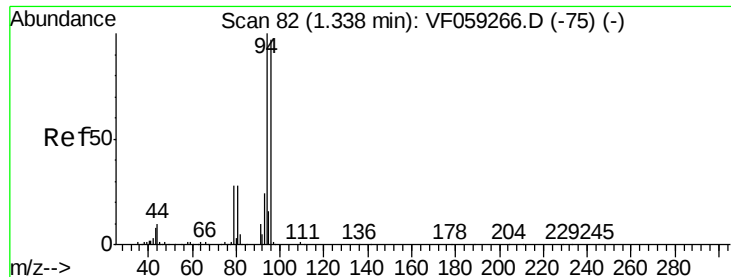
Tgt Ion: 62 Resp: 37179

Ion Ratio Lower Upper

62 100

64 30.3 25.7 38.5





#5

Bromomethane

Concen: 18.17 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

Instrument :

MSVOA_F

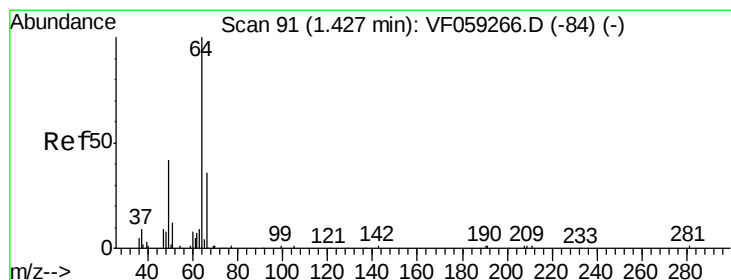
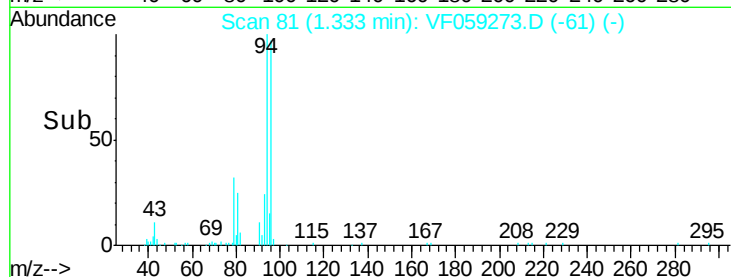
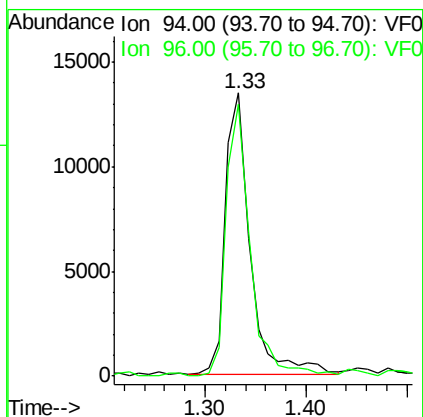
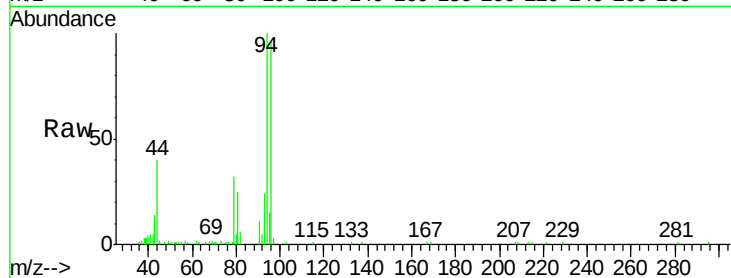
ClientSampleId :

Tot Ion: 94 Resp: 23016

Ion Ratio Lower Upper

94 100

96 95.8 77.7 116.5



#6

Chloroethane

Concen: 22.24 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059273.D

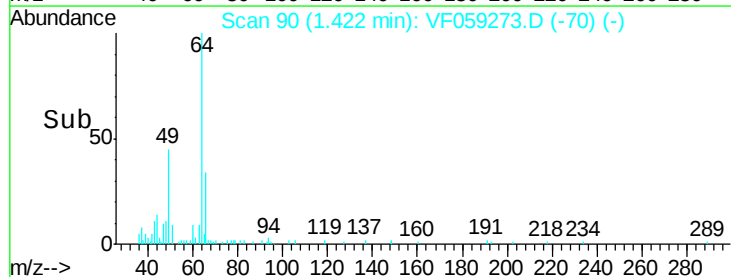
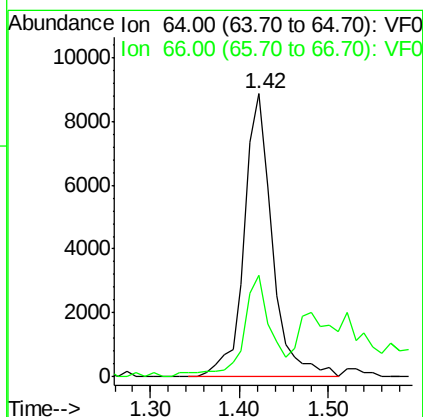
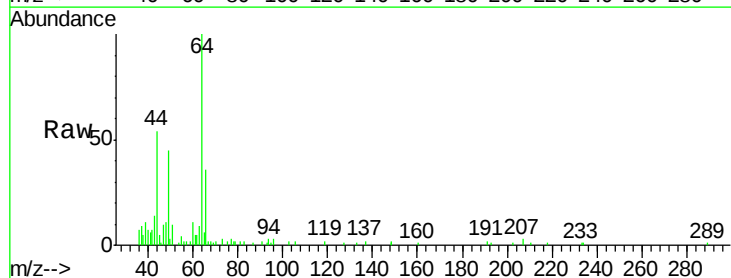
Acq: 21 Jun 2018 21:23

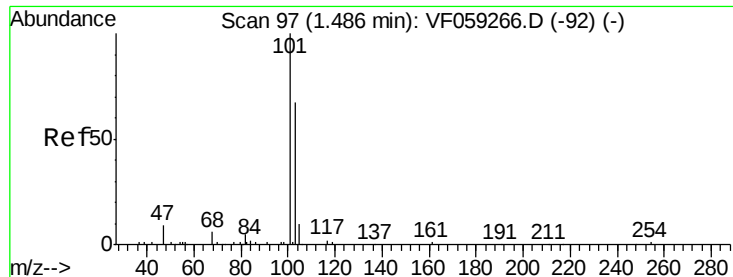
Tgt Ion: 64 Resp: 19257

Ion Ratio Lower Upper

64 100

66 35.7 29.4 44.2





#7

Trichlorofluoromethane

Concen: 6.26 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

Instrument :

MSVOA_F

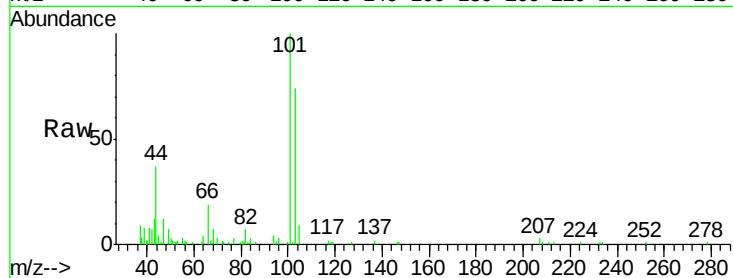
ClientSampleId :

Tot Ion:101 Resp: 21757

Ion Ratio Lower Upper

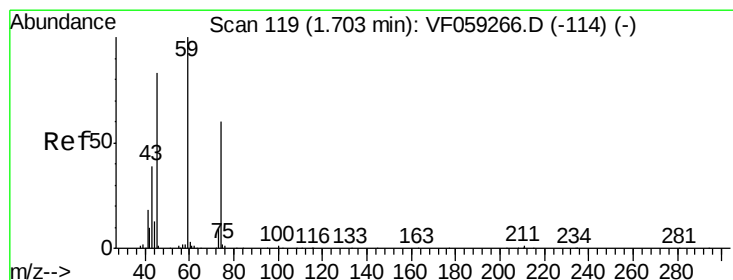
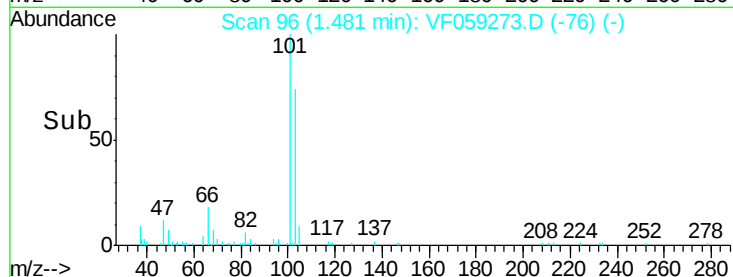
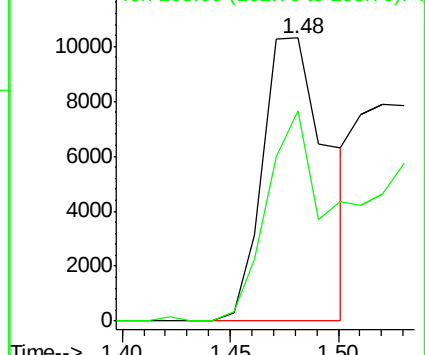
101 100

103 74.5 53.8 80.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 21.13 ug/l

RT: 1.70 min Scan# 118

Delta R.T. -0.01 min

Lab File: VF059273.D

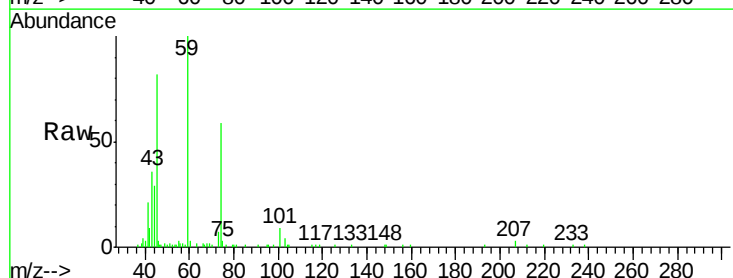
Acq: 21 Jun 2018 21:23

Tgt Ion: 74 Resp: 16535

Ion Ratio Lower Upper

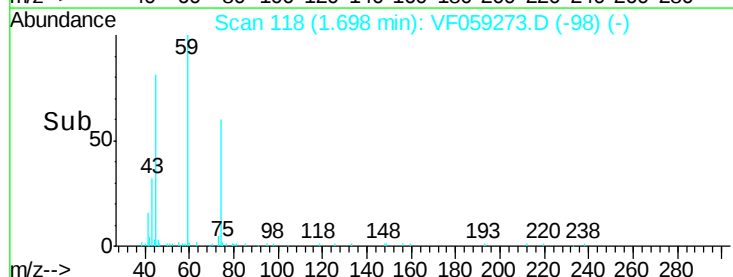
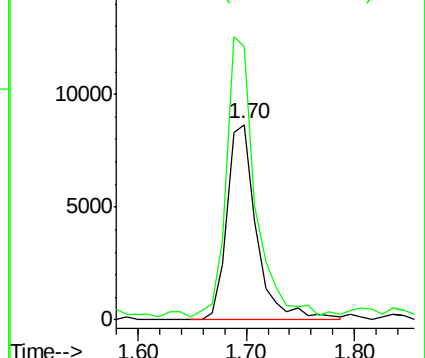
74 100

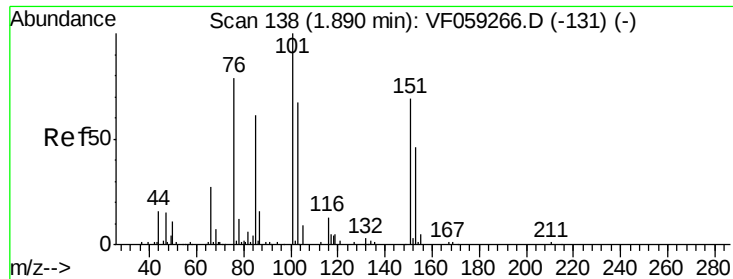
45 139.8 69.2 207.4



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.40 ug/l

RT: 1.89 min Scan# 137

Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

Instrument :

MSVOA_F

ClientSampleId :

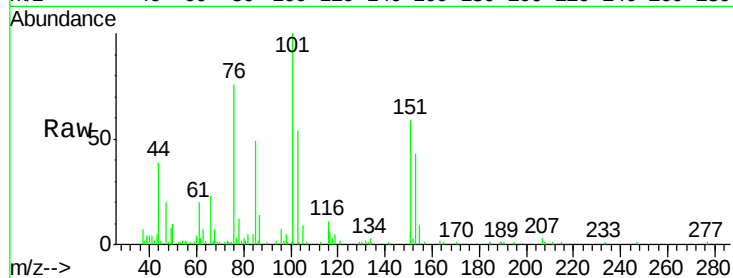
Tot Ion:101 Resp: 41516

Ion Ratio Lower Upper

101 100

85 48.6 47.2 70.8

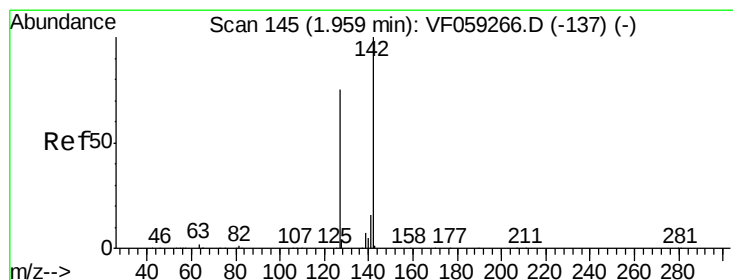
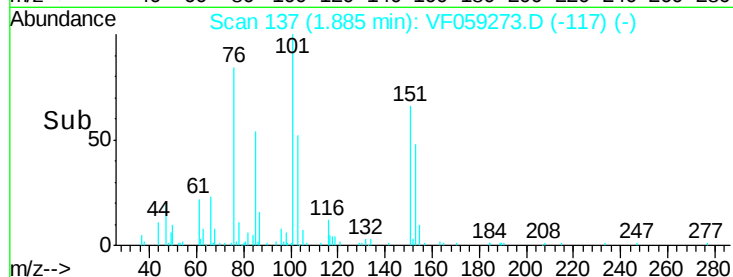
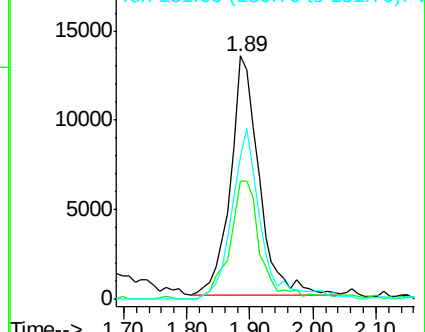
151 58.6 53.3 79.9



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: 20.90 ug/l

RT: 1.95 min Scan# 144

Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

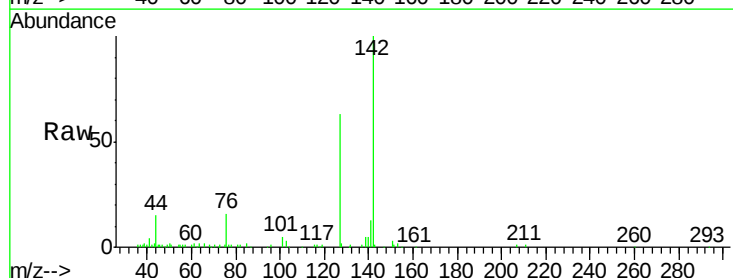
Tgt Ion:142 Resp: 74113

Ion Ratio Lower Upper

142 100

127 63.0 59.9 89.9

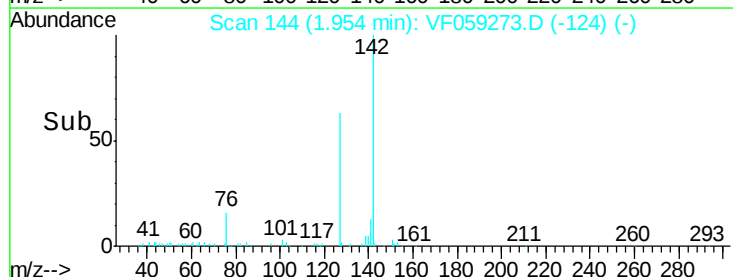
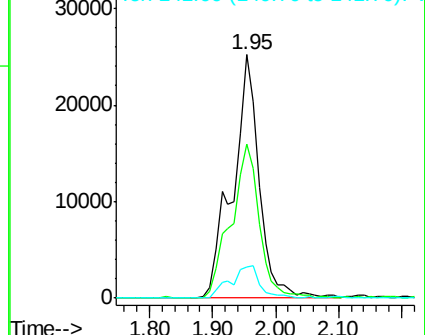
141 13.0 12.7 19.1

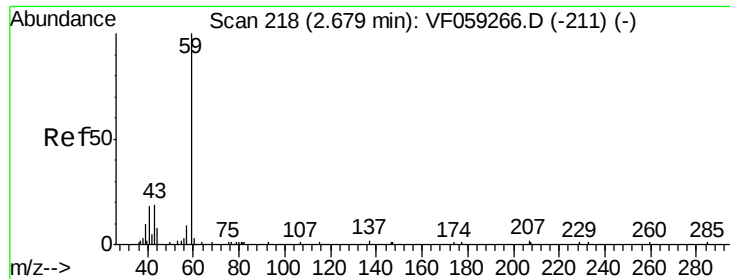


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

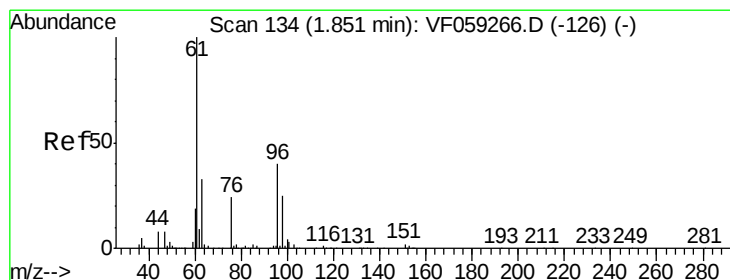
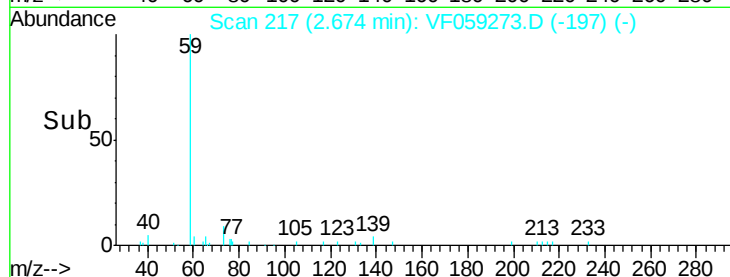
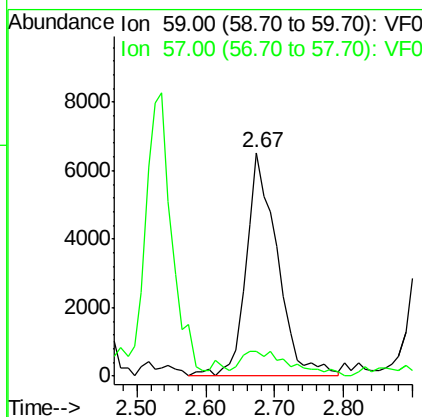
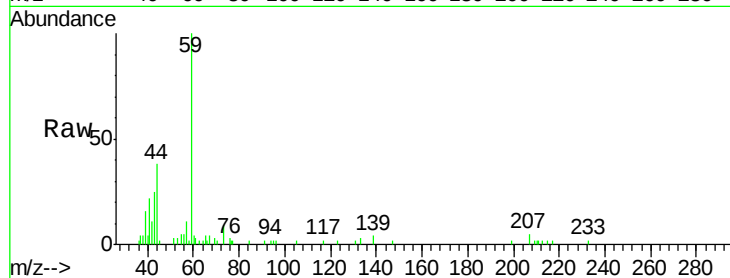




#11
Tert butyl alcohol
Concen: 100.68 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.01 min
Lab File: VF059273.D
Acq: 21 Jun 2018 21:23

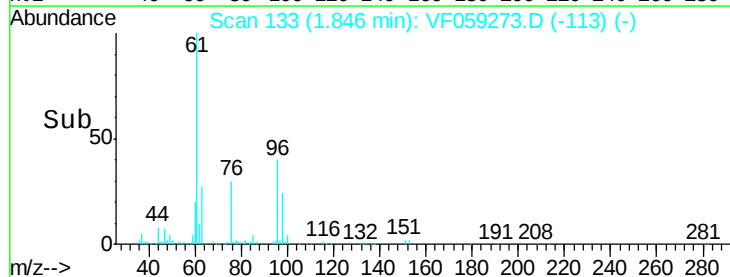
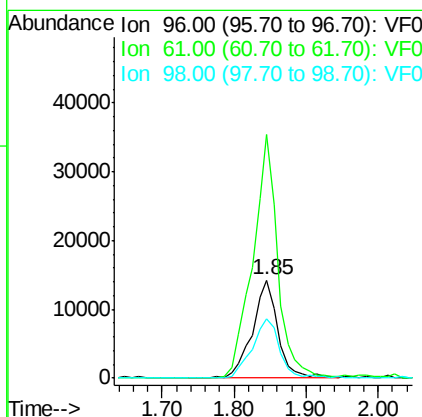
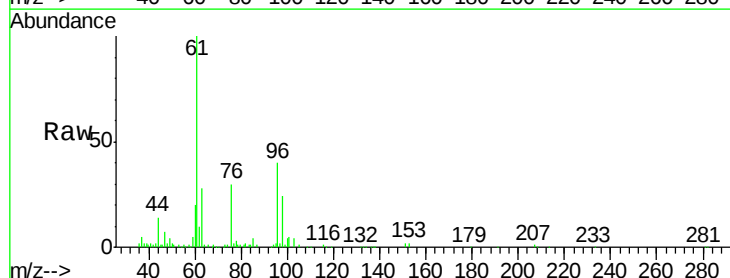
Instrument :
MSVOA_F
ClientSampleId :

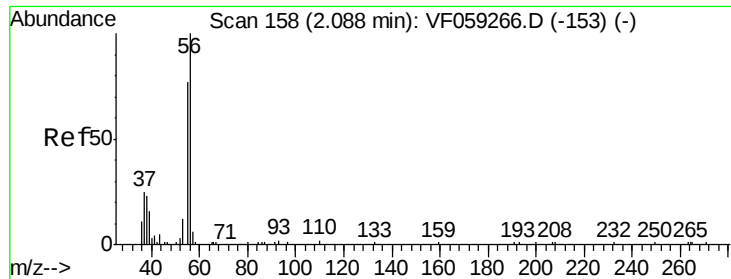
Tot Ion: 59 Resp: 20557
Ion Ratio Lower Upper
59 100
57 11.0 9.2 13.8



#12
1,1-Dichloroethene
Concen: 20.56 ug/l
RT: 1.85 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF059273.D
Acq: 21 Jun 2018 21:23

Tgt Ion: 96 Resp: 35570
Ion Ratio Lower Upper
96 100
61 247.7 201.4 302.2
98 59.9 50.0 75.0

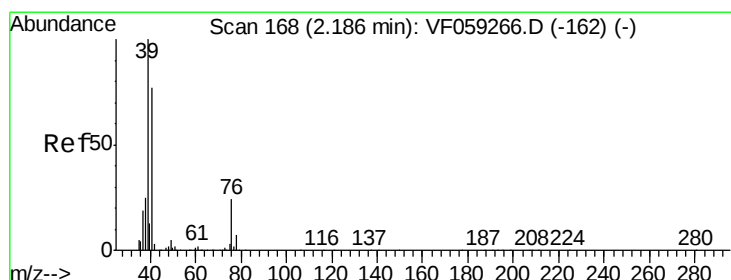
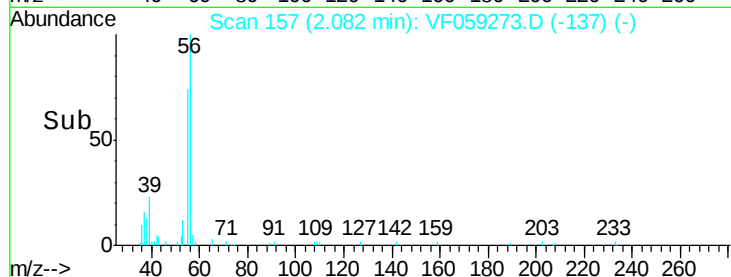
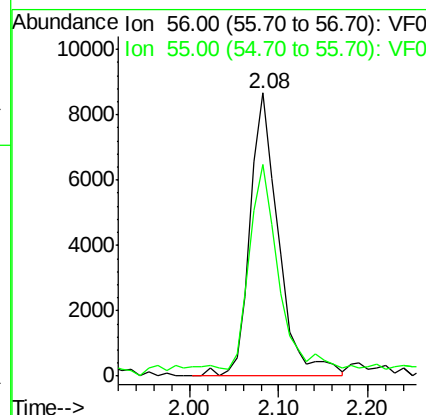
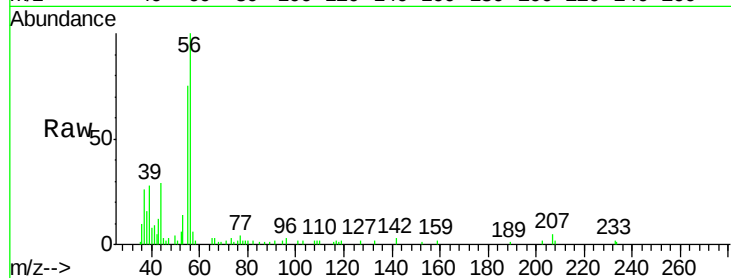




#13
Acrolein
Concen: 115.17 ug/l
RT: 2.08 min Scan# 157
Delta R.T. -0.00 min
Lab File: VF059273.D
Acq: 21 Jun 2018 21:23

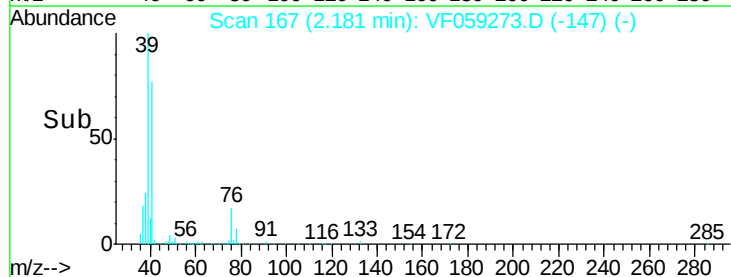
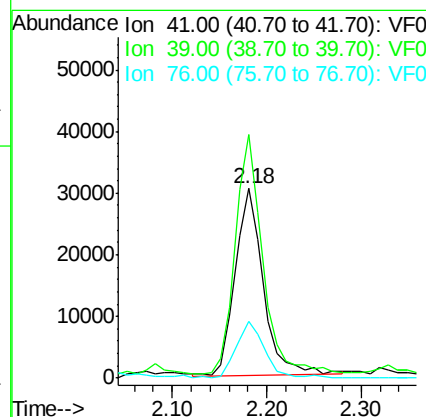
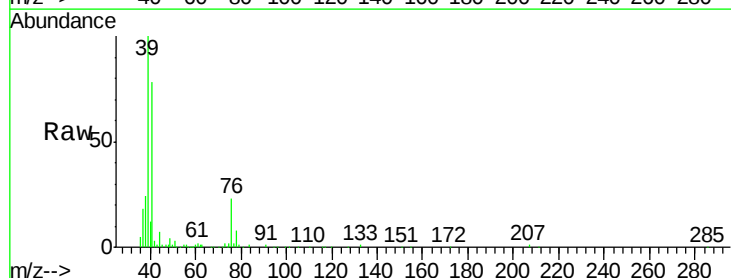
Instrument :
MSVOA_F
ClientSampleId :

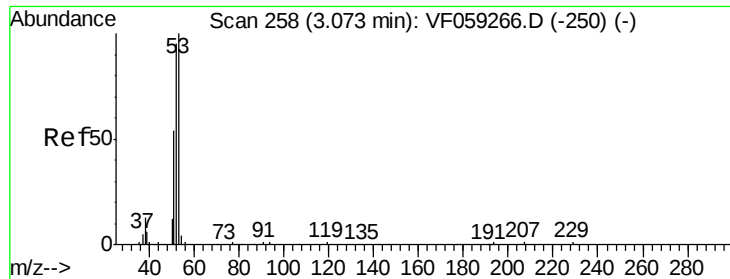
Tot Ion: 56 Resp: 19052
Ion Ratio Lower Upper
56 100
55 75.0 63.0 94.6



#14
Allyl chloride
Concen: 19.51 ug/l
RT: 2.18 min Scan# 167
Delta R.T. -0.01 min
Lab File: VF059273.D
Acq: 21 Jun 2018 21:23

Tgt Ion: 41 Resp: 62317
Ion Ratio Lower Upper
41 100
39 128.3 103.8 155.6
76 29.6 25.0 37.6





#15

Acrylonitrile

Concen: 117.00 ug/l

RT: 3.07 min Scan# 257

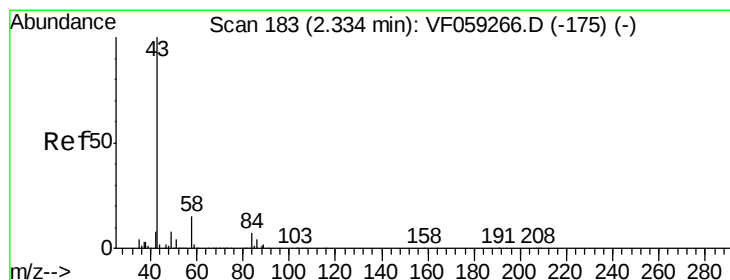
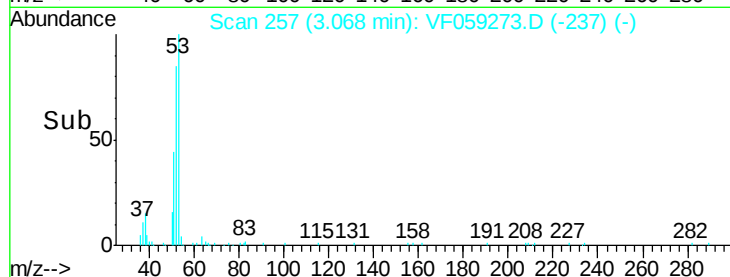
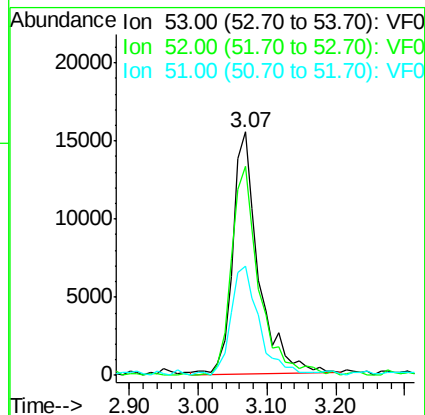
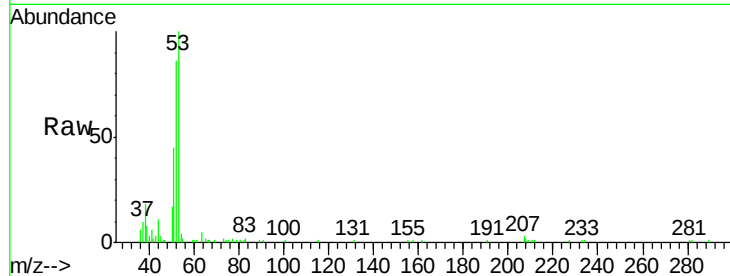
Delta R.T. -0.00 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	53	Resp:	40298
Ion	Ratio	Lower	Upper
53	100		
52	86.1	75.7	113.5
51	44.7	44.5	66.7



#16

Acetone

Concen: 86.48 ug/l

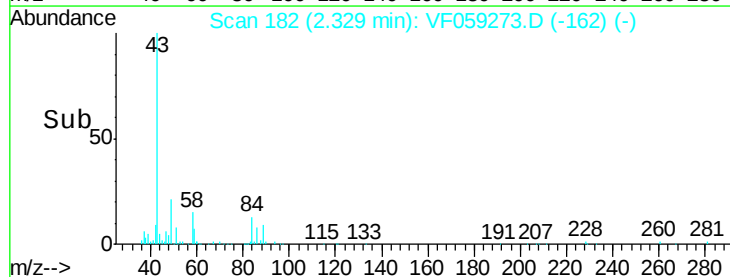
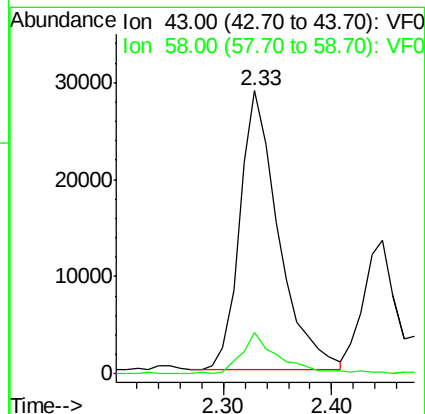
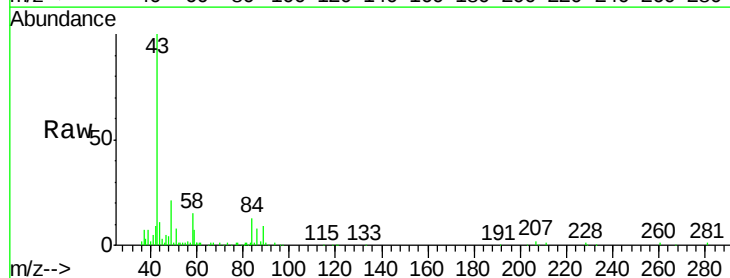
RT: 2.33 min Scan# 182

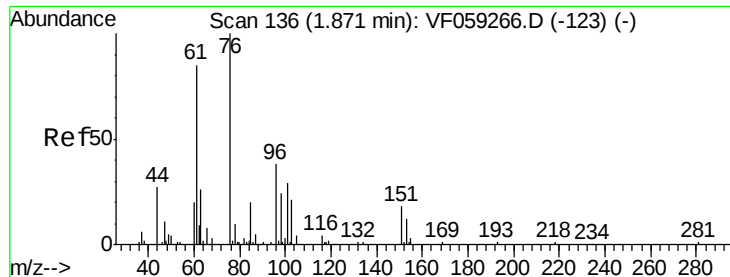
Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

Tgt Ion:	43	Resp:	71622
Ion	Ratio	Lower	Upper
43	100		
58	14.8	12.1	18.1





#17

Carbon Disulfide

Concen: 19.51 ug/l

RT: 1.86 min Scan# 134

Delta R.T. -0.02 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

Instrument :

MSVOA_F

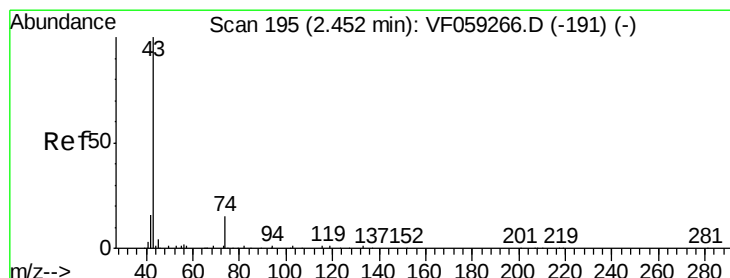
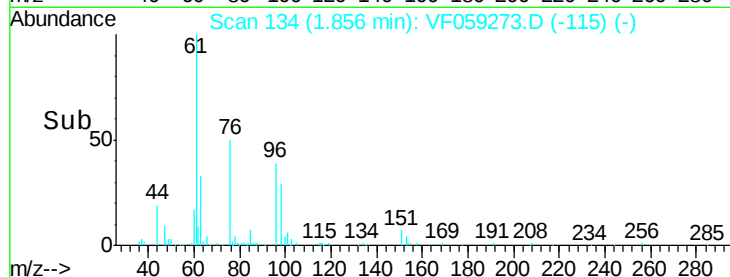
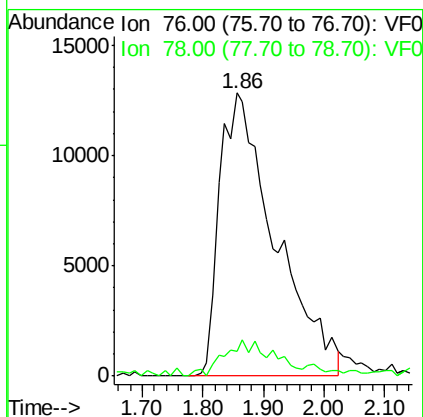
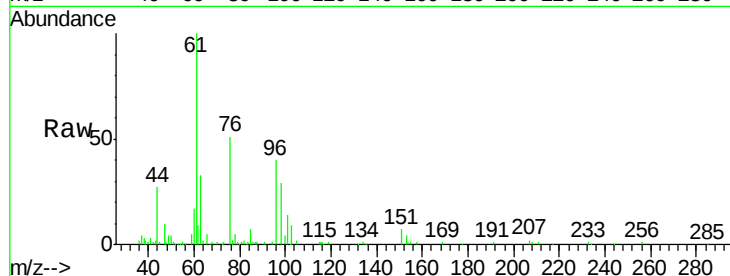
ClientSampleId :

Tot Ion: 76 Resp: 82009

Ion Ratio Lower Upper

76 100

78 8.9 8.6 12.8



#18

Methyl Acetate

Concen: 18.29 ug/l

RT: 2.45 min Scan# 194

Delta R.T. -0.01 min

Lab File: VF059273.D

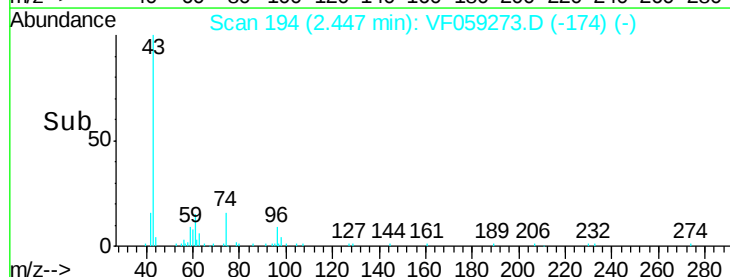
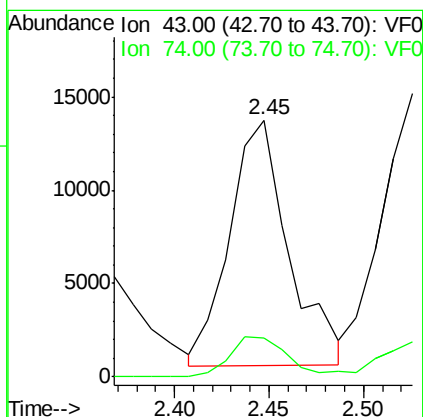
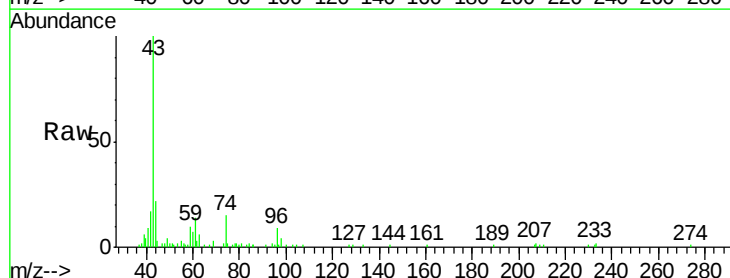
Acq: 21 Jun 2018 21:23

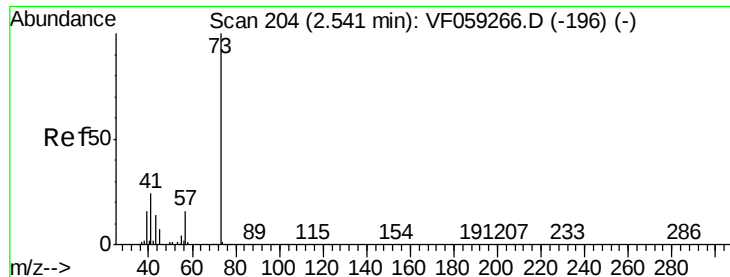
Tgt Ion: 43 Resp: 28552

Ion Ratio Lower Upper

43 100

74 15.2 11.0 16.4

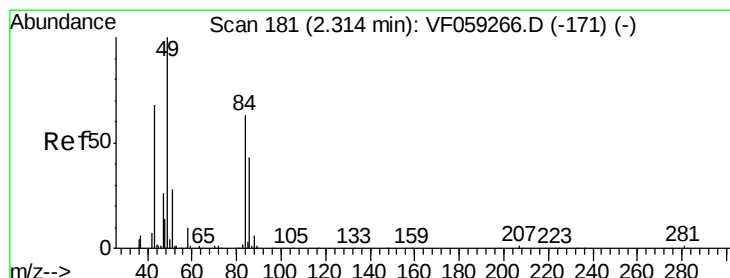
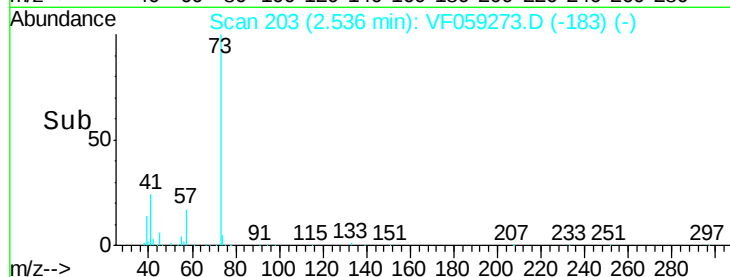
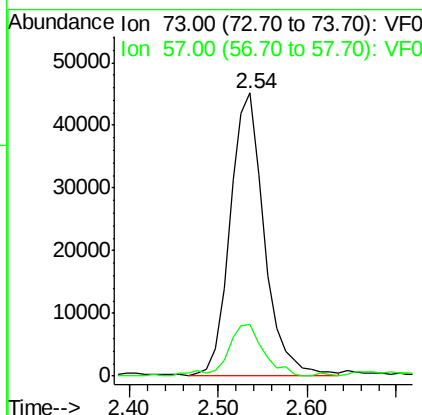
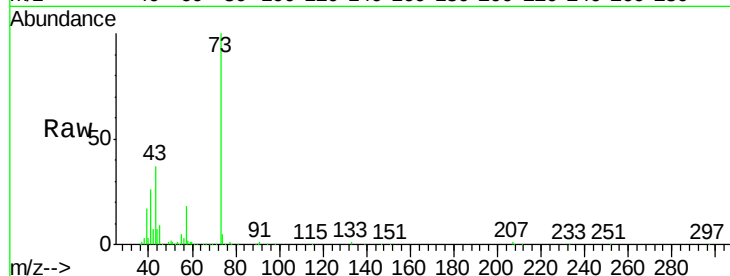




#19
Methvl tert-butvl Ether
Concen: 20.56 ug/l
RT: 2.54 min Scan# 203
Delta R.T. -0.01 min
Lab File: VF059273.D
Acq: 21 Jun 2018 21:23

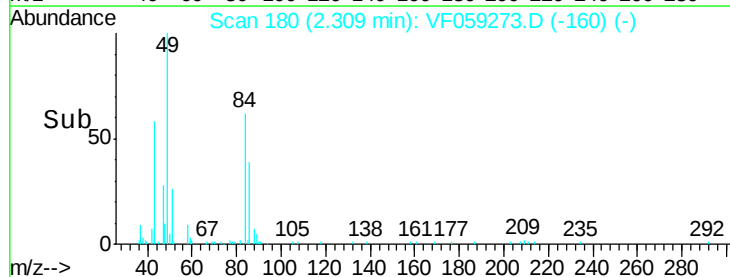
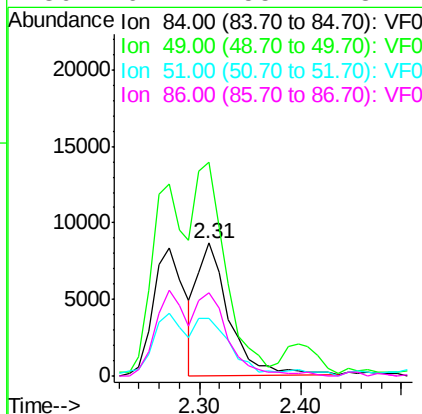
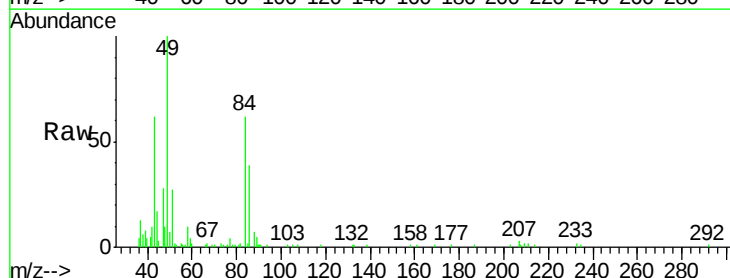
Instrument :
MSVOA_F
ClientSampleId :

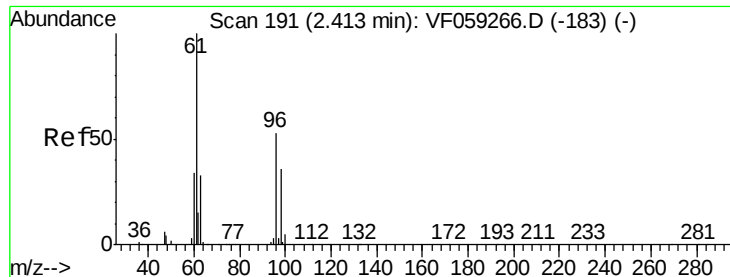
Tot Ion: 73 Resp: 119314
Ion Ratio Lower Upper
73 100
57 18.3 13.0 19.4



#20
Methylene Chloride
Concen: 9.57 ug/l
RT: 2.31 min Scan# 180
Delta R.T. -0.00 min
Lab File: VF059273.D
Acq: 21 Jun 2018 21:23

Tgt Ion: 84 Resp: 18634
Ion Ratio Lower Upper
84 100
49 160.6 130.0 195.0
51 43.7 36.6 55.0
86 62.4 55.1 82.7





#21

trans-1,2-Dichloroethene

Concen: 19.98 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

Instrument :

MSVOA_F

ClientSampleId :

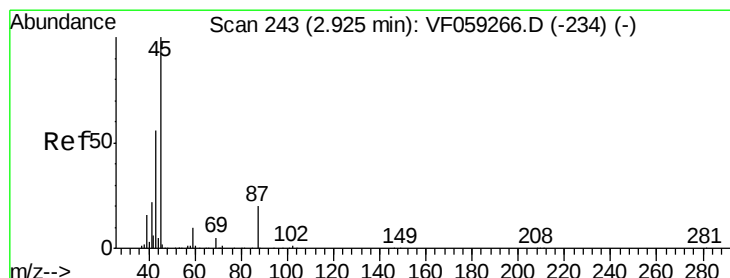
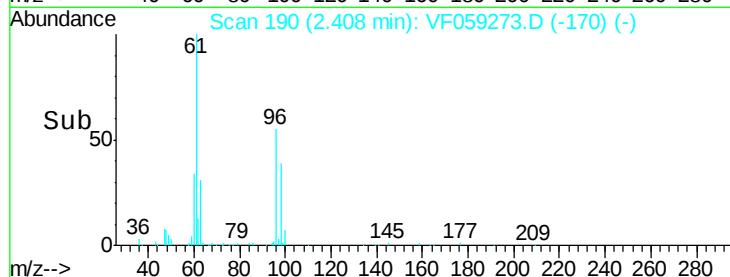
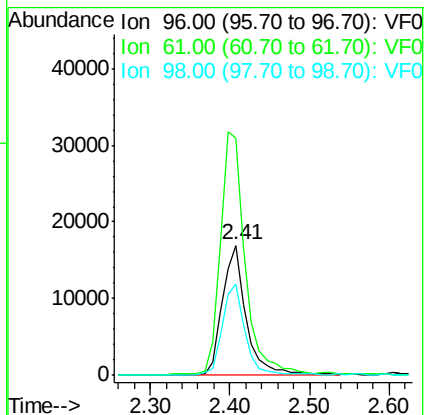
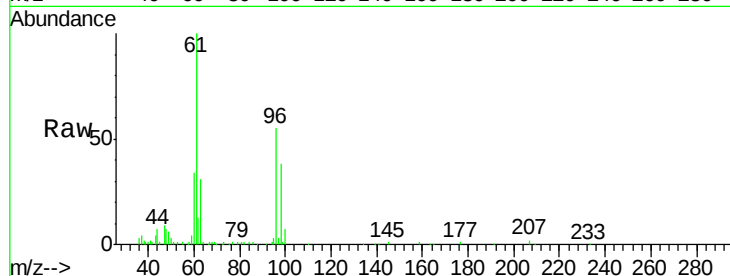
Tot Ion: 96 Resp: 36078

Ion Ratio Lower Upper

96 100

61 183.1 151.2 226.8

98 70.3 54.2 81.2



#22

Diisopropyl ether

Concen: 21.64 ug/l

RT: 2.92 min Scan# 242

Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

Tgt Ion: 45 Resp: 143352

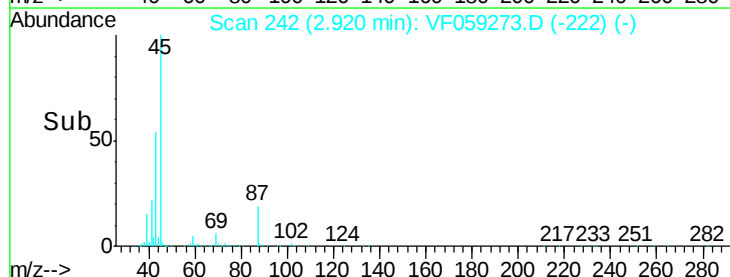
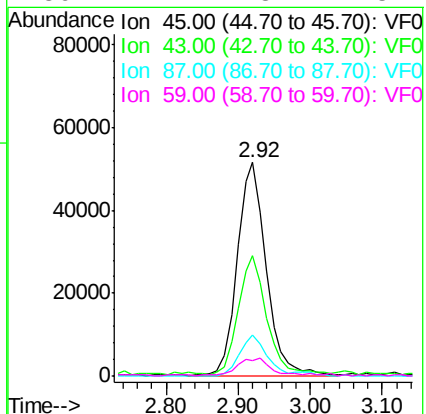
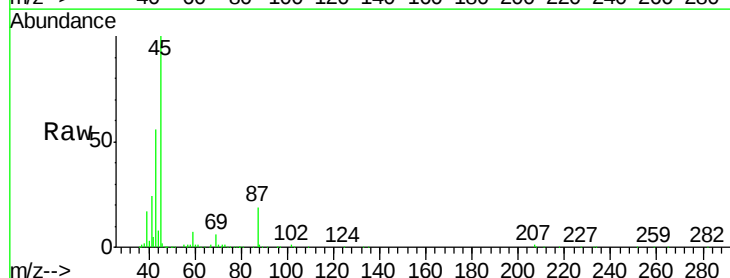
Ion Ratio Lower Upper

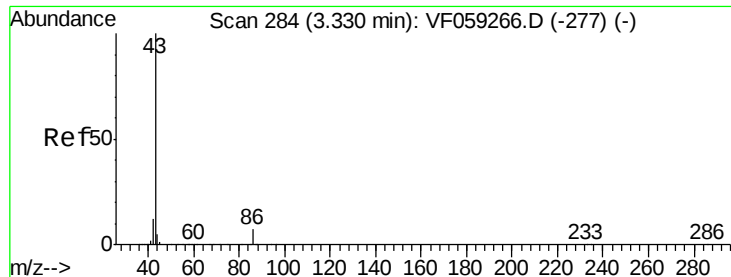
45 100

43 56.5 45.8 68.6

87 19.4 15.7 23.5

59 7.2 8.7 13.1#





#23

Vinyl Acetate

Concen: 109.10 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

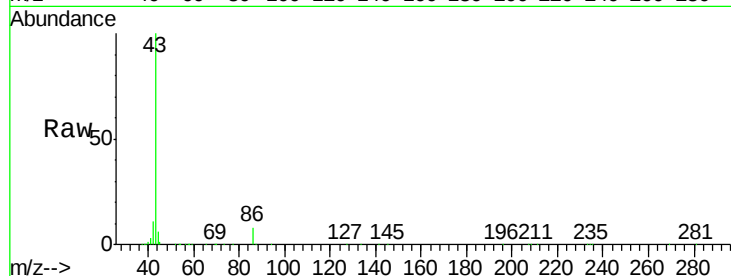
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 462359

Ion Ratio Lower Upper

43 100

86 7.6 5.4 8.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.32

200000

150000

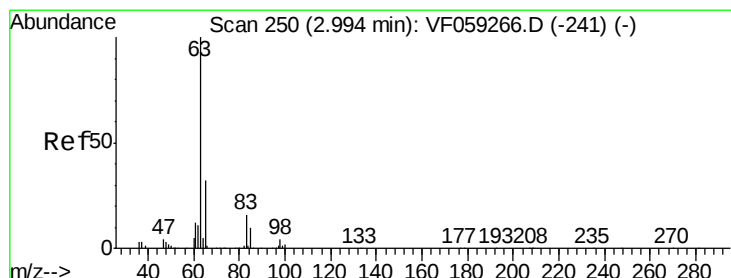
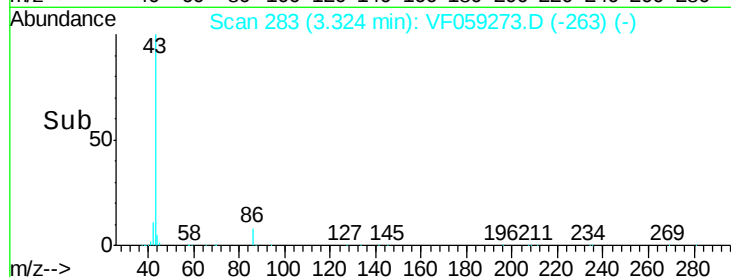
100000

50000

0

Time-->

3.20 3.30 3.40 3.50



#24

1,1-Dichloroethane

Concen: 20.79 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

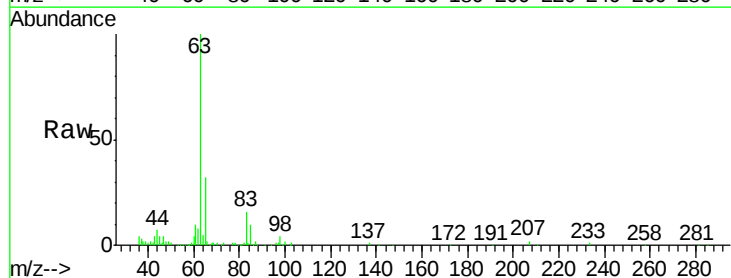
Tgt Ion: 63 Resp: 89318

Ion Ratio Lower Upper

63 100

98 3.7 2.0 5.8

100 2.3 1.1 3.1



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.99

40000

30000

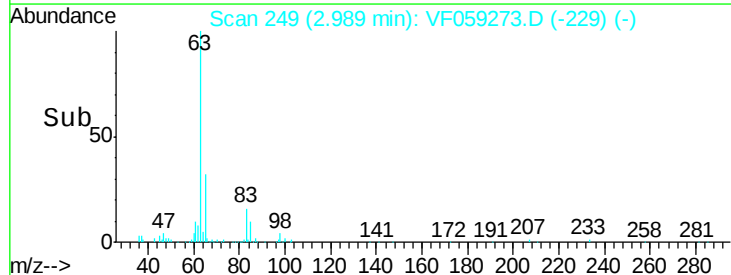
20000

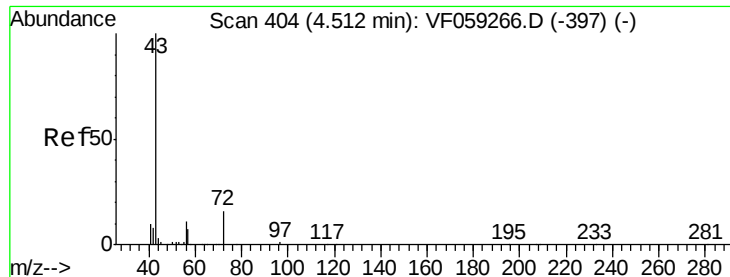
10000

0

Time-->

2.80 2.90 3.00 3.10 3.20





#25

2-Butanone

Concen: 97.39 ug/l

RT: 4.50 min Scan# 402

Delta R.T. -0.02 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

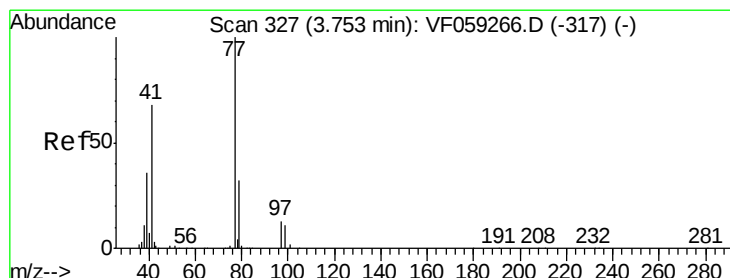
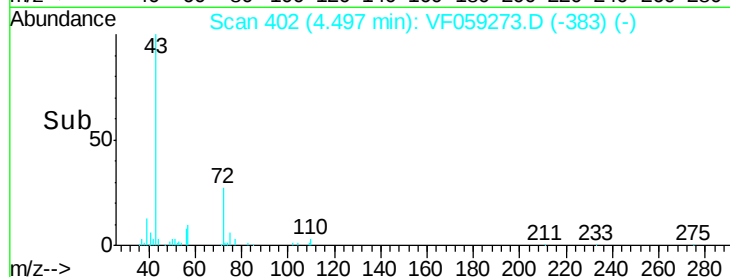
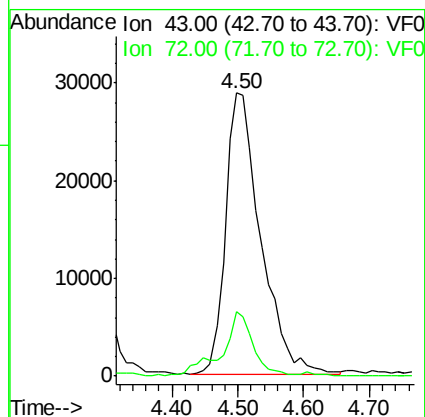
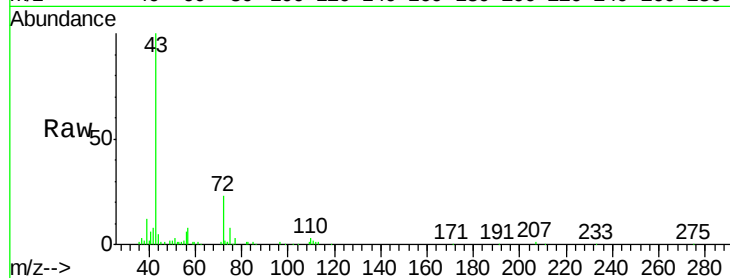
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 107594

Ion Ratio Lower Upper

43 100

72 22.8 15.2 22.8



#26

2,2-Dichloropropane

Concen: 19.67 ug/l

RT: 3.75 min Scan# 326

Delta R.T. -0.01 min

Lab File: VF059273.D

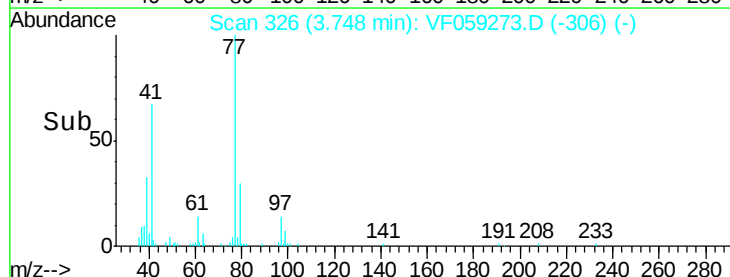
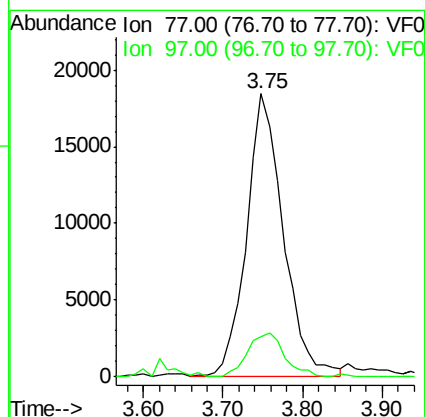
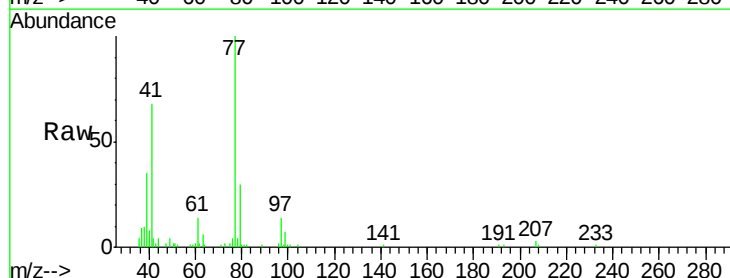
Acq: 21 Jun 2018 21:23

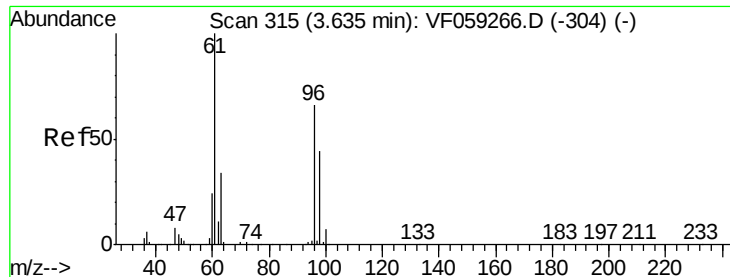
Tgt Ion: 77 Resp: 58894

Ion Ratio Lower Upper

77 100

97 14.1 7.6 22.8



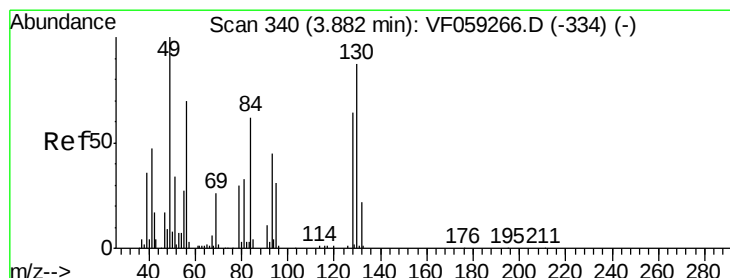
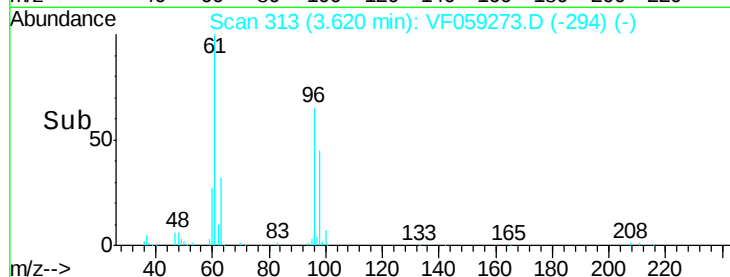
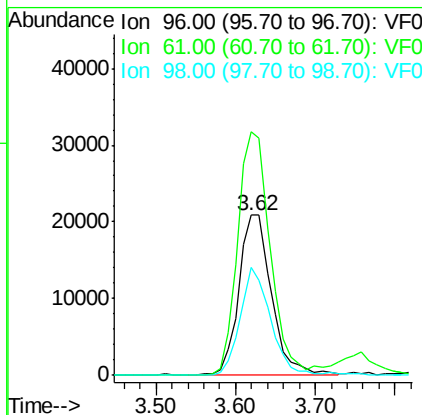
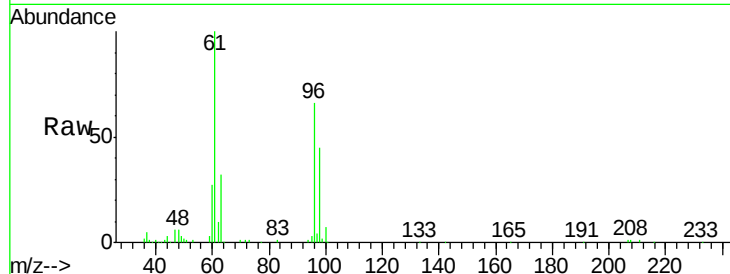


#27

cis-1,2-Dichloroethene
Concen: 21.66 ug/l
RT: 3.62 min Scan# 313
Delta R.T. -0.02 min
Lab File: VF059273.D
Acq: 21 Jun 2018 21:23

Instrument :
MSVOA_F
ClientSampleId :

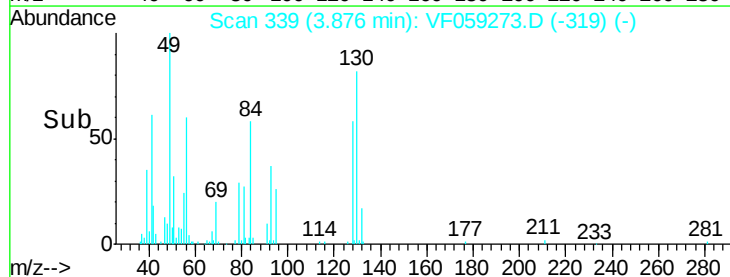
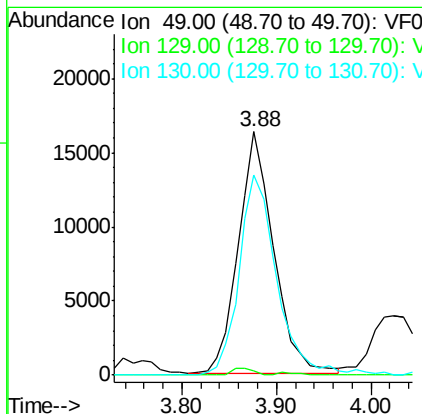
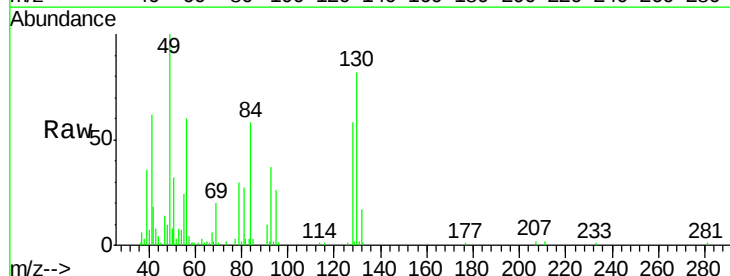
Tot Ion	96	Resp	59443
Ion	Ratio	Lower	Upper
96	100		
61	152.2	0.0	305.0
98	67.8	0.0	134.0

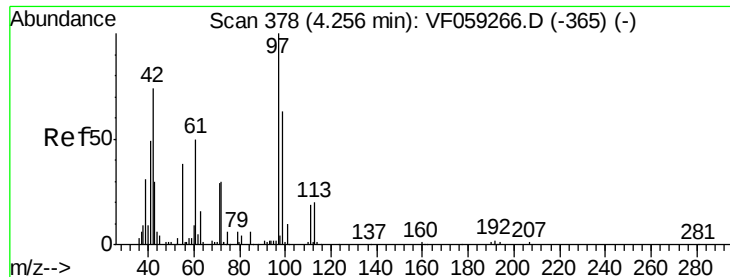


#28

Bromochloromethane
Concen: 23.81 ug/l
RT: 3.88 min Scan# 339
Delta R.T. -0.00 min
Lab File: VF059273.D
Acq: 21 Jun 2018 21:23

Tgt Ion	49	Resp	42182
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	83.8	69.4	104.2





#29

Tetrahydrofuran

Concen: 106.41 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

Instrument :

MSVOA_F

ClientSampleId :

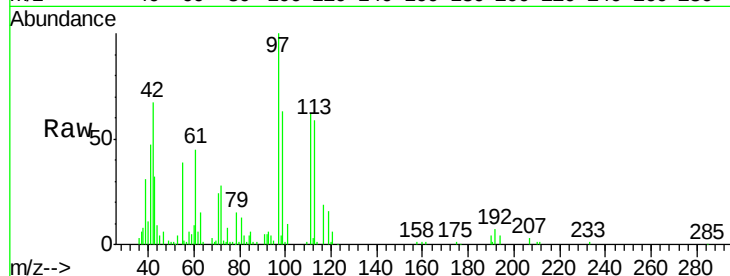
Tot Ion: 42 Resp: 52781

Ion Ratio Lower Upper

42 100

72 37.5 31.2 46.8

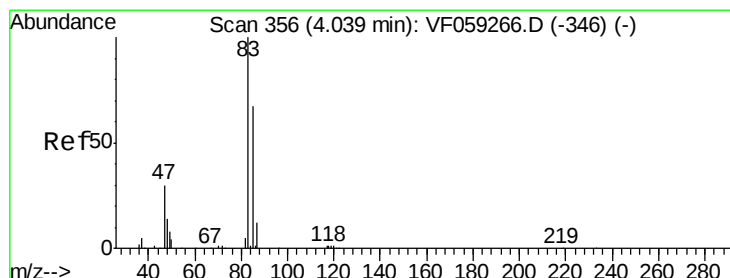
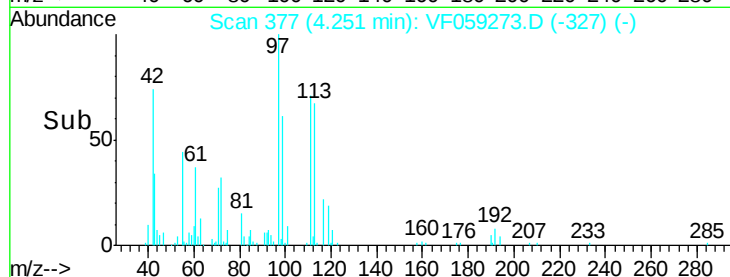
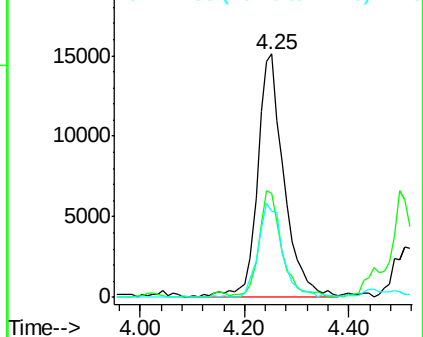
71 35.5 30.2 45.2



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: 20.40 ug/l

RT: 4.02 min Scan# 354

Delta R.T. -0.02 min

Lab File: VF059273.D

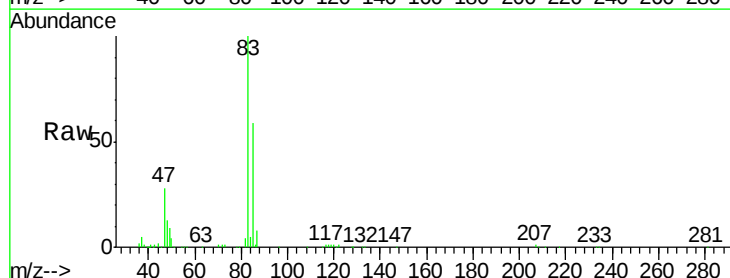
Acq: 21 Jun 2018 21:23

Tgt Ion: 83 Resp: 126878

Ion Ratio Lower Upper

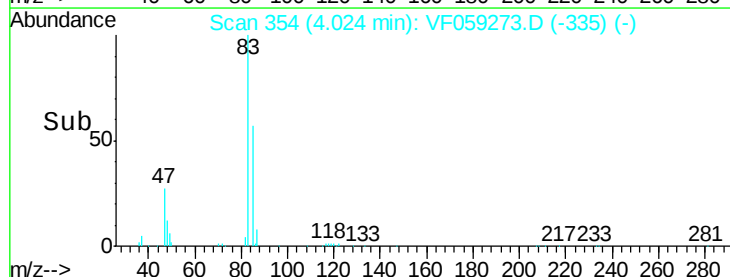
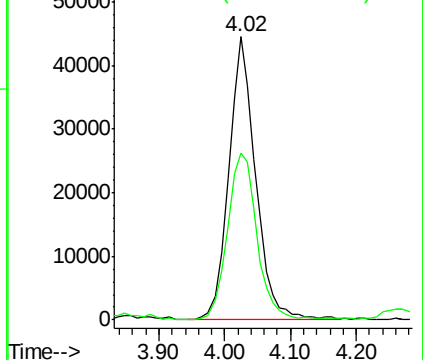
83 100

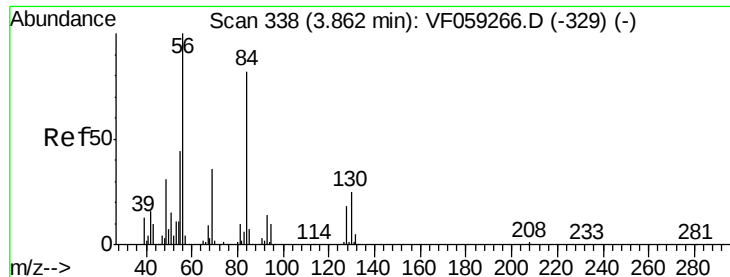
85 58.9 54.2 81.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

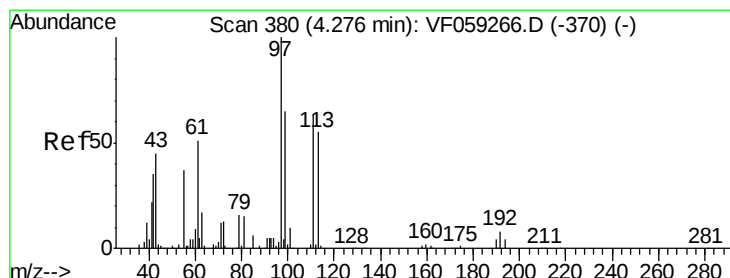
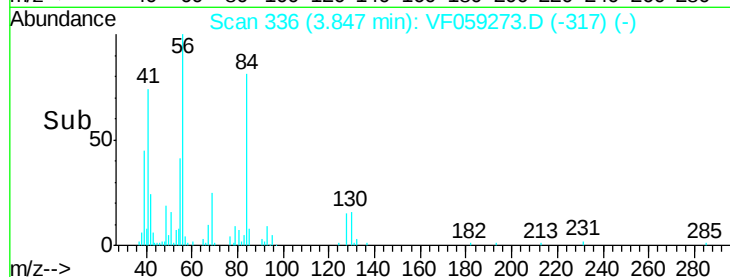
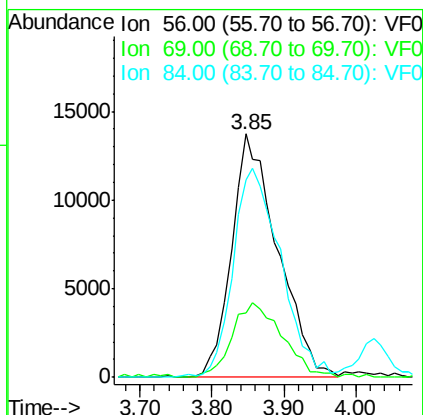
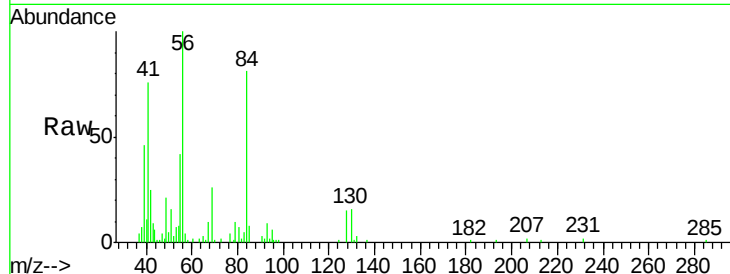




#31
Cyclohexane
Concen: 20.58 ug/l
RT: 3.85 min Scan# 336
Delta R.T. -0.02 min
Lab File: VF059273.D
Acq: 21 Jun 2018 21:23

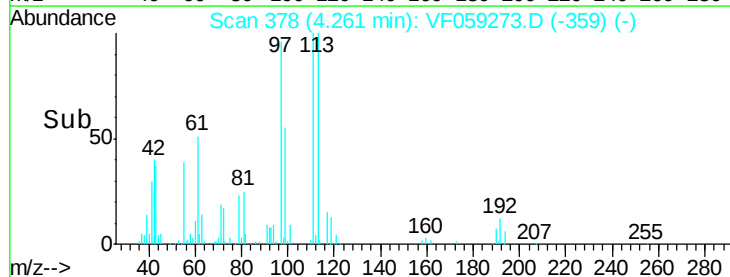
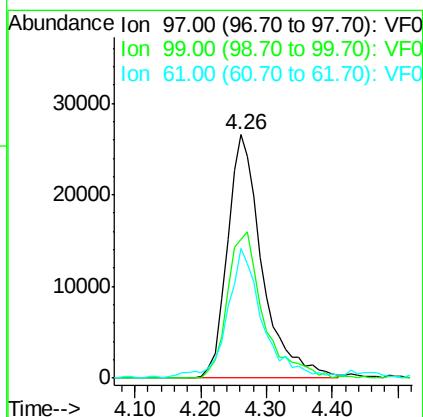
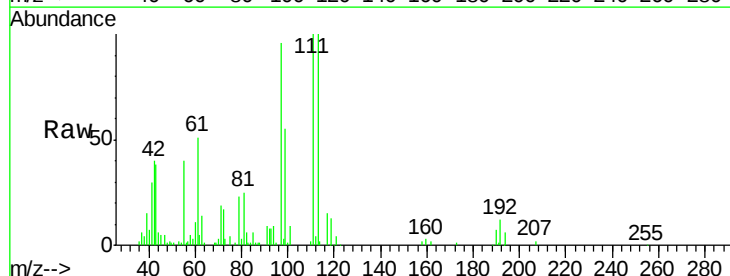
Instrument :
MSVOA_F
ClientSampleId :

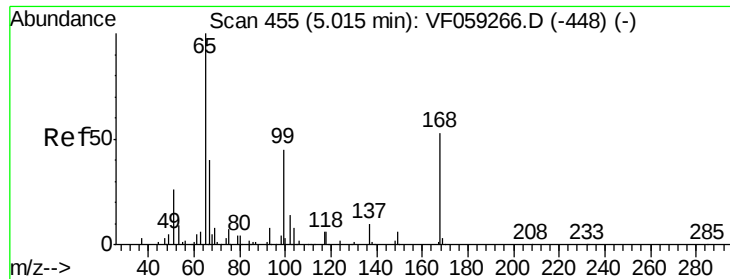
Tot Ion: 56 Resp: 60846
Ion Ratio Lower Upper
56 100
69 26.4 28.6 43.0#
84 81.3 65.8 98.6



#32
1,1,1-Trichloroethane
Concen: 20.96 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.02 min
Lab File: VF059273.D
Acq: 21 Jun 2018 21:23

Tgt Ion: 97 Resp: 98411
Ion Ratio Lower Upper
97 100
99 57.0 52.4 78.6
61 53.2 40.9 61.3





#33

1,2-Dichloroethane-d4

Concen: 48.68 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

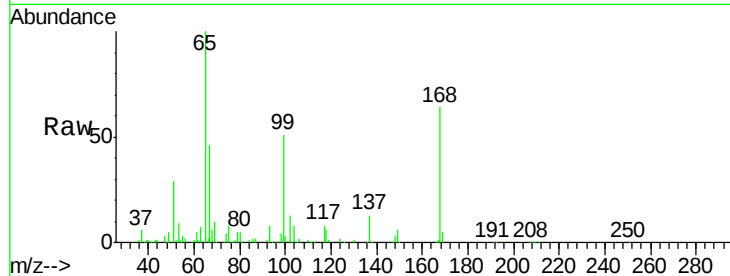
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 170596

Ion Ratio Lower Upper

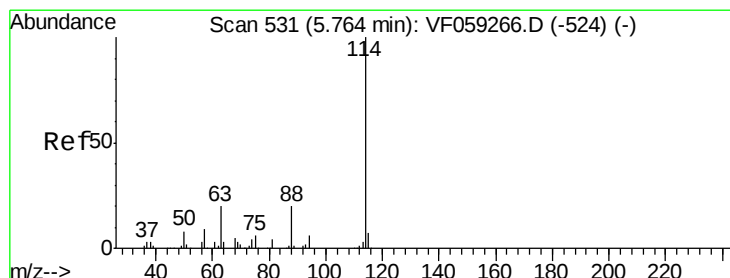
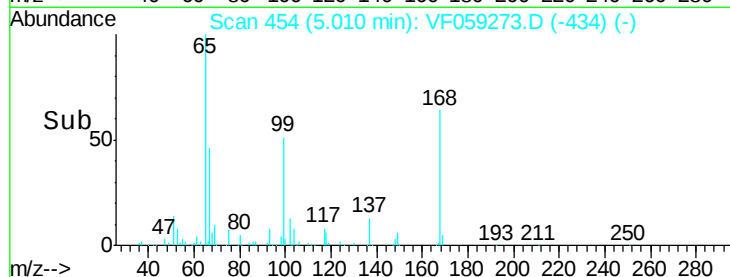
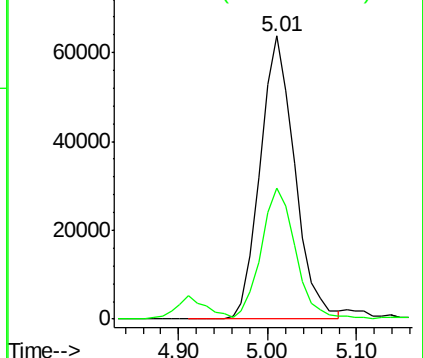
65 100

67 46.2 0.0 95.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

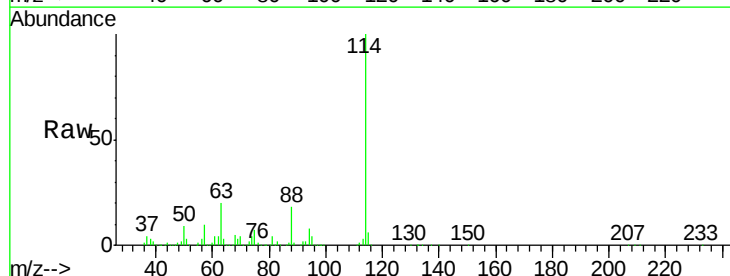
Tgt Ion: 114 Resp: 365731

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.0

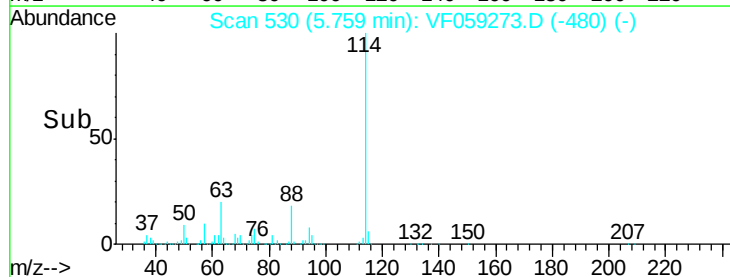
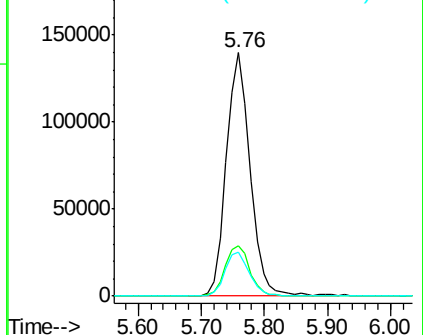
88 18.2 0.0 39.6

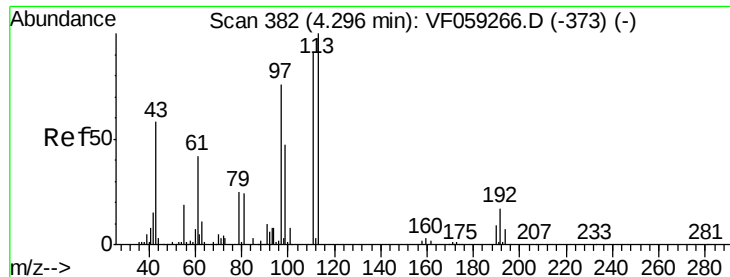


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 50.85 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

Instrument :
MSVOA_F
ClientSampleId :

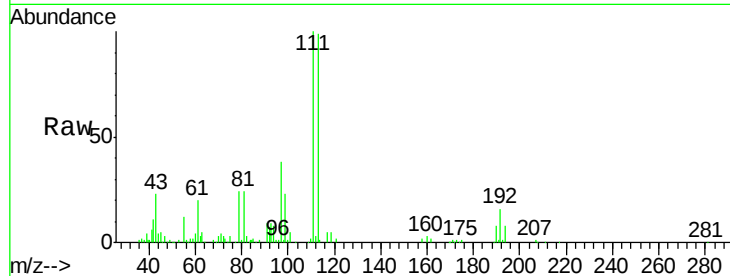
Tot Ion:113 Resp: 156461

Ion Ratio Lower Upper

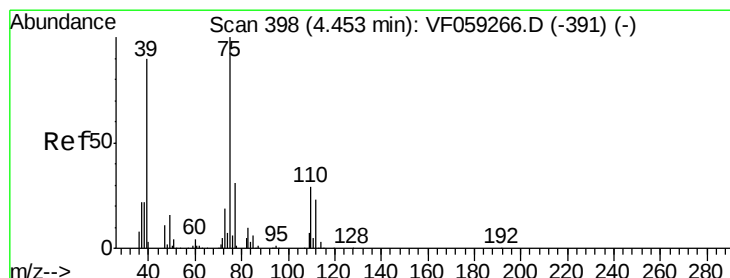
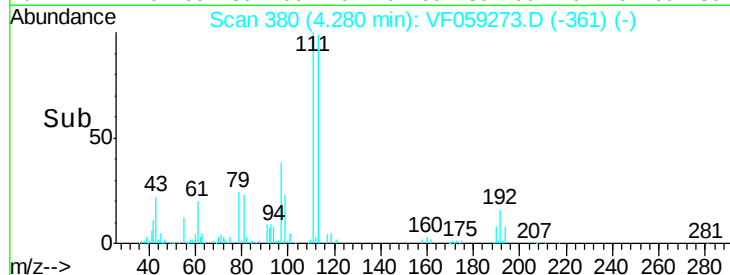
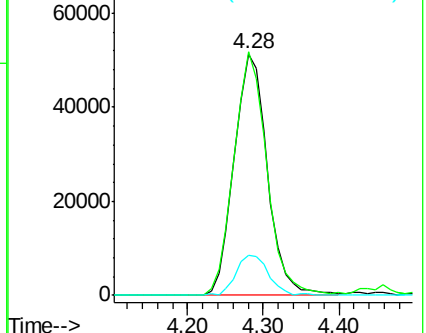
113 100

111 100.8 73.1 109.7

192 16.6 13.9 20.9



Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 21.18 ug/l

RT: 4.45 min Scan# 397

Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

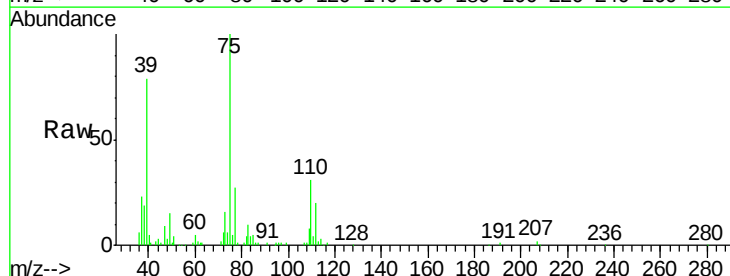
Tgt Ion: 75 Resp: 81386

Ion Ratio Lower Upper

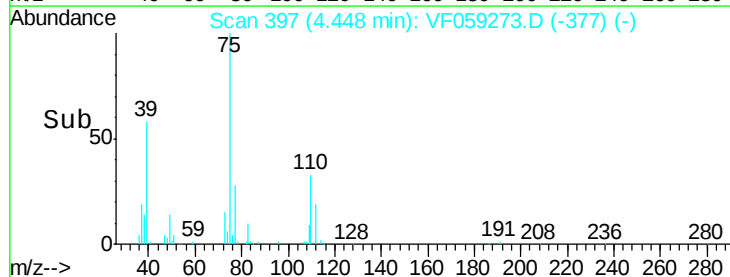
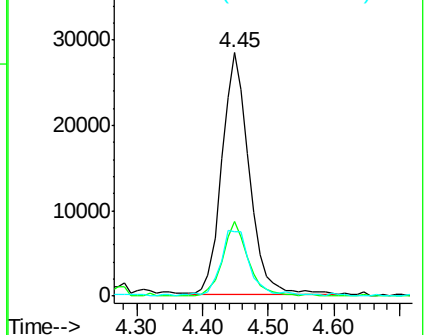
75 100

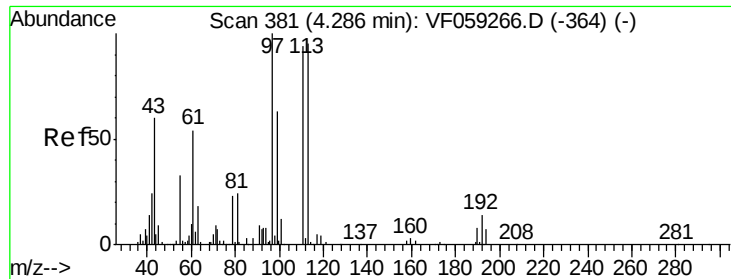
110 30.7 14.5 43.5

77 26.6 25.0 37.6



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

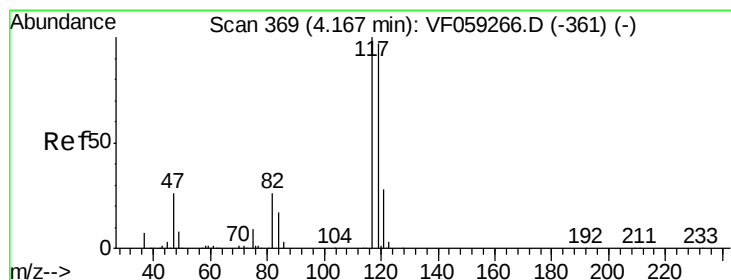
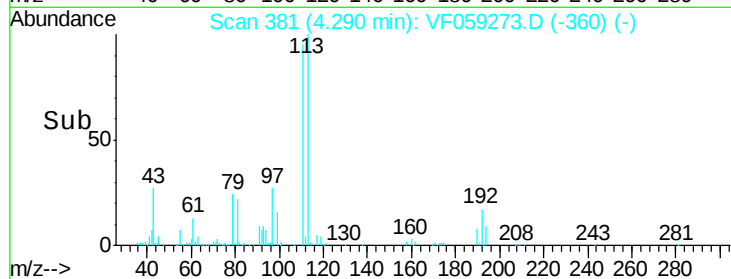
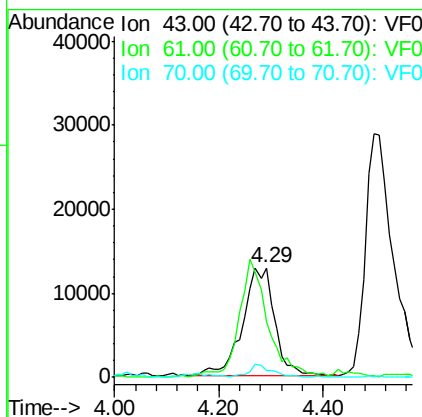
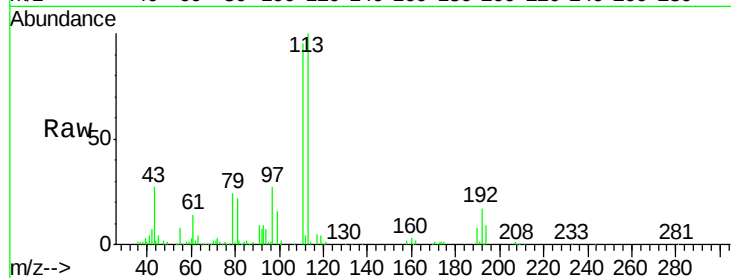




#37
Ethyl Acetate
Concen: 21.90 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF059273.D
Acq: 21 Jun 2018 21:23

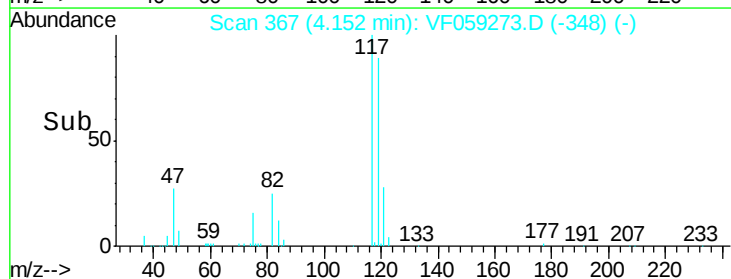
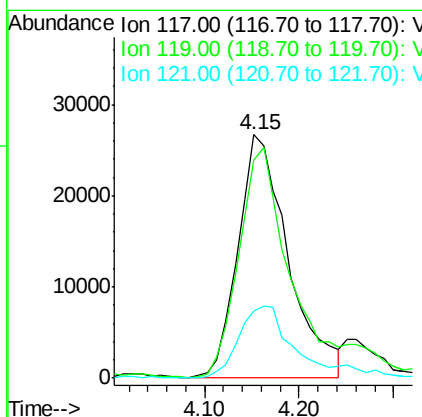
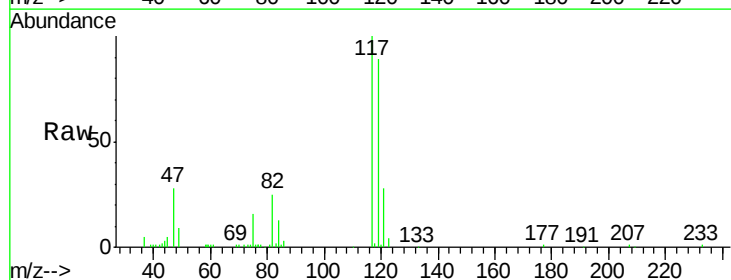
Instrument :
MSVOA_F
ClientSampleId :

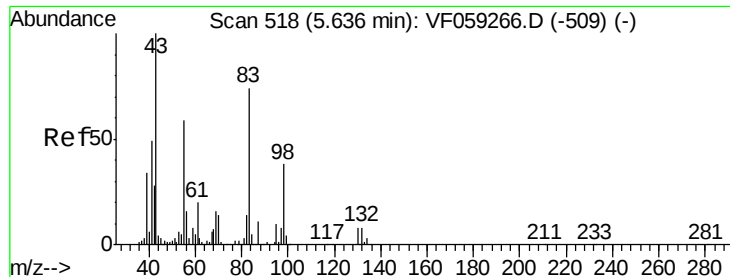
Tot Ion: 43 Resp: 53784
Ion Ratio Lower Upper
43 100
61 50.4 71.6 107.4#
70 6.6 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 20.89 ug/l
RT: 4.15 min Scan# 367
Delta R.T. -0.02 min
Lab File: VF059273.D
Acq: 21 Jun 2018 21:23

Tgt Ion: 117 Resp: 98642
Ion Ratio Lower Upper
117 100
119 89.5 77.5 116.3
121 27.6 22.2 33.4

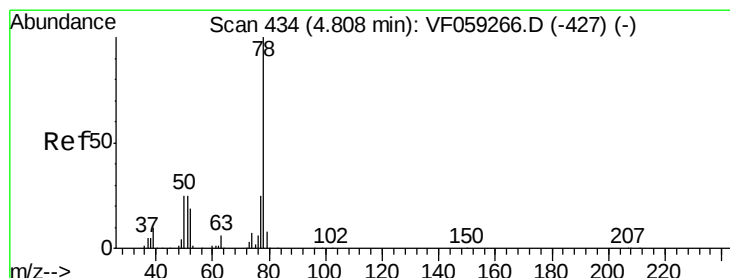
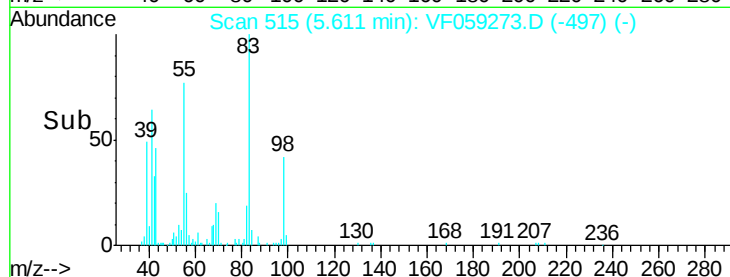
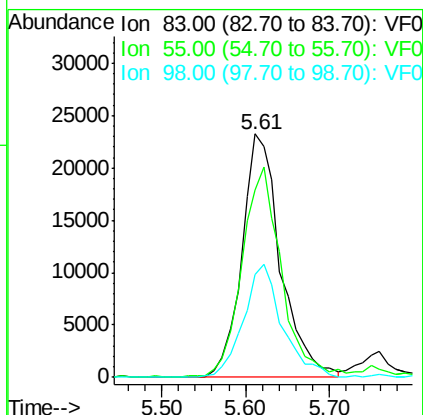
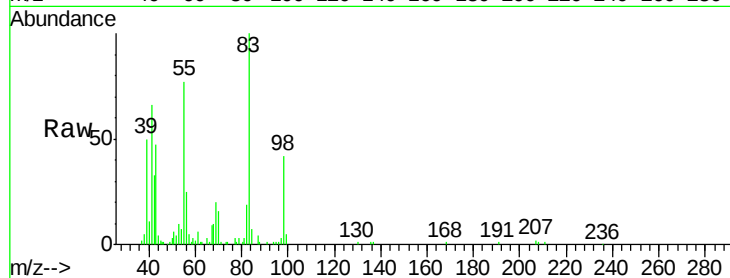




#39
Methvlcvclohexane
Concen: 21.73 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.02 min
Lab File: VF059273.D
Acq: 21 Jun 2018 21:23

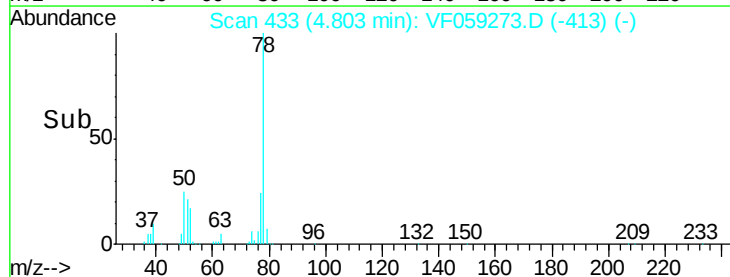
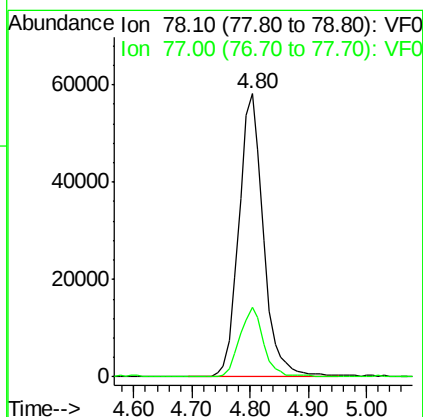
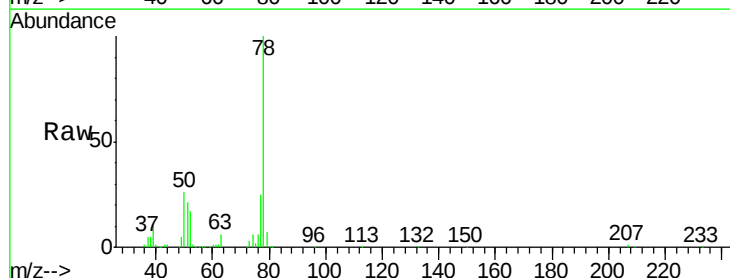
Instrument :
MSVOA_F
ClientSampleId :

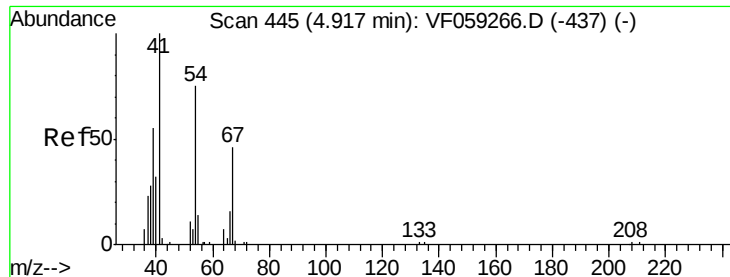
Tot Ion: 83 Resp: 74723
Ion Ratio Lower Upper
83 100
55 76.7 63.7 95.5
98 42.2 41.6 62.4



#40
Benzene
Concen: 20.89 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059273.D
Acq: 21 Jun 2018 21:23

Tgt Ion: 78 Resp: 170355
Ion Ratio Lower Upper
78 100
77 24.5 20.4 30.6





#41

Methacrylonitrile

Concen: 21.96 ug/l

RT: 4.91 min Scan# 444

Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

Instrument :

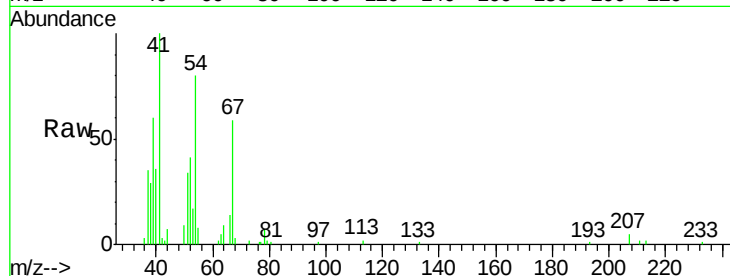
MSVOA_F

ClientSampleId :

Tot Ion: 41 Resp: 25766

Ion Ratio Lower Upper

41	100		
39	59.9	57.0	85.6
67	59.1	36.8	55.2#
52	40.7	37.7	56.5

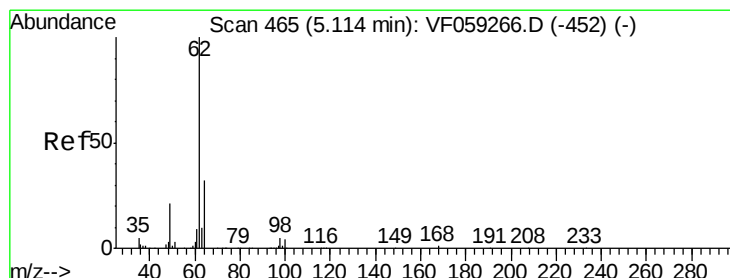
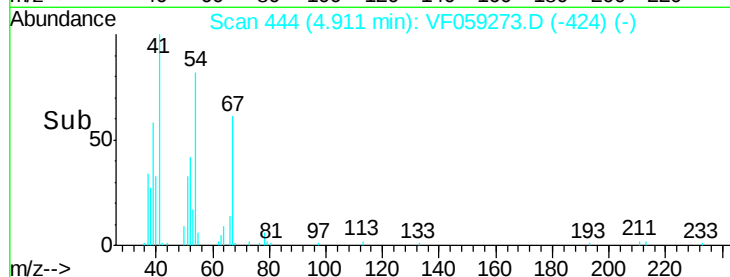
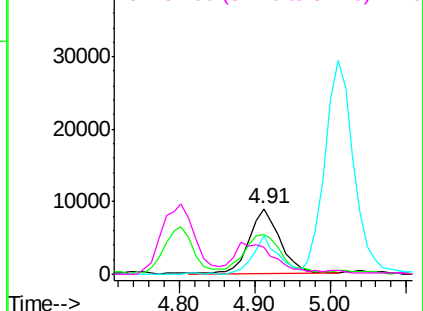


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 20.27 ug/l

RT: 5.11 min Scan# 464

Delta R.T. -0.01 min

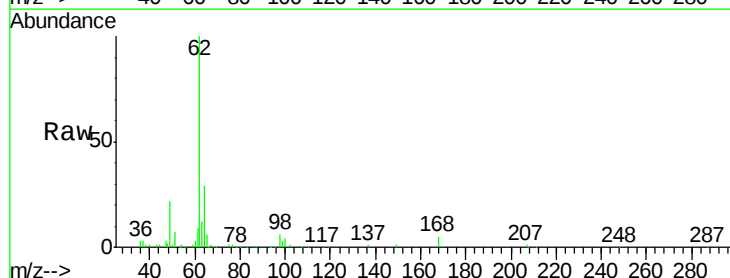
Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

Tgt Ion: 62 Resp: 95213

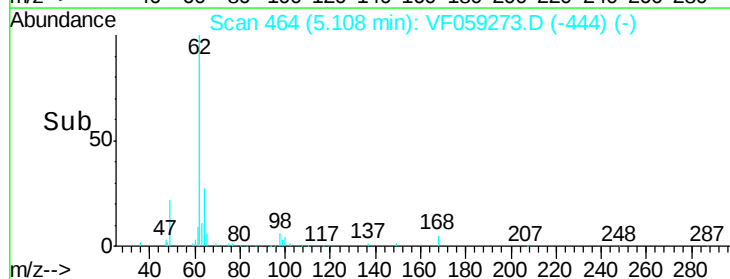
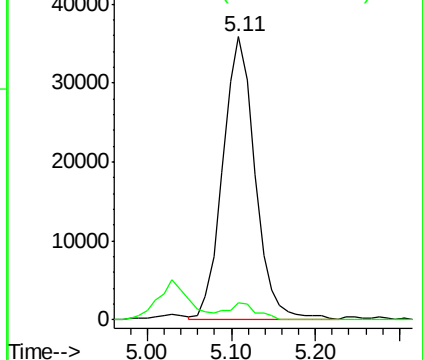
Ion Ratio Lower Upper

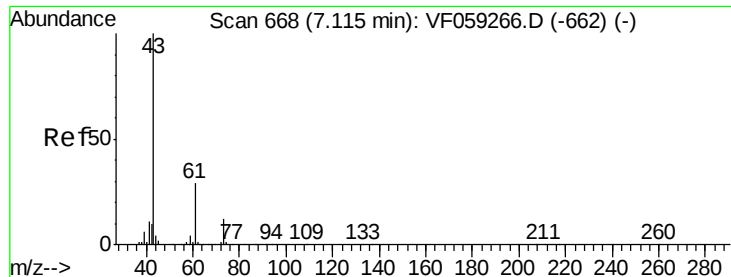
62	100		
98	5.9	0.0	10.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



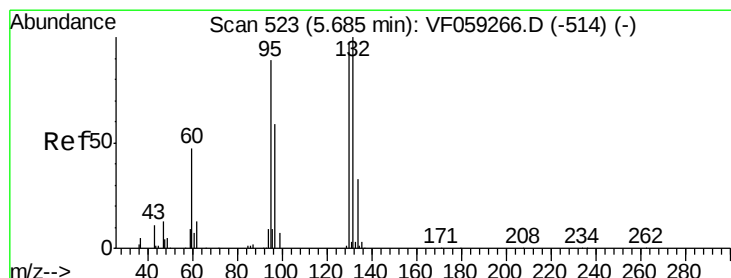
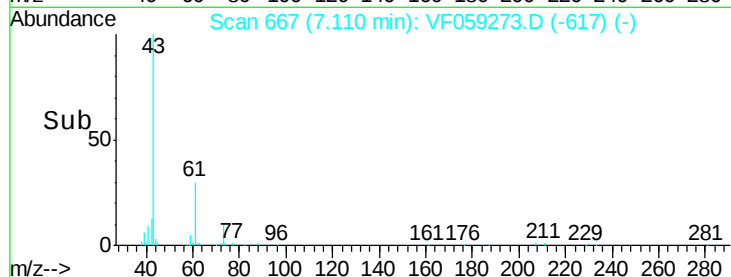
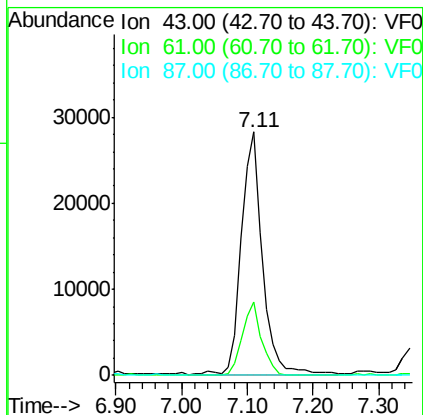
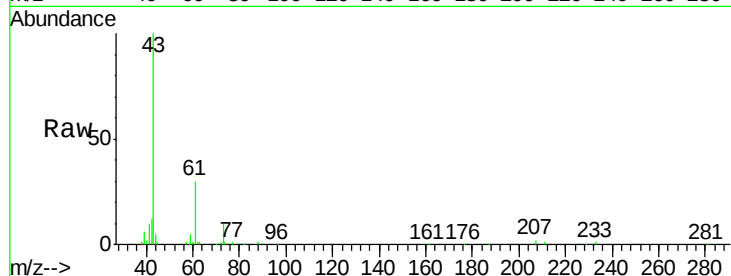


#43

Isopropyl Acetate
 Concen: 20.93 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF059273.D
 Acq: 21 Jun 2018 21:23

Instrument :
 MSVOA_F
 ClientSampleId :

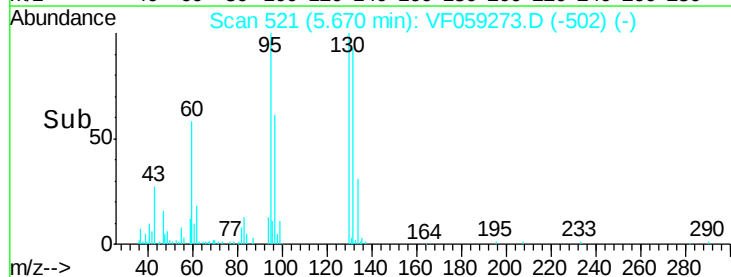
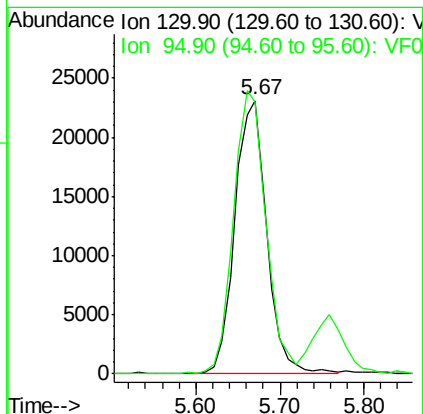
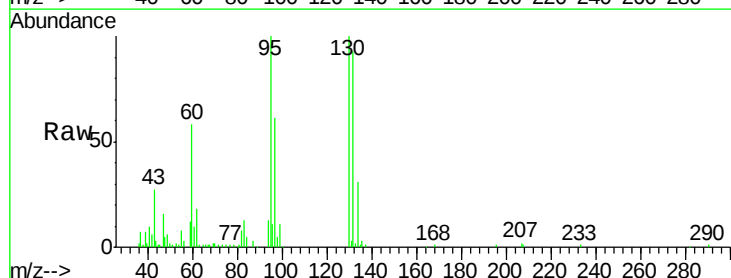
Tot Ion: 43 Resp: 62984
 Ion Ratio Lower Upper
 43 100
 61 30.0 22.8 34.2
 87 0.0 0.3 0.5#

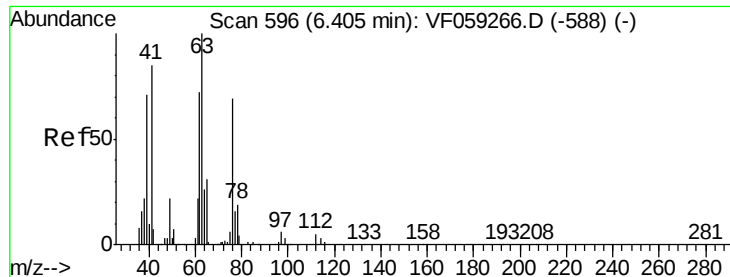


#44

Trichloroethene
 Concen: 21.53 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.02 min
 Lab File: VF059273.D
 Acq: 21 Jun 2018 21:23

Tgt Ion: 130 Resp: 60848
 Ion Ratio Lower Upper
 130 100
 95 99.7 0.0 183.6





#45

1,2-Dichloropropane

Concen: 22.69 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

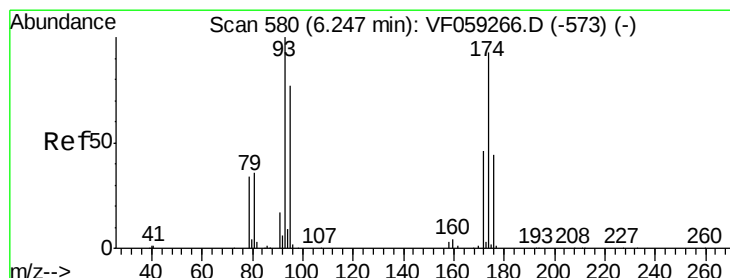
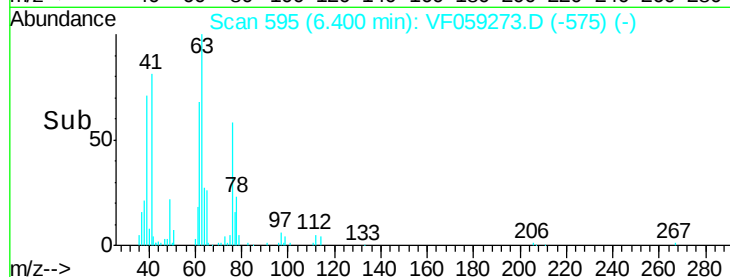
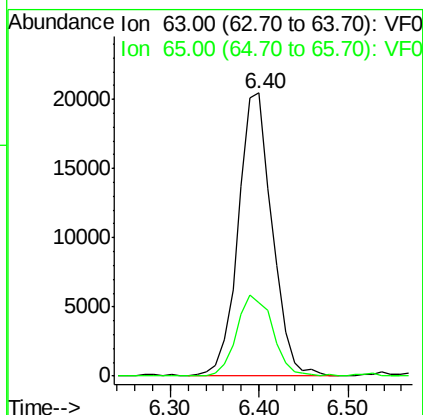
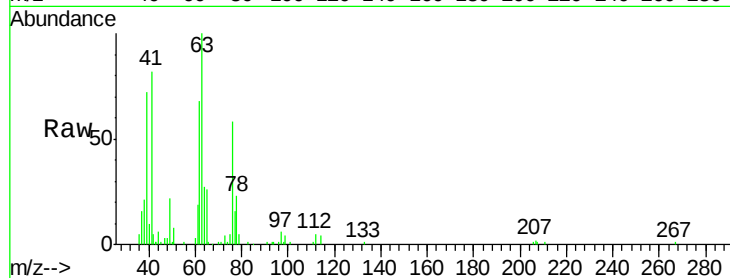
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 53979

Ion Ratio Lower Upper

63 100

65 26.6 25.3 37.9



#46

Dibromomethane

Concen: 21.65 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

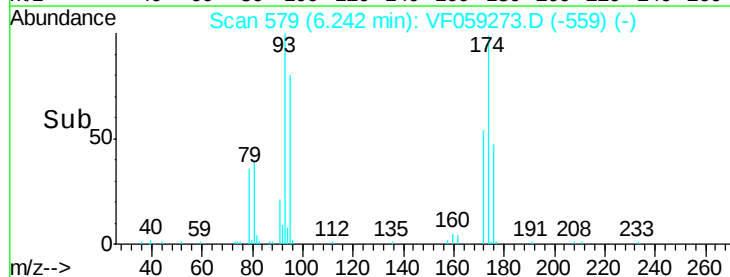
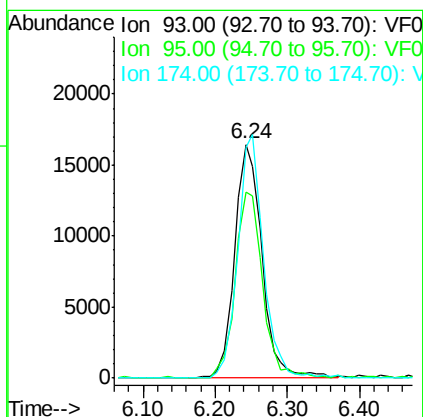
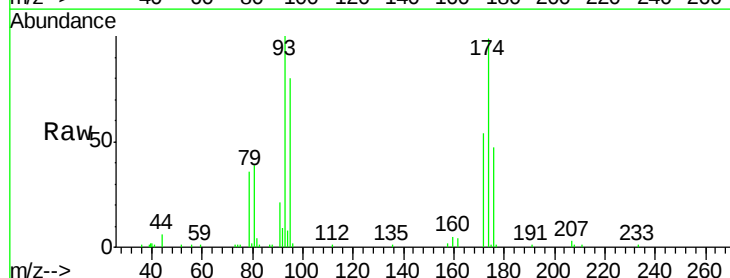
Tgt Ion: 93 Resp: 43476

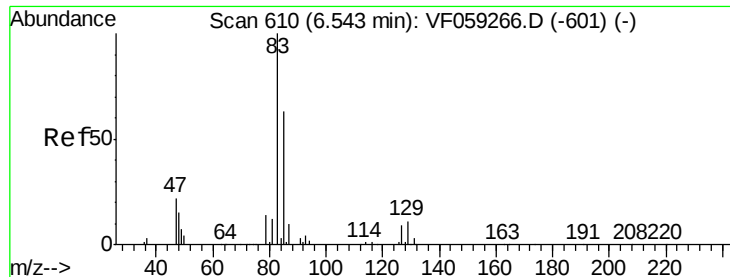
Ion Ratio Lower Upper

93 100

95 79.6 61.8 92.6

174 100.0 74.4 111.6





#47

Bromodichloromethane

Concen: 21.17 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

Instrument :
MSVOA_F
ClientSampleId :

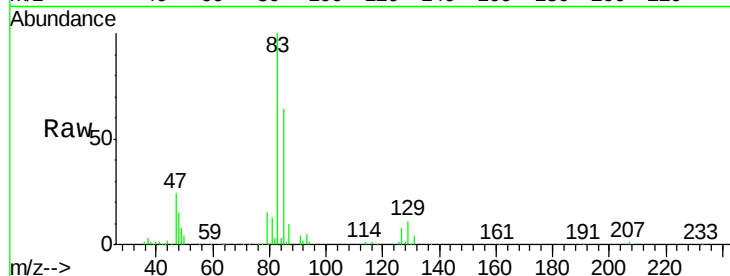
Tot Ion: 83 Resp: 101764

Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.3	75.5
127	7.9	7.0	10.4

83 100

85 63.9 50.3 75.5

127 7.9 7.0 10.4



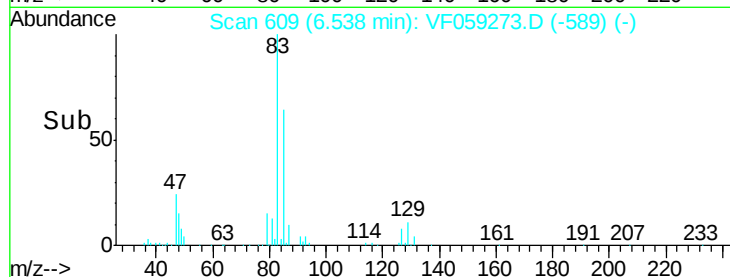
Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

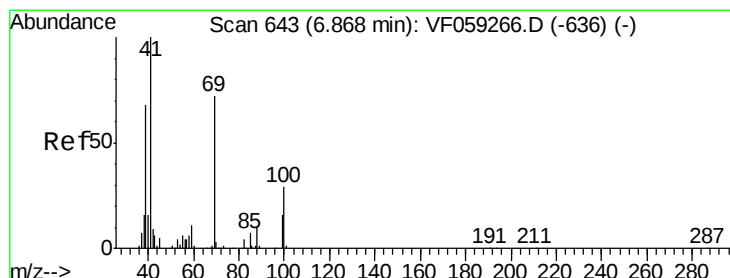
Ion 127.00 (126.70 to 127.70): V

6.54

Time-->



Time-->



#48

Methyl methacrylate

Concen: 19.32 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

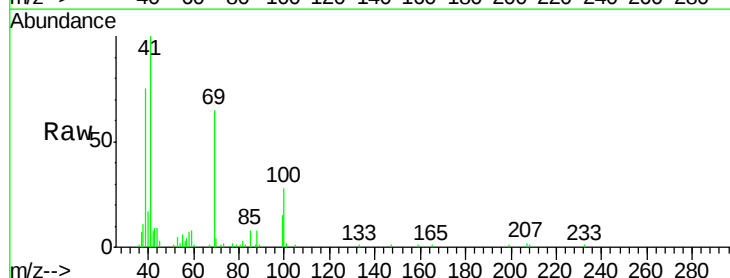
Tgt Ion: 41 Resp: 36805

Ion	Ratio	Lower	Upper
41	100		
69	64.7	57.4	86.2
39	75.4	54.8	82.2

41 100

69 64.7 57.4 86.2

39 75.4 54.8 82.2



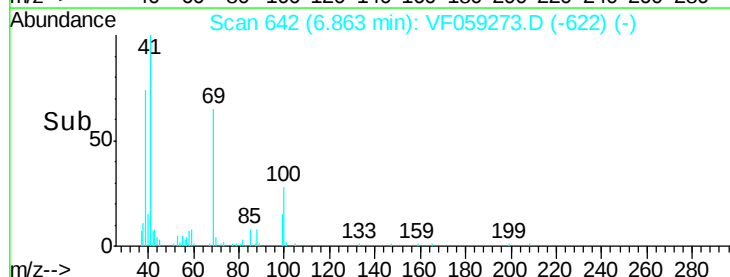
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

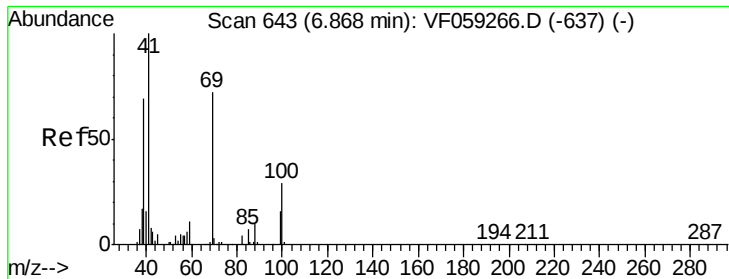
Ion 39.00 (38.70 to 39.70): VF0

6.86

Time-->



Time-->



#49

1,4-Dioxane

Concen: 375.06 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

Instrument :

MSVOA_F

ClientSampleId :

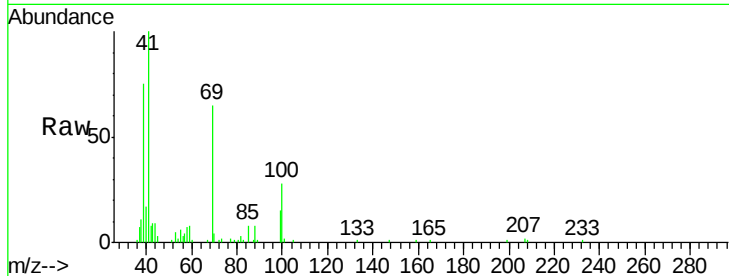
Tot Ion: 88 Resp: 4144

Ion Ratio Lower Upper

88 100

43 114.7 55.5 83.3#

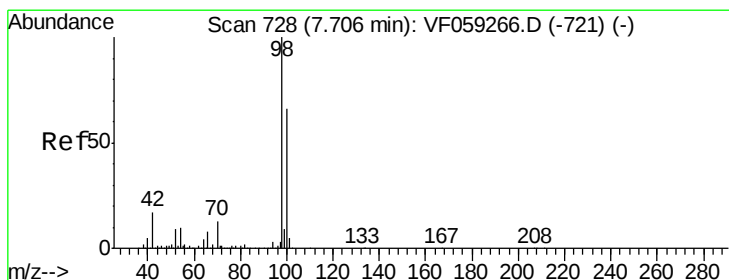
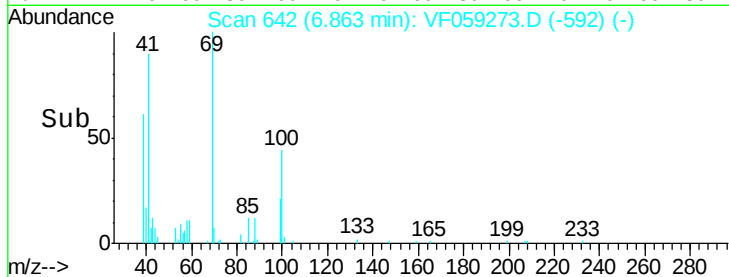
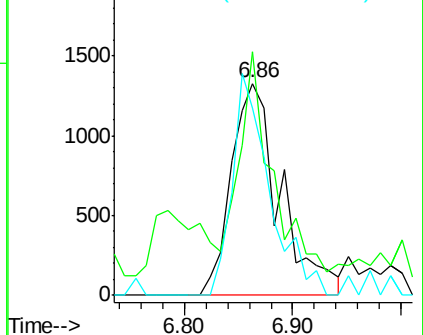
58 88.3 50.1 75.1#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 47.28 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.01 min

Lab File: VF059273.D

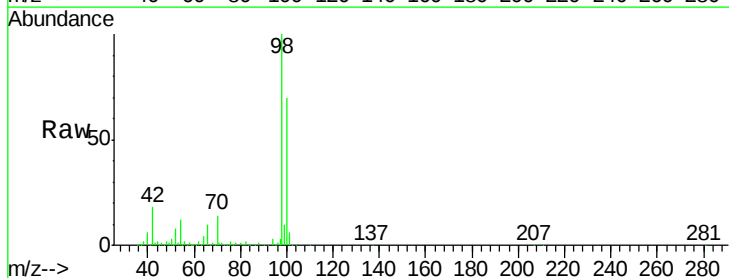
Acq: 21 Jun 2018 21:23

Tgt Ion: 98 Resp: 370077

Ion Ratio Lower Upper

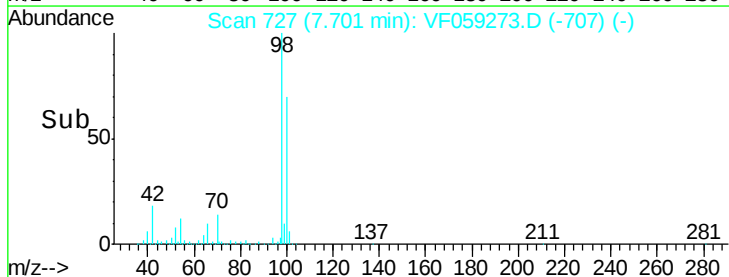
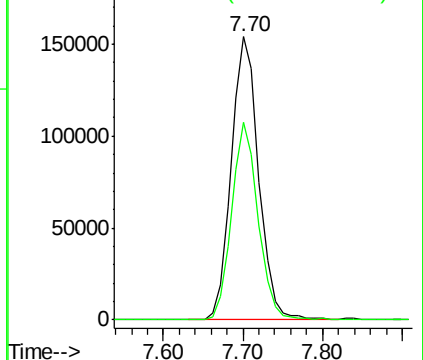
98 100

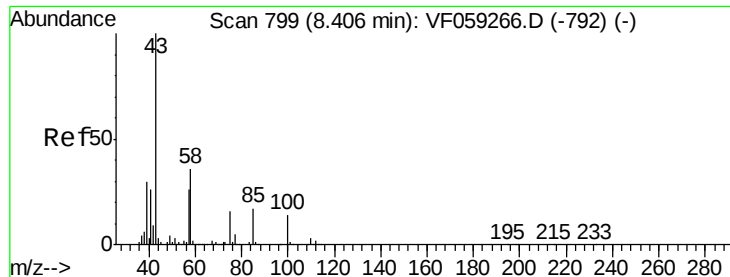
100 70.0 52.8 79.2



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: 111.81 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

Instrument :

MSVOA_F

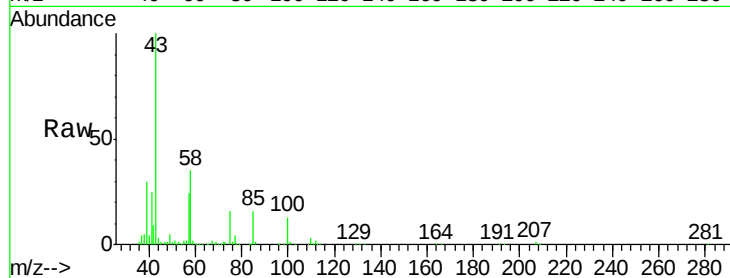
ClientSampleId :

Tot Ion: 43 Resp: 239961

Ion Ratio Lower Upper

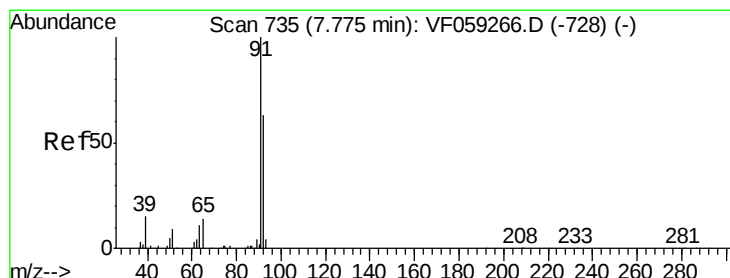
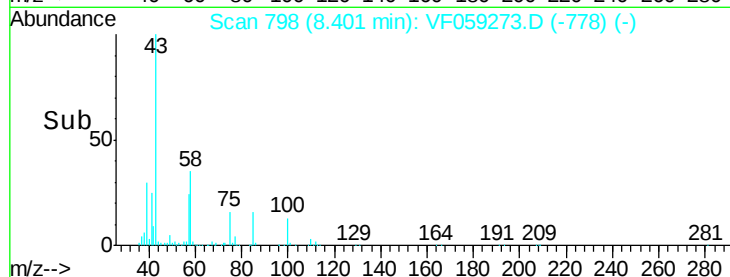
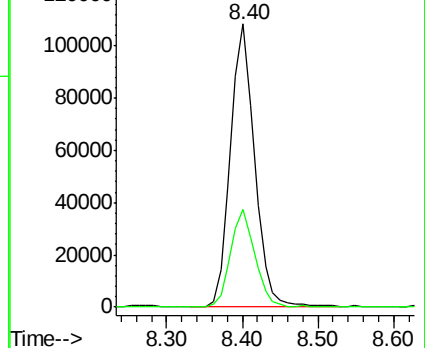
43 100

58 34.6 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.33 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059273.D

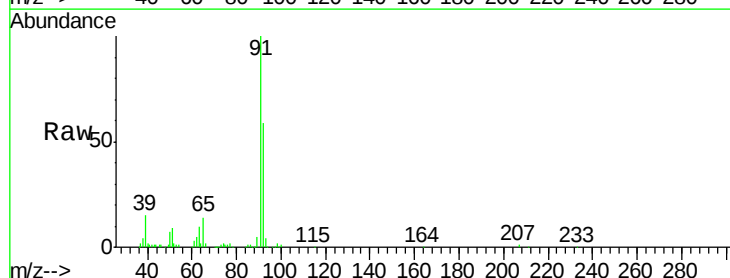
Acq: 21 Jun 2018 21:23

Tgt Ion: 92 Resp: 127953

Ion Ratio Lower Upper

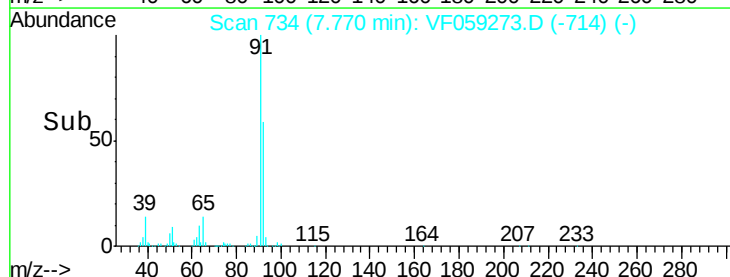
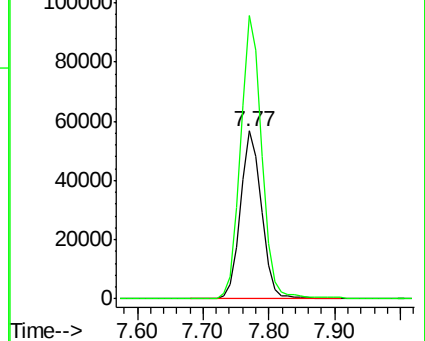
92 100

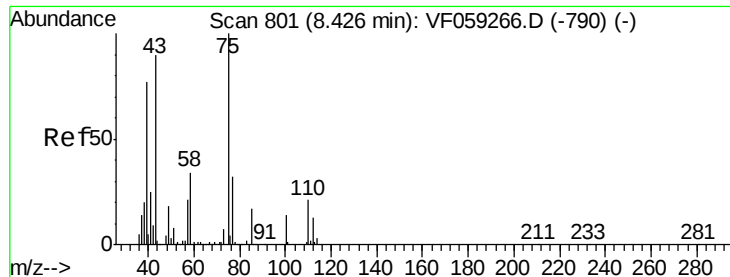
91 168.7 127.8 191.6



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 20.27 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

Instrument :

MSVOA_F

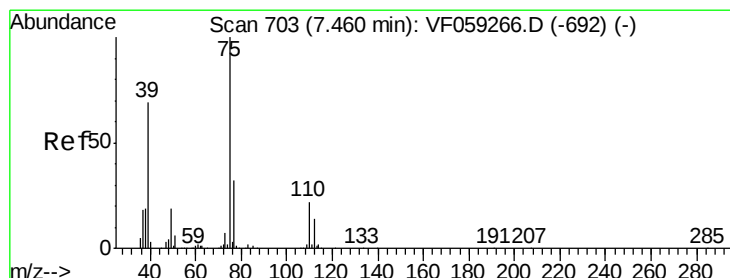
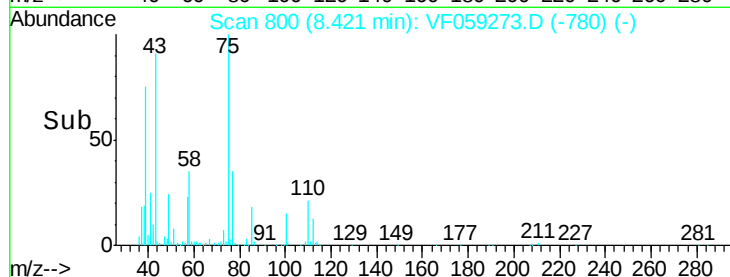
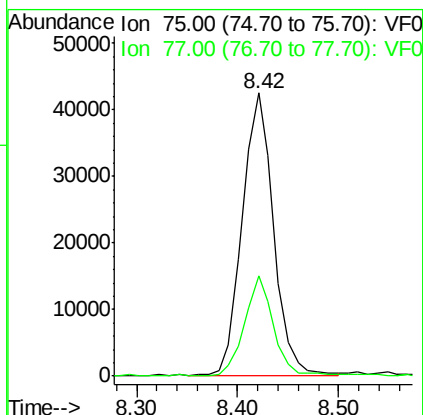
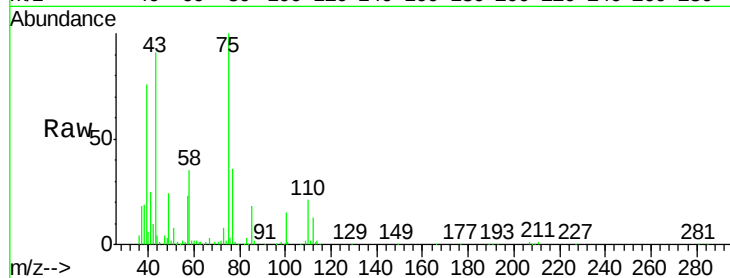
ClientSampleId :

Tot Ion: 75 Resp: 91482

Ion Ratio Lower Upper

75 100

77 35.5 26.1 39.1



#54

cis-1,3-Dichloropropene

Concen: 21.36 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

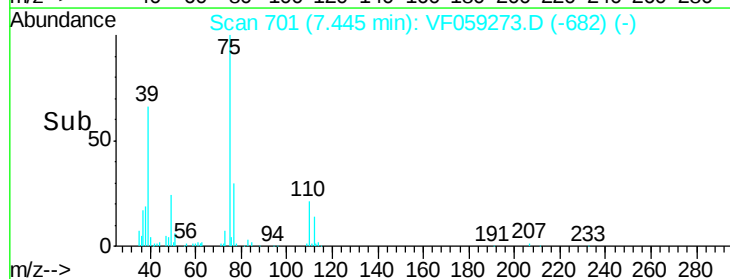
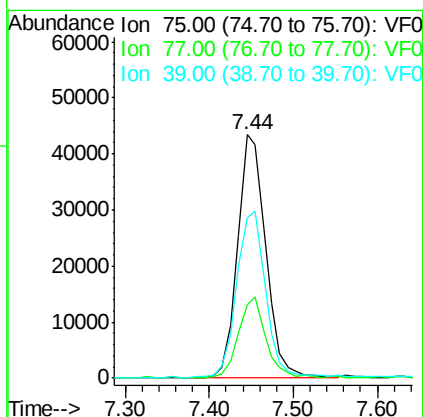
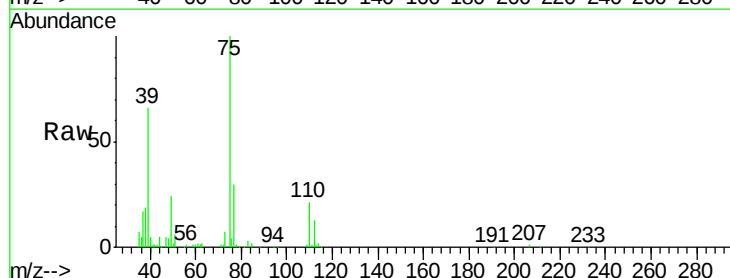
Tgt Ion: 75 Resp: 101814

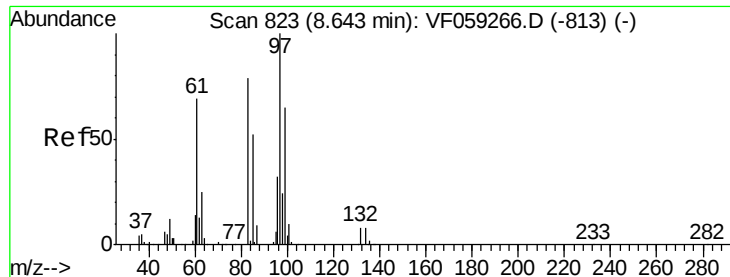
Ion Ratio Lower Upper

75 100

77 30.4 26.0 39.0

39 65.9 55.5 83.3





#55

1,1,2-Trichloroethane

Concen: 20.50 ug/l

RT: 8.63 min Scan# 821

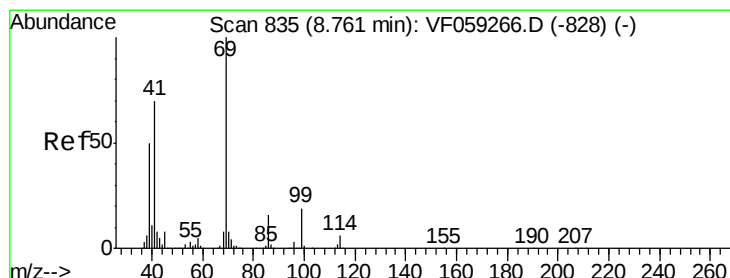
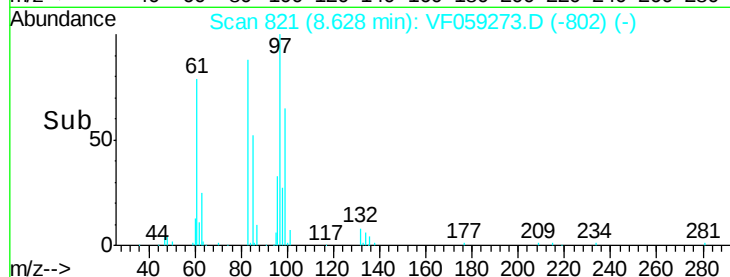
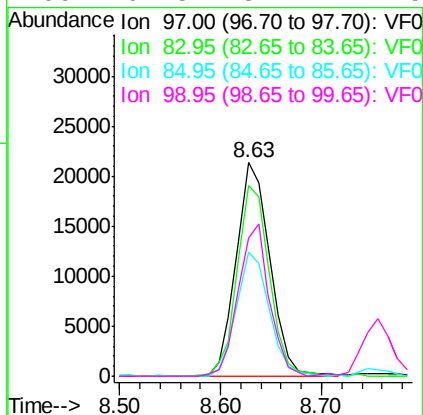
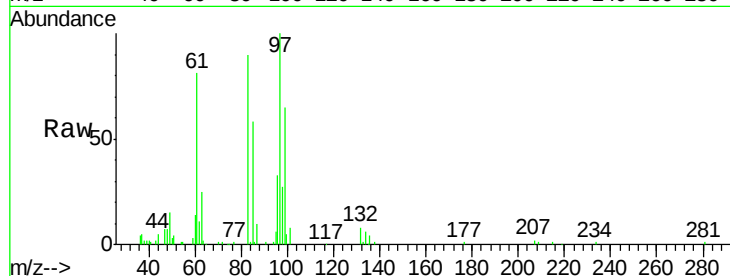
Delta R.T. -0.02 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	97	Resp:	49812
Ion	Ratio	Lower	Upper
97	100		
83	89.5	63.2	94.8
85	58.4	41.8	62.6
99	64.5	51.7	77.5



#56

Ethyl methacrylate

Concen: 21.26 ug/l

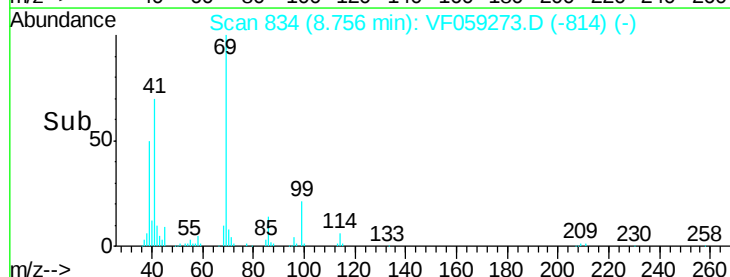
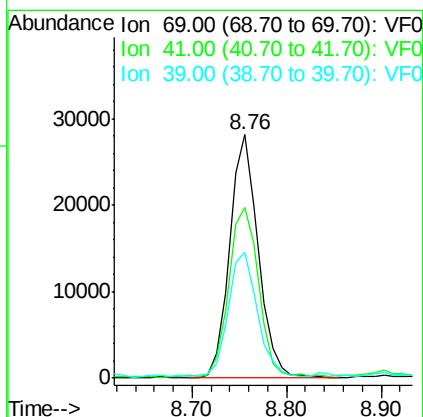
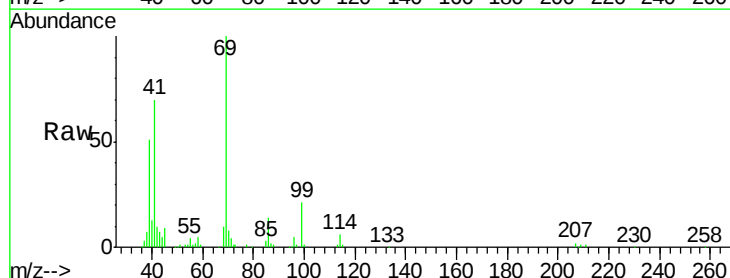
RT: 8.76 min Scan# 834

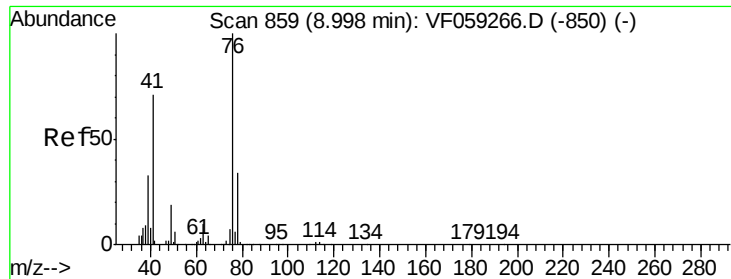
Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

Tgt Ion:	69	Resp:	59063
Ion	Ratio	Lower	Upper
69	100		
41	70.3	56.6	85.0
39	51.5	40.5	60.7

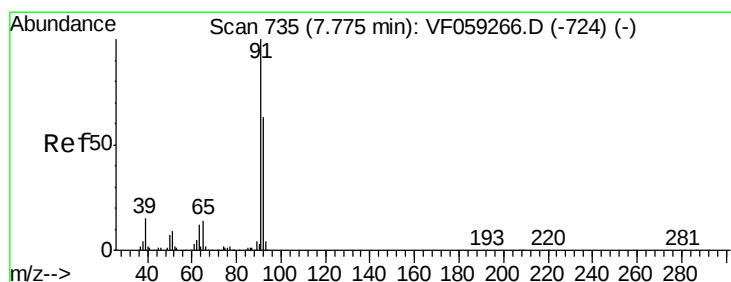
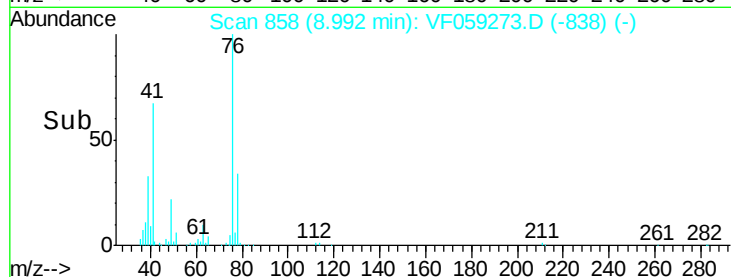
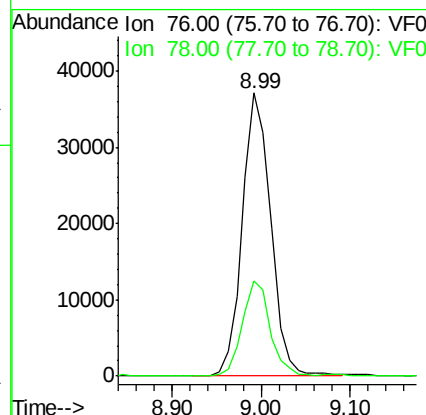
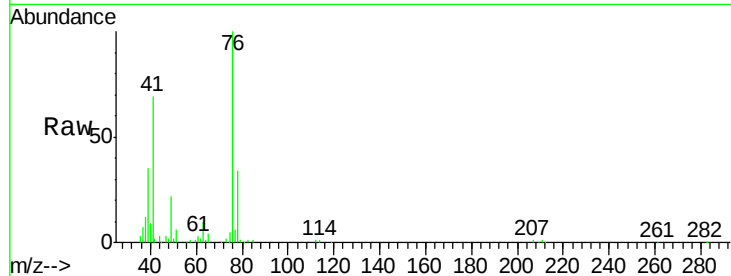




#57
 1,3-Dichloropropane
 Concen: 20.58 ug/l
 RT: 8.99 min Scan# 858
 Delta R.T. -0.01 min
 Lab File: VF059273.D
 Acq: 21 Jun 2018 21:23

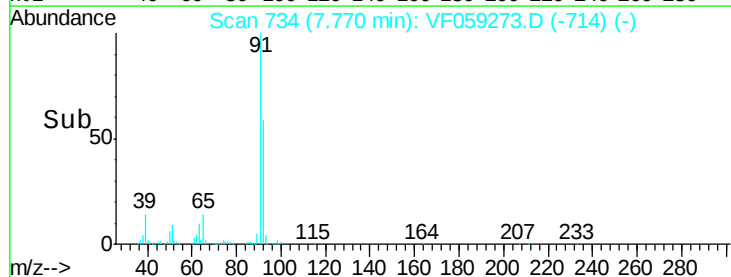
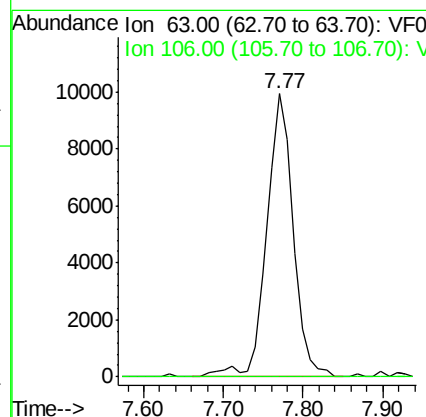
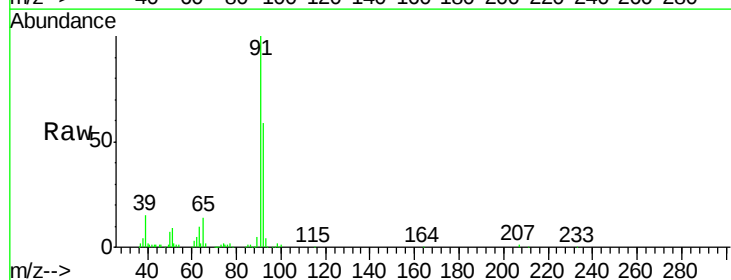
Instrument :
 MSVOA_F
 ClientSampleId :

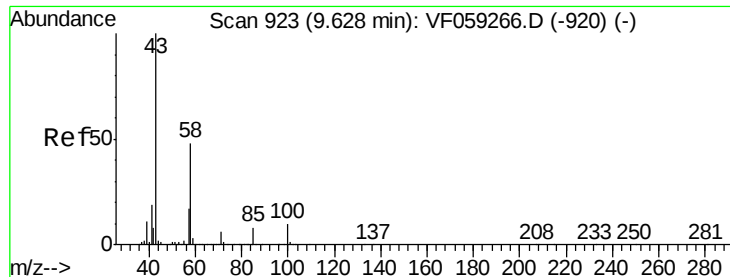
Tot Ion: 76 Resp: 82703
 Ion Ratio Lower Upper
 76 100
 78 33.6 27.5 41.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.08 ug/l
 RT: 7.77 min Scan# 734
 Delta R.T. -0.01 min
 Lab File: VF059273.D
 Acq: 21 Jun 2018 21:23

Tgt Ion: 63 Resp: 22900
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0

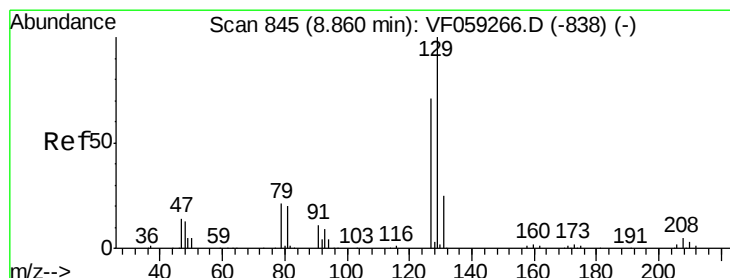
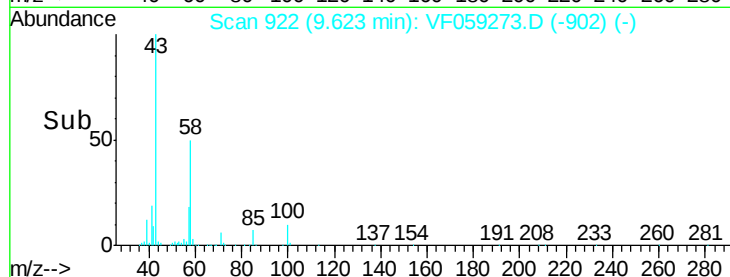
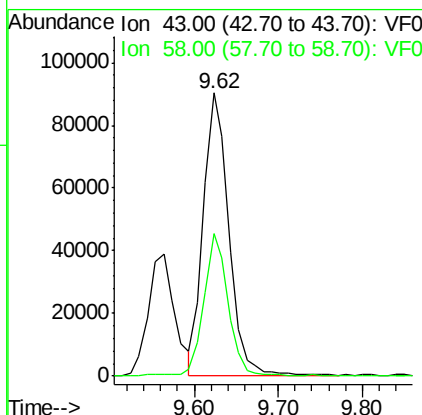
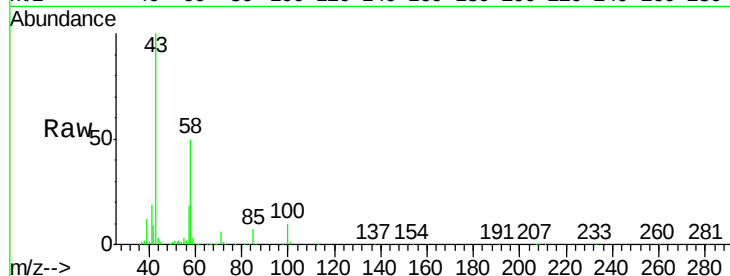




#59
2-Hexanone
Concen: 110.79 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF059273.D
Acq: 21 Jun 2018 21:23

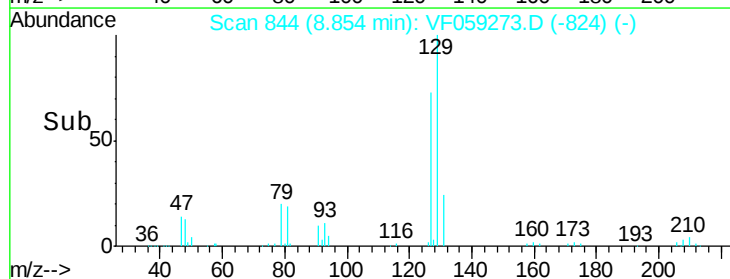
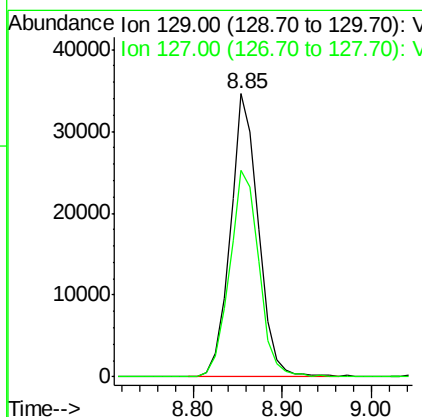
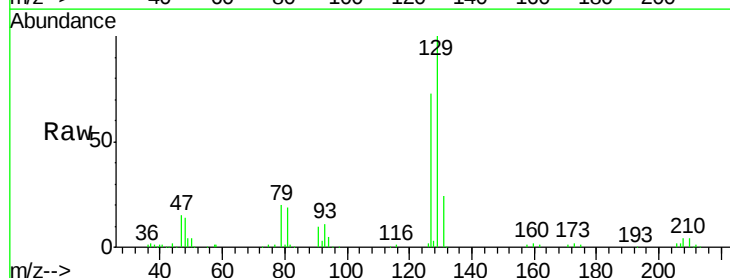
Instrument :
MSVOA_F
ClientSampleId :

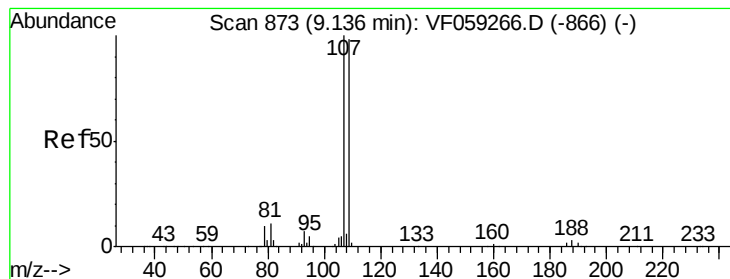
Tot Ion: 43 Resp: 188500
Ion Ratio Lower Upper
43 100
58 50.2 23.3 69.9



#60
Dibromochloromethane
Concen: 21.28 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.01 min
Lab File: VF059273.D
Acq: 21 Jun 2018 21:23

Tgt Ion: 129 Resp: 76064
Ion Ratio Lower Upper
129 100
127 72.8 35.4 106.2





#61

1,2-Dibromoethane

Concen: 20.96 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

Instrument :

MSVOA_F

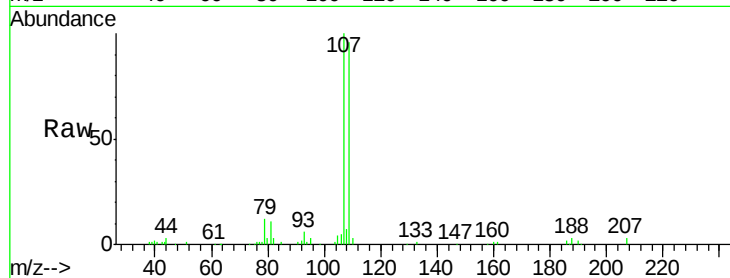
ClientSampleId :

Tot Ion:107 Resp: 58655

Ion Ratio Lower Upper

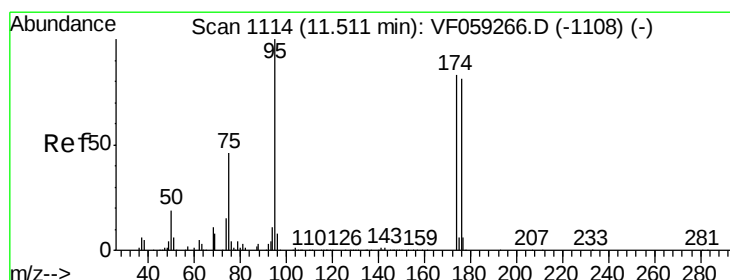
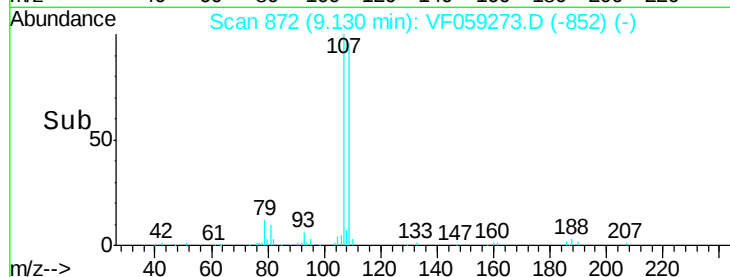
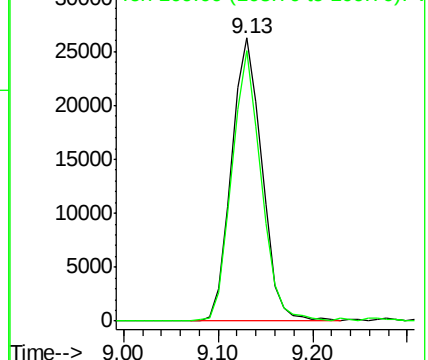
107 100

109 95.5 78.0 117.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 50.13 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

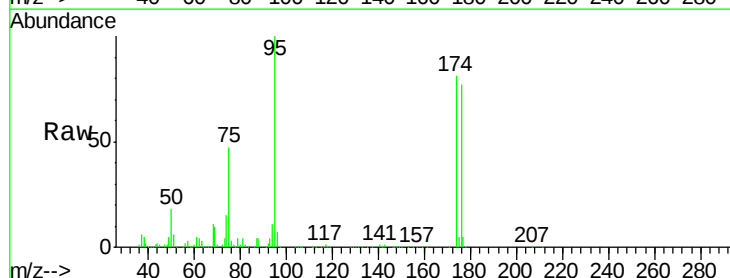
Tgt Ion: 95 Resp: 217576

Ion Ratio Lower Upper

95 100

174 80.5 0.0 166.2

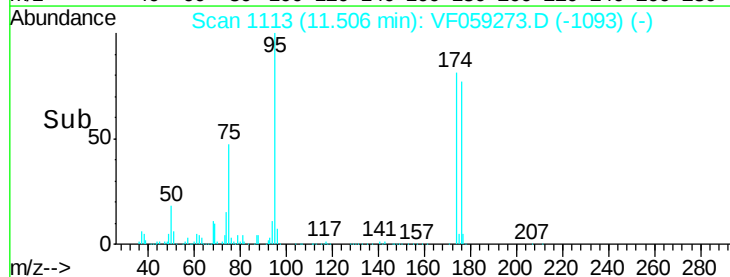
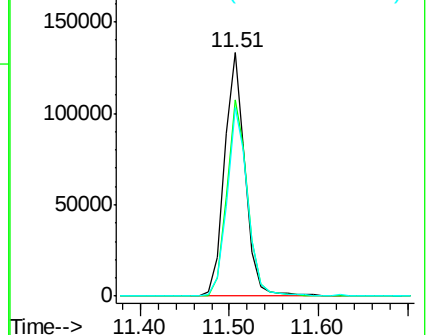
176 77.4 0.0 162.8

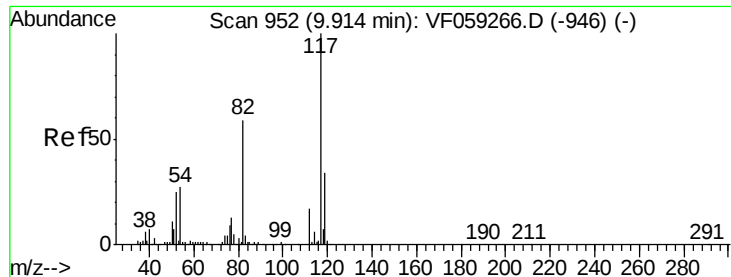


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.91 min Scan# 951

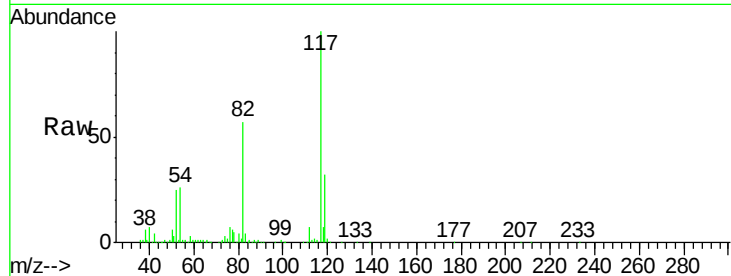
Delta R.T. -0.01 min

Lab File: VF059273.D

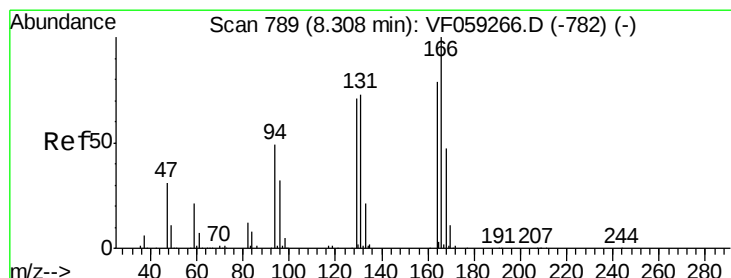
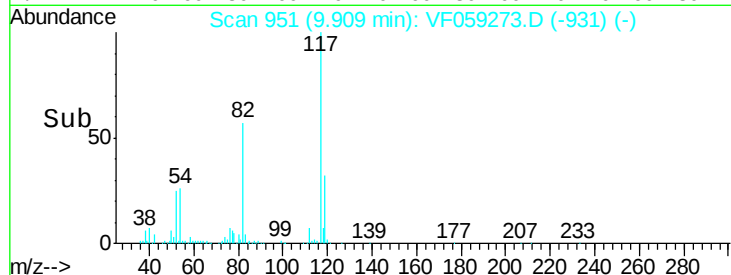
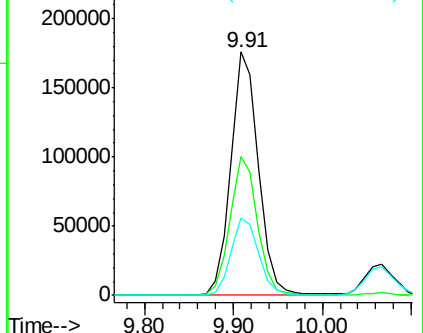
Acq: 21 Jun 2018 21:23

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117	Resp:	384371
Ion Ratio	Lower	Upper
117	100	
82	56.8	47.1 70.7
119	31.8	26.9 40.3



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 21.33 ug/l

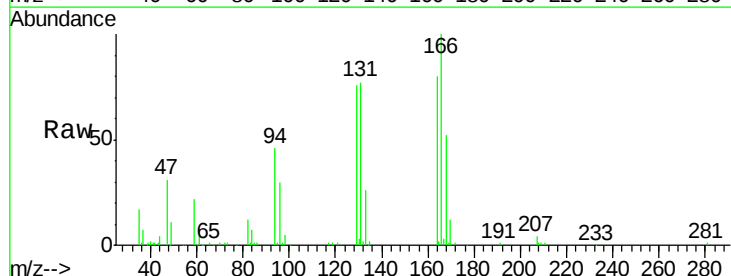
RT: 8.30 min Scan# 788

Delta R.T. -0.01 min

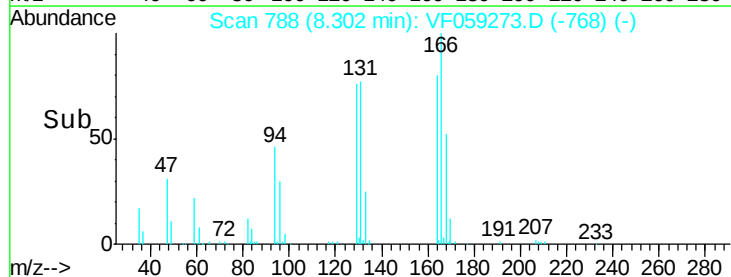
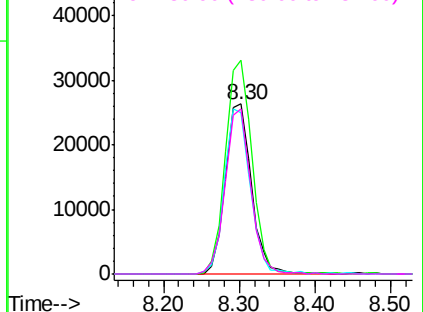
Lab File: VF059273.D

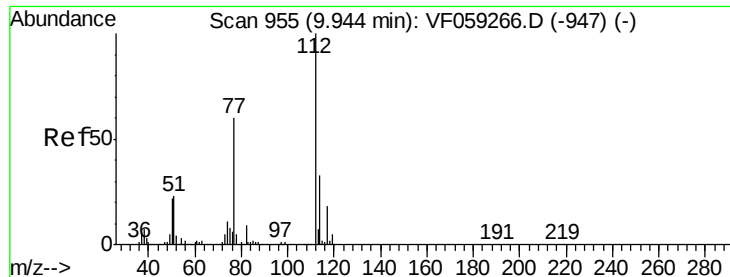
Acq: 21 Jun 2018 21:23

Tgt Ion:164	Resp:	62953
Ion Ratio	Lower	Upper
164	100	
166	122.3	101.4 152.2
129	92.6	72.2 108.4
131	94.3	73.8 110.6



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

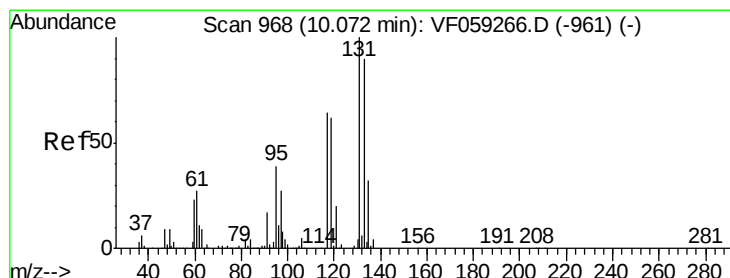
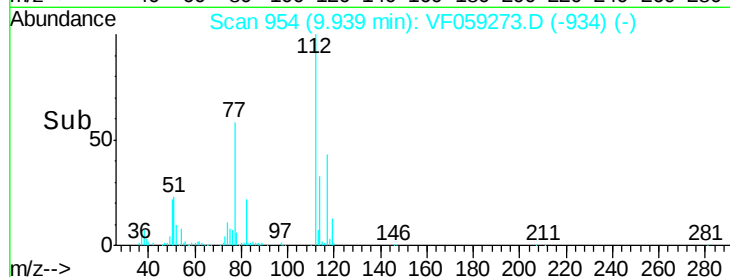
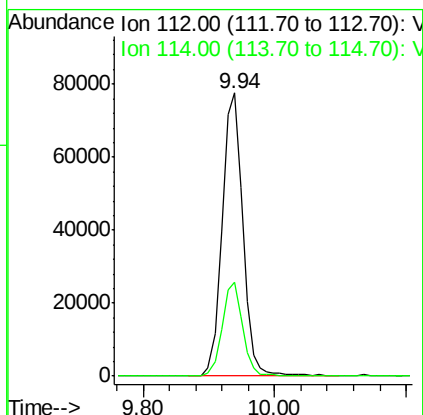
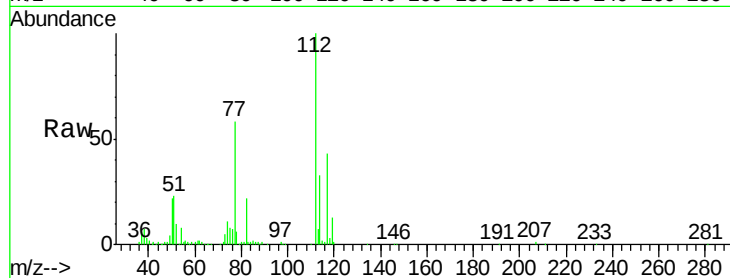




#65
Chlorobenzene
Concen: 20.88 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF059273.D
Acq: 21 Jun 2018 21:23

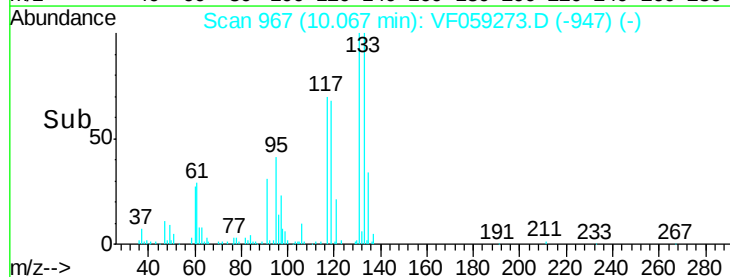
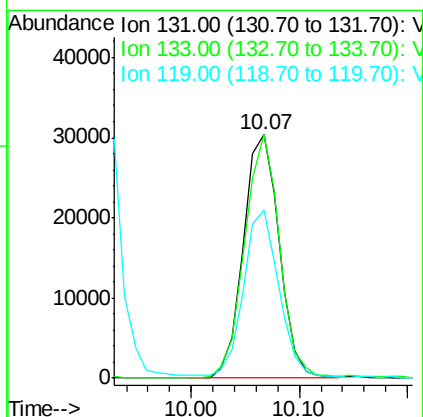
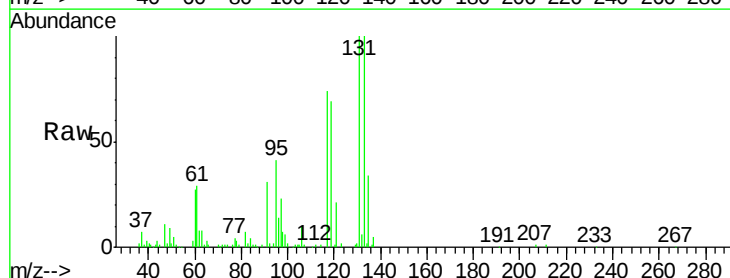
Instrument :
MSVOA_F
ClientSampleId :

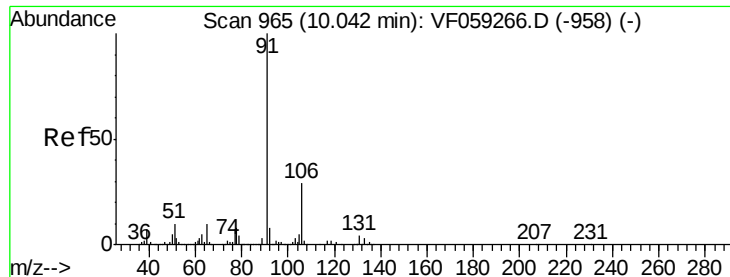
Tot Ion:112 Resp: 170811
Ion Ratio Lower Upper
112 100
114 33.2 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.64 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF059273.D
Acq: 21 Jun 2018 21:23

Tgt Ion:131 Resp: 70320
Ion Ratio Lower Upper
131 100
133 99.8 45.1 135.2
119 69.2 31.2 93.6





#67

Ethyl Benzene

Concen: 21.10 ug/l

RT: 10.04 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

Instrument :

MSVOA_F

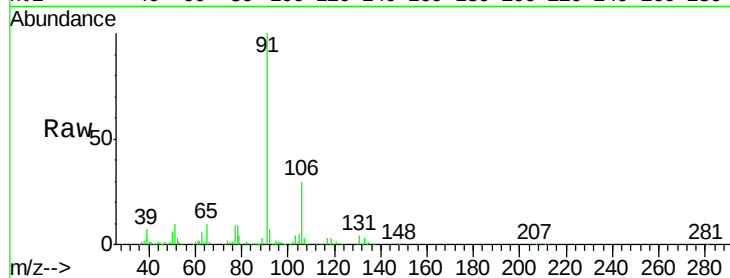
ClientSampleId :

Tot Ion: 91 Resp: 293001

Ion Ratio Lower Upper

91 100

106 30.2 23.4 35.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

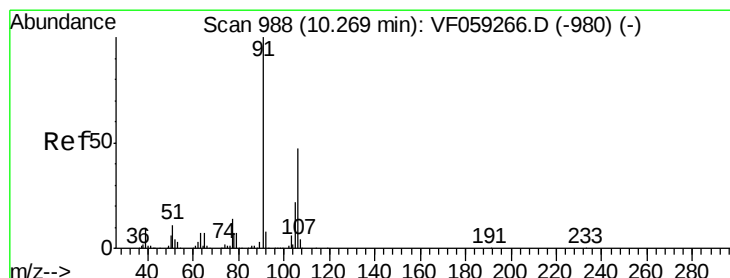
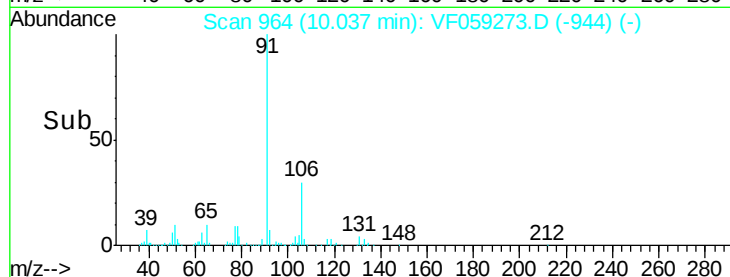
150000

100000

50000

0

Time--> 9.90 10.00 10.10



#68

m/p-Xylenes

Concen: 41.51 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059273.D

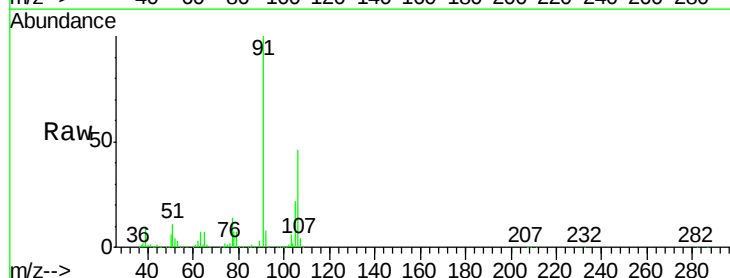
Acq: 21 Jun 2018 21:23

Tgt Ion:106 Resp: 207187

Ion Ratio Lower Upper

106 100

91 216.3 168.8 253.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

250000

200000

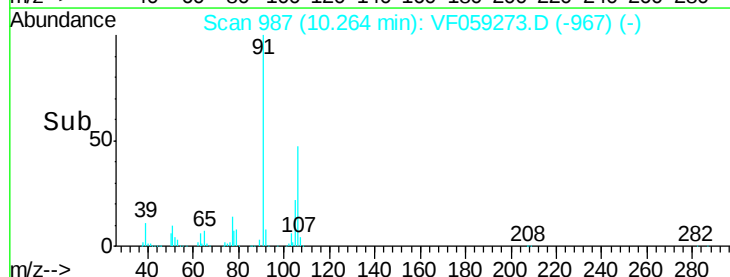
150000

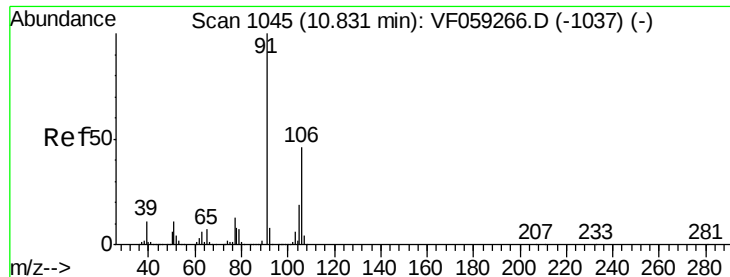
100000

50000

0

Time--> 10.20 10.40

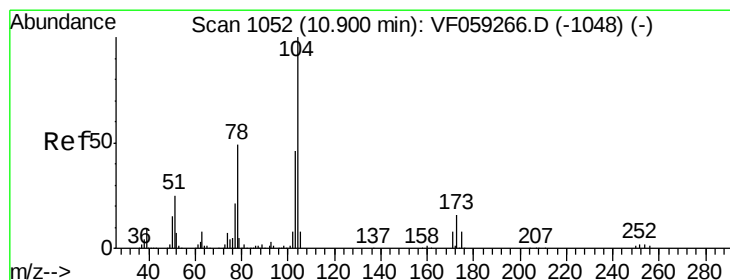
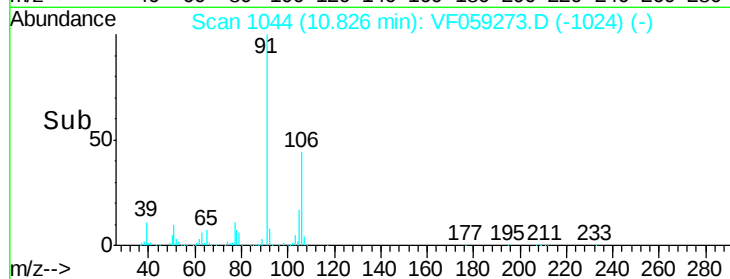
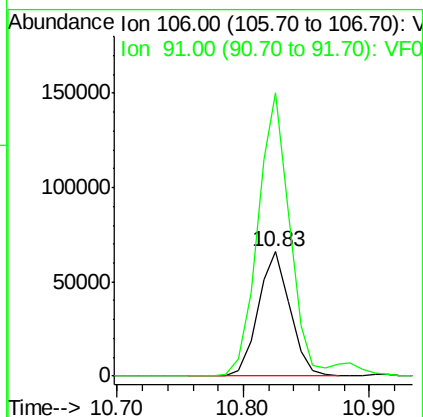
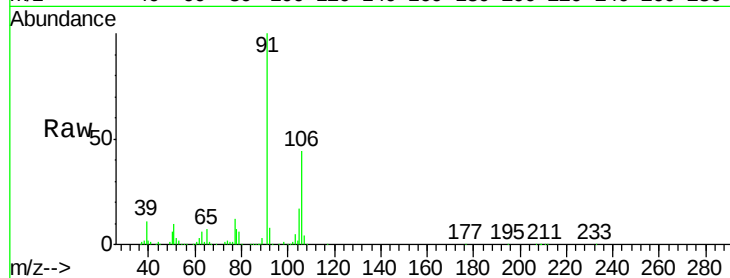




#69
o-Xylene
Concen: 21.08 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059273.D
Acq: 21 Jun 2018 21:23

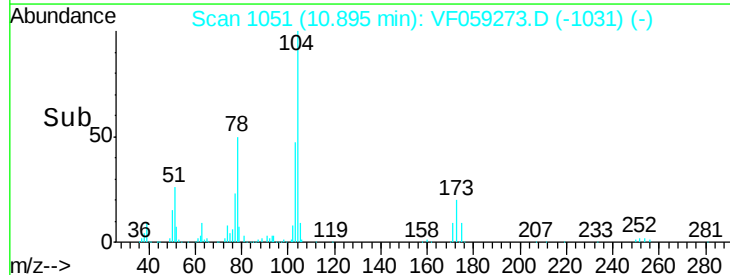
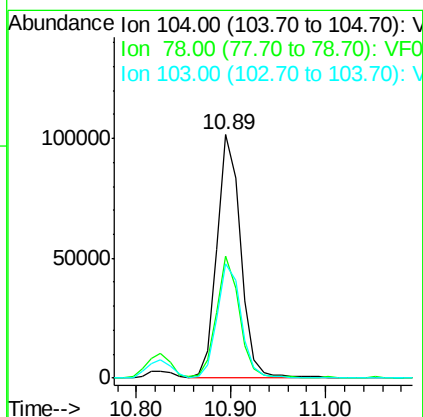
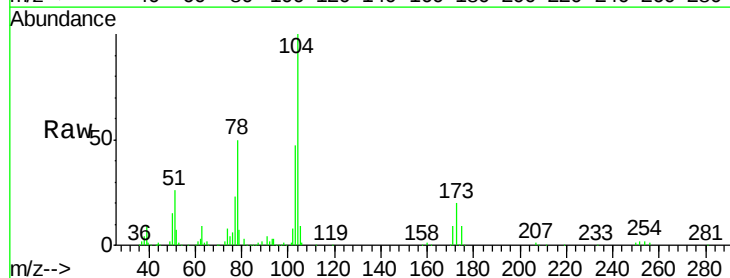
Instrument :
MSVOA_F
ClientSampleId :

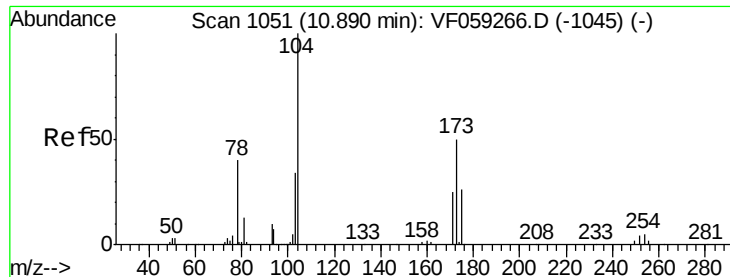
Tot Ion:106 Resp: 116219
Ion Ratio Lower Upper
106 100
91 227.2 109.1 327.4



#70
Styrene
Concen: 21.13 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF059273.D
Acq: 21 Jun 2018 21:23

Tgt Ion:104 Resp: 175645
Ion Ratio Lower Upper
104 100
78 50.2 39.3 58.9
103 47.0 36.6 55.0





#71

Bromoform

Concen: 19.57 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

Instrument :

MSVOA_F

ClientSampleId :

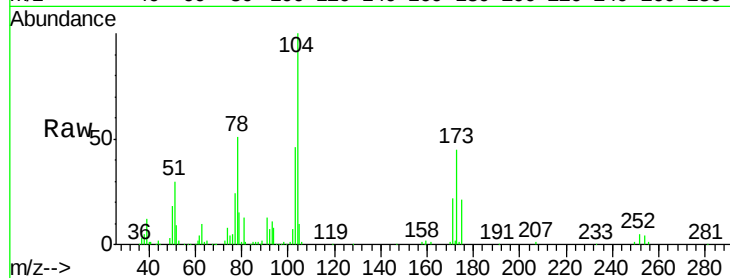
Tot Ion:173 Resp: 47544

Ion Ratio Lower Upper

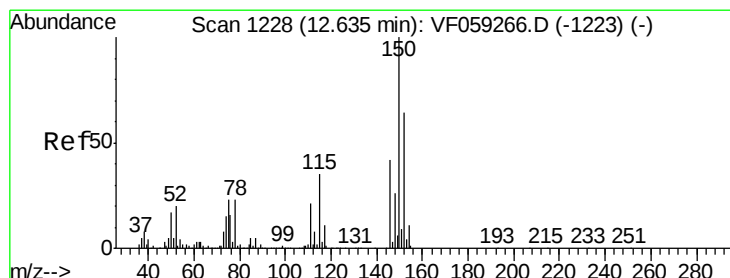
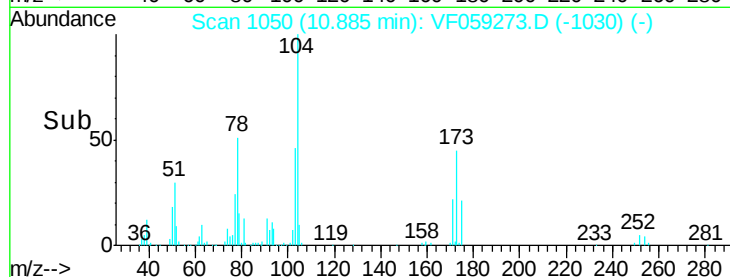
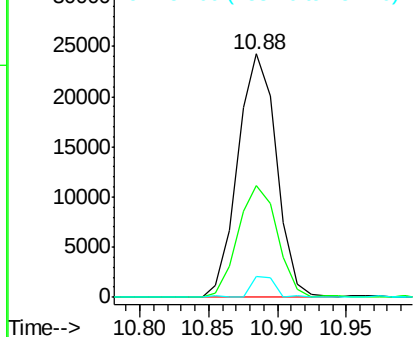
173 100

175 44.6 25.4 76.4

254 8.6 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

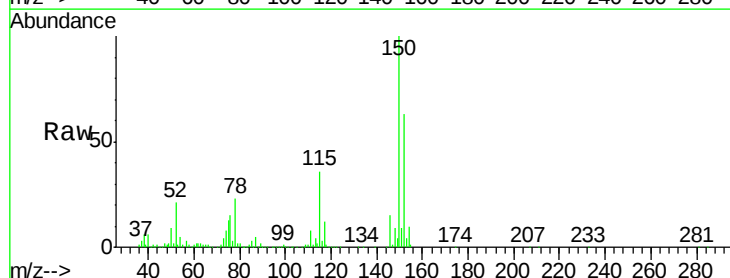
Tgt Ion:152 Resp: 238907

Ion Ratio Lower Upper

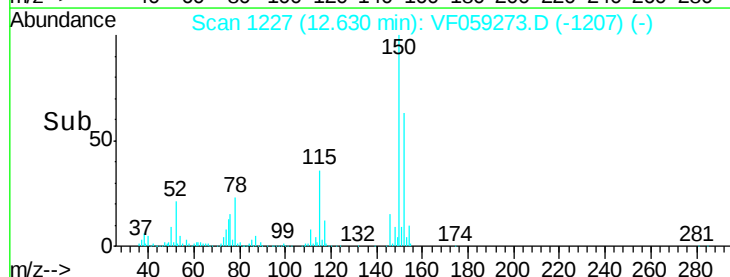
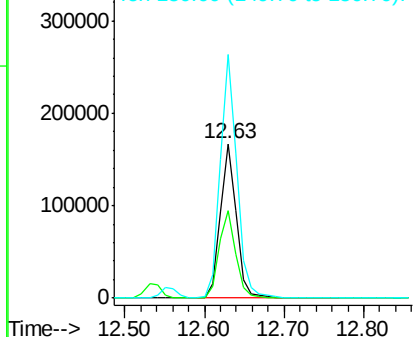
152 100

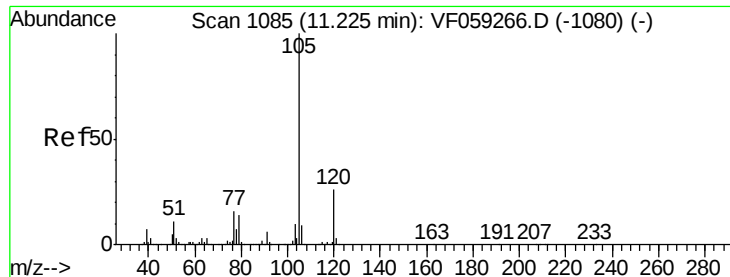
115 56.9 27.8 83.3

150 157.8 0.0 313.8



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: 20.97 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

Instrument :

MSVOA_F

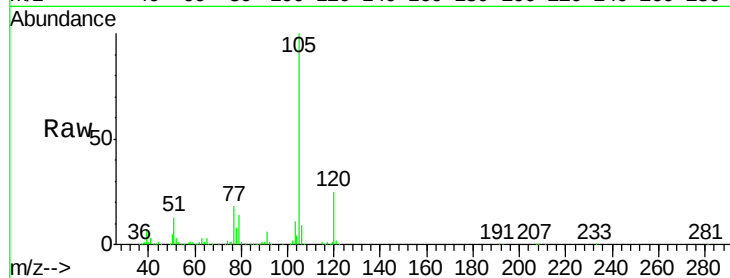
ClientSampleId :

Tot Ion:105 Resp: 345075

Ion Ratio Lower Upper

105 100

120 25.0 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

200000

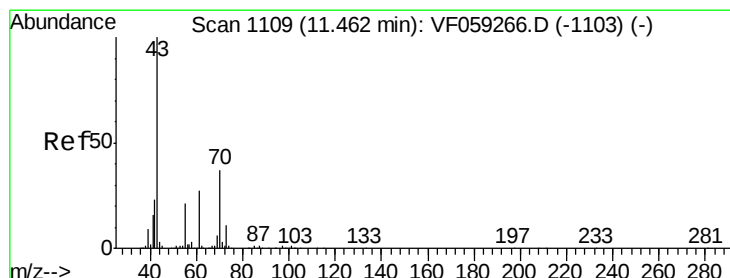
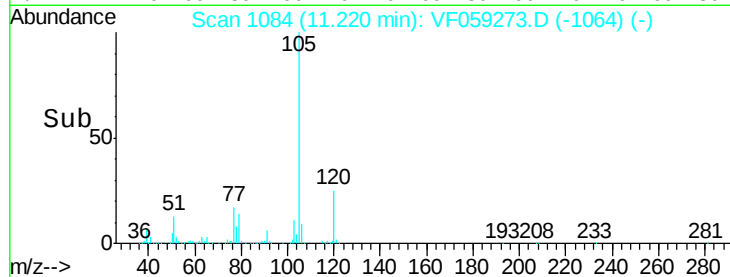
150000

100000

50000

0

Time--> 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 22.92 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

Tgt Ion: 43 Resp: 123170

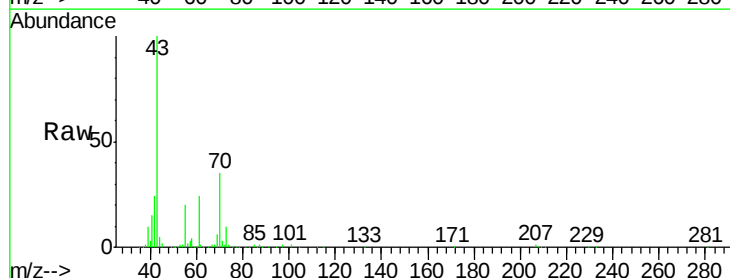
Ion Ratio Lower Upper

43 100

70 35.2 29.6 44.4

55 20.3 17.0 25.4

61 24.0 21.4 32.2



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

11.46

120000

100000

80000

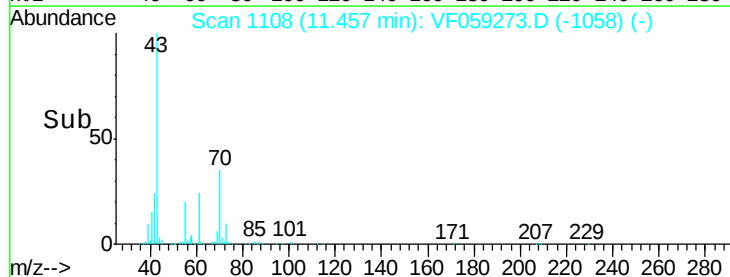
60000

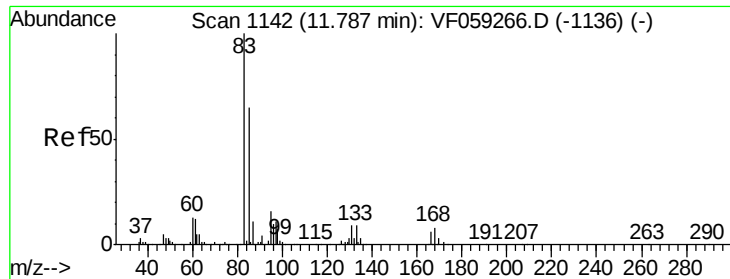
40000

20000

0

Time--> 11.30 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 21.33 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

Instrument :

MSVOA_F

ClientSampleId :

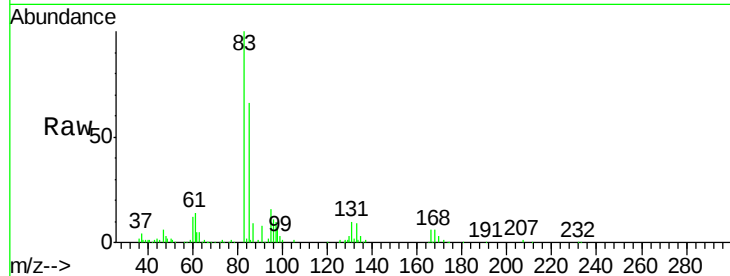
Tot Ion: 83 Resp: 82378

Ion Ratio Lower Upper

83 100

131 10.1 4.8 14.3

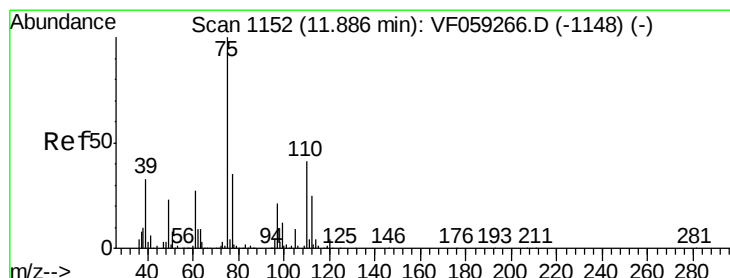
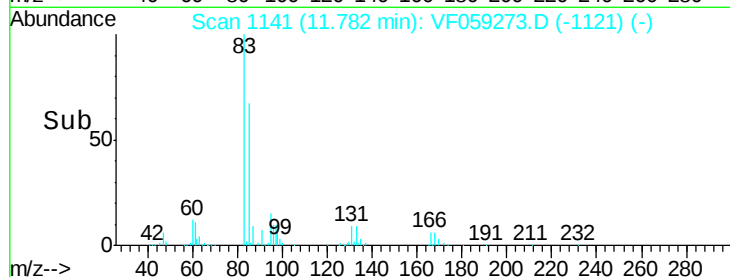
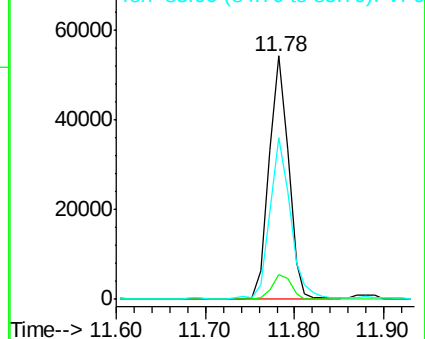
85 66.4 32.4 97.2



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: 20.96 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF059273.D

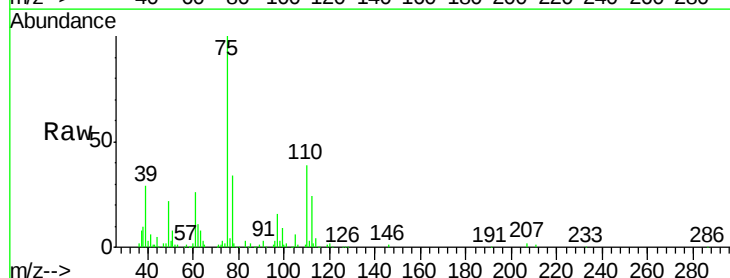
Acq: 21 Jun 2018 21:23

Tgt Ion: 75 Resp: 59274

Ion Ratio Lower Upper

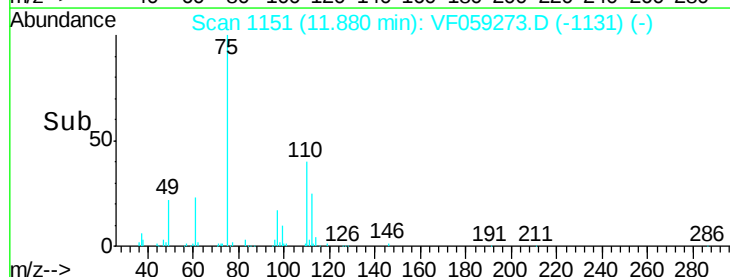
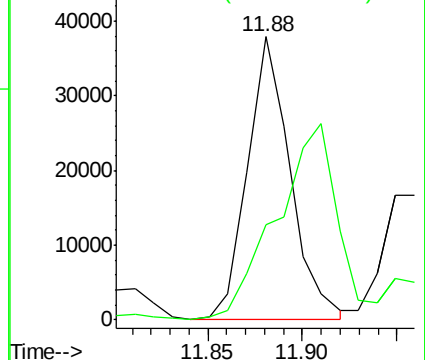
75 100

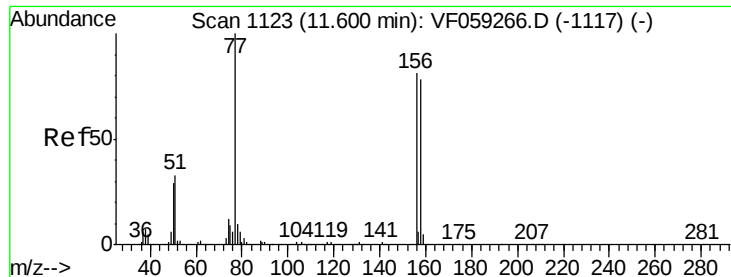
77 33.7 17.4 52.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.17 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

Instrument :

MSVOA_F

ClientSampleId :

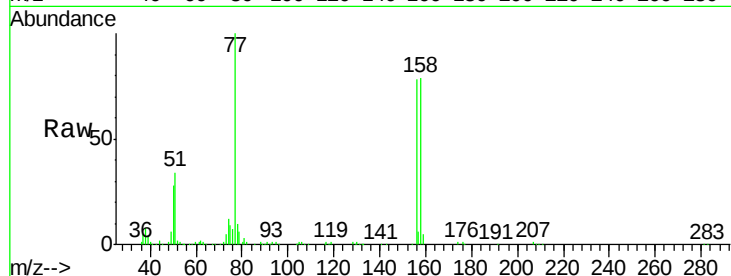
Tot Ion:156 Resp: 89692

Ion Ratio Lower Upper

156 100

77 128.2 61.7 185.0

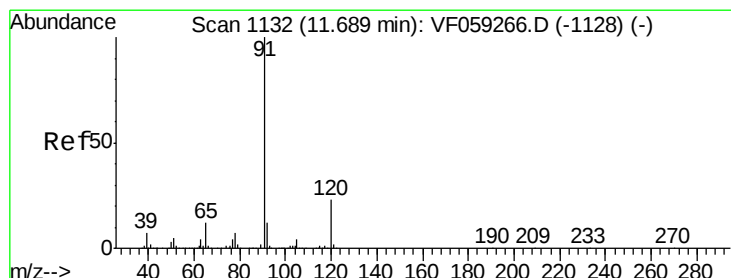
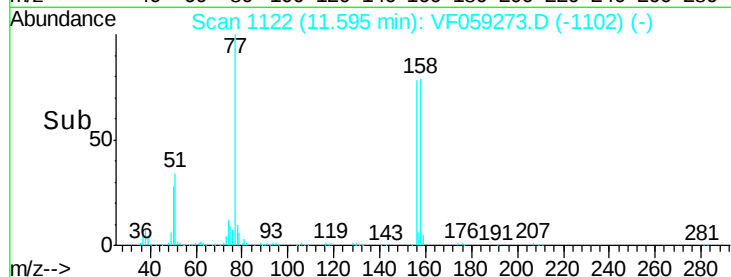
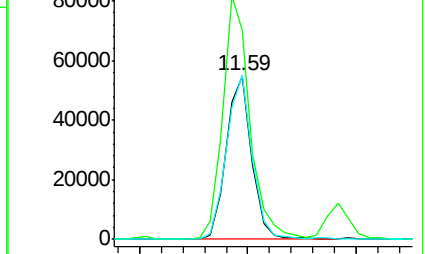
158 100.8 48.2 144.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 21.08 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF059273.D

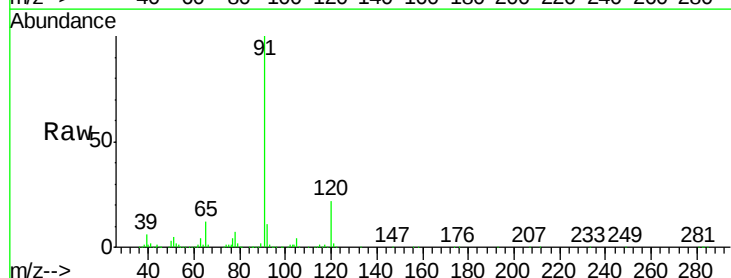
Acq: 21 Jun 2018 21:23

Tgt Ion: 91 Resp: 410453

Ion Ratio Lower Upper

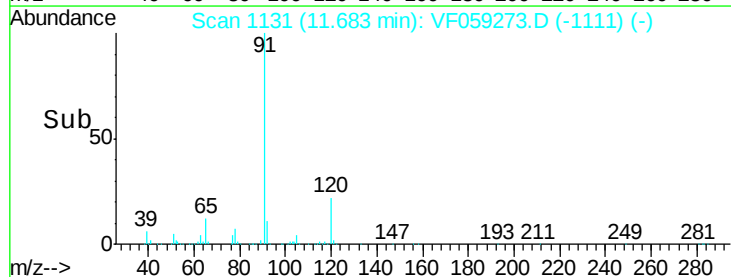
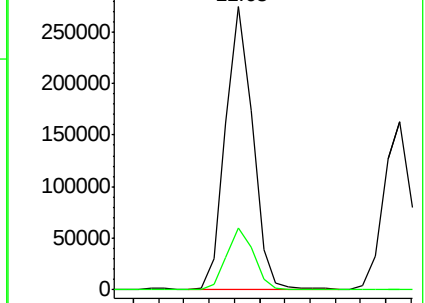
91 100

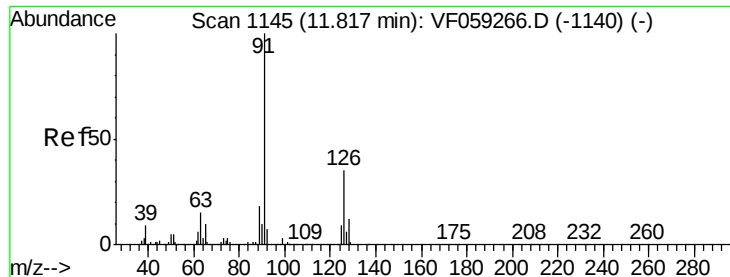
120 21.7 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.31 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

Instrument :

MSVOA_F

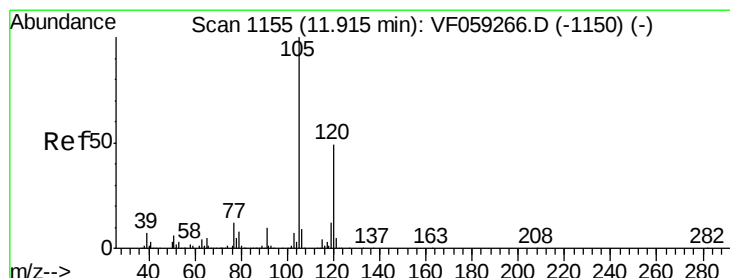
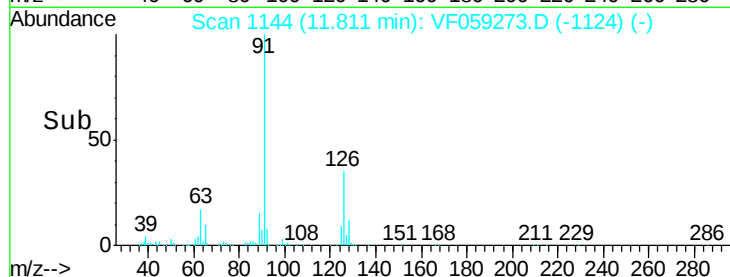
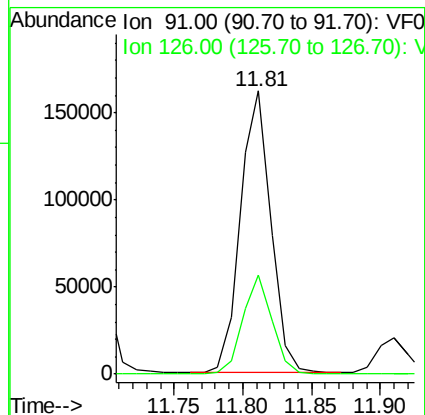
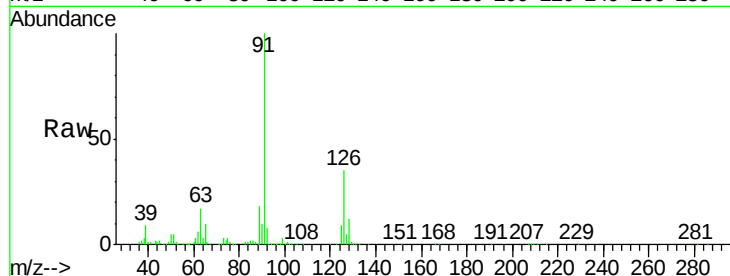
ClientSampleId :

Tot Ion: 91 Resp: 248823

Ion Ratio Lower Upper

91 100

126 35.2 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 21.17 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059273.D

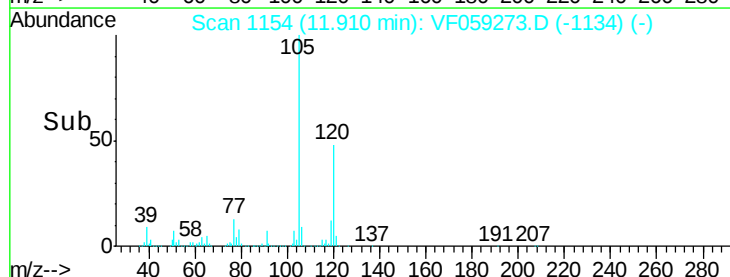
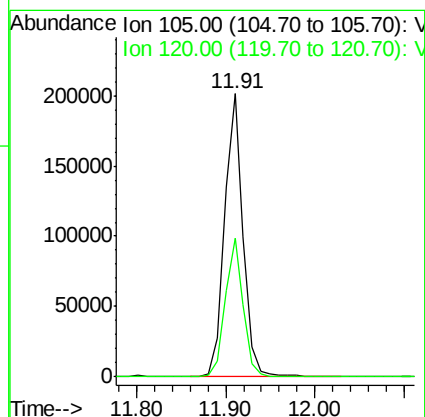
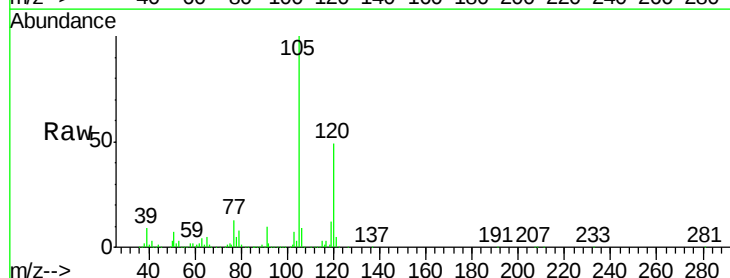
Acq: 21 Jun 2018 21:23

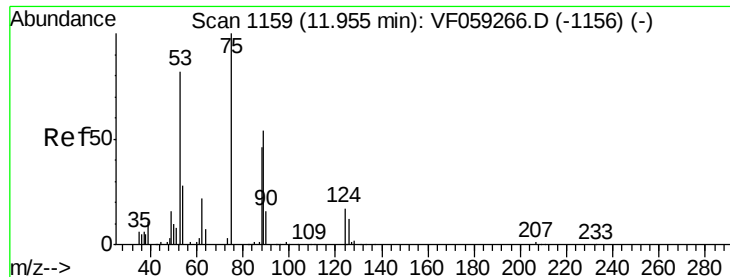
Tgt Ion:105 Resp: 294593

Ion Ratio Lower Upper

105 100

120 48.8 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.48 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

Instrument :

MSVOA_F

ClientSampleId :

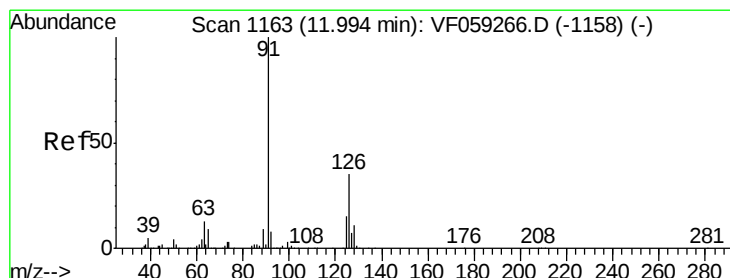
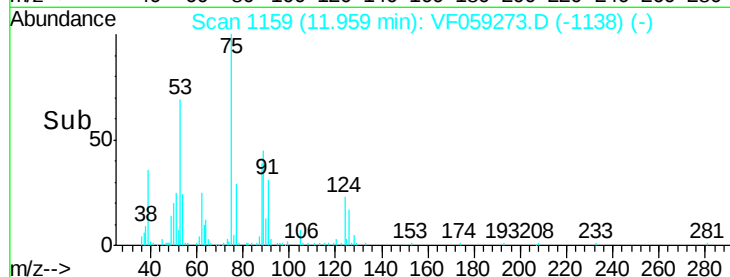
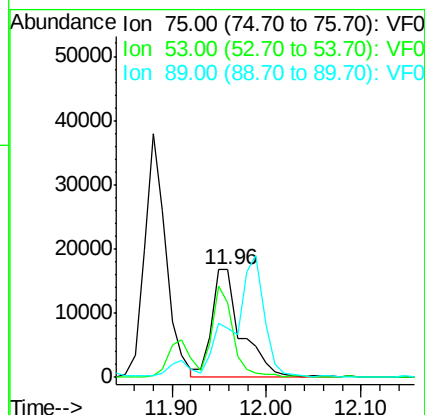
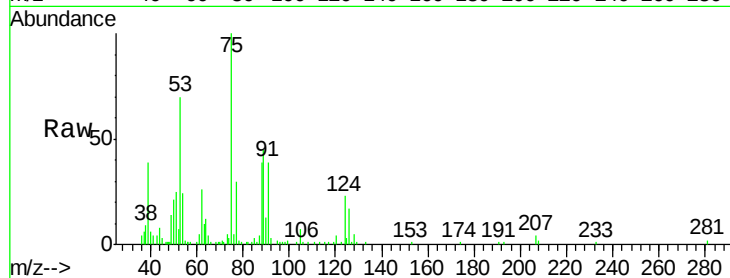
Tot Ion: 75 Resp: 37083

Ion Ratio Lower Upper

75 100

53 69.9 70.2 105.2#

89 45.4 45.3 67.9



#82

4-Chlorotoluene

Concen: 21.34 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. -0.01 min

Lab File: VF059273.D

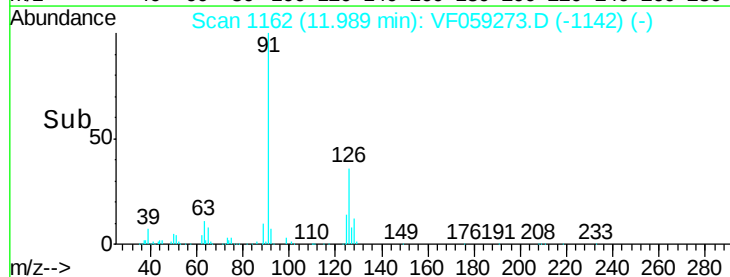
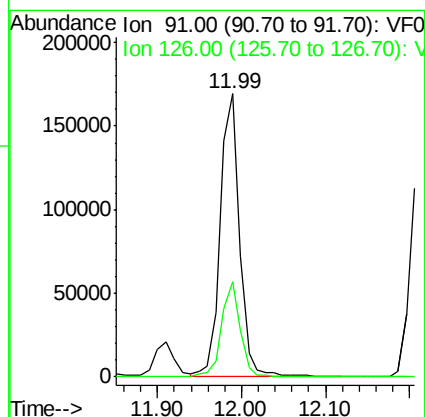
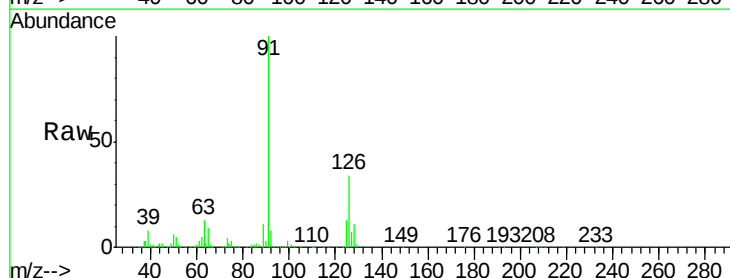
Acq: 21 Jun 2018 21:23

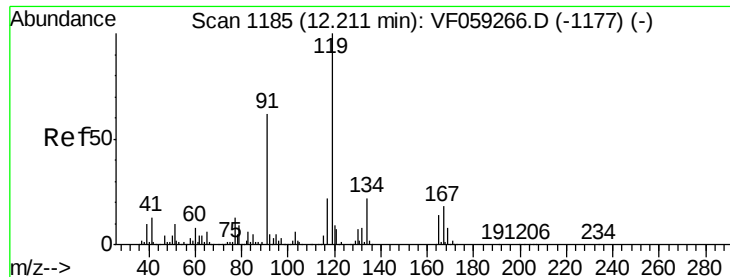
Tgt Ion: 91 Resp: 267545

Ion Ratio Lower Upper

91 100

126 33.5 17.6 52.8





#83

tert-Butylbenzene

Concen: 21.86 ug/l

RT: 12.22 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

Instrument :

MSVOA_F

ClientSampleId :

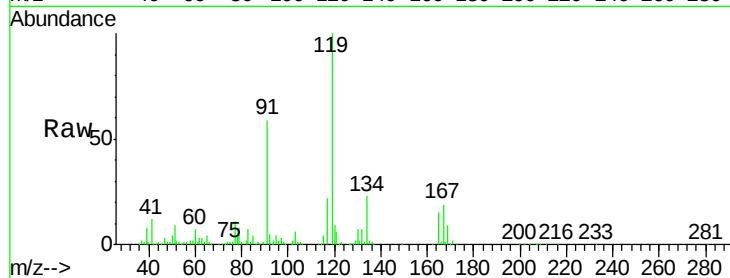
Tot Ion:119 Resp: 307880

Ion Ratio Lower Upper

119 100

91 59.4 31.3 93.8

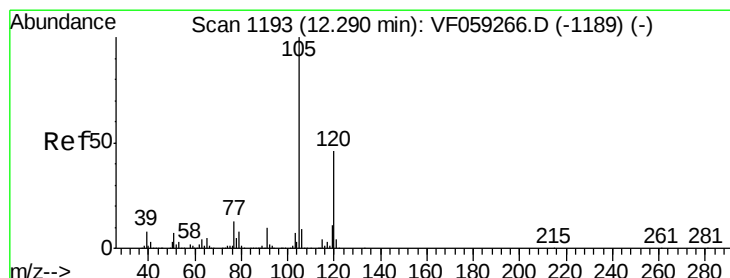
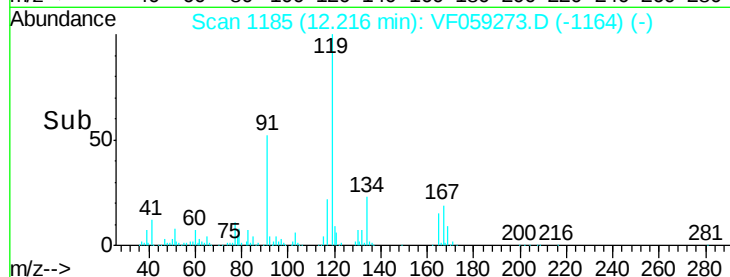
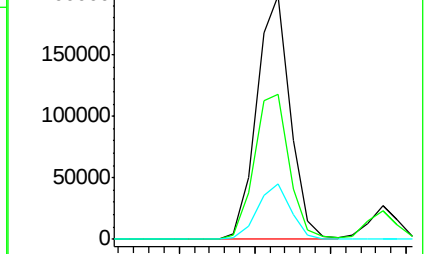
134 22.7 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.54 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF059273.D

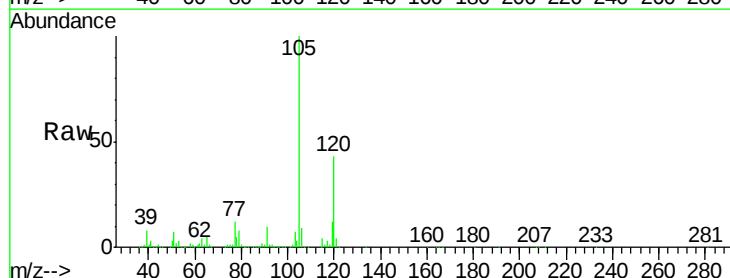
Acq: 21 Jun 2018 21:23

Tgt Ion:105 Resp: 315672

Ion Ratio Lower Upper

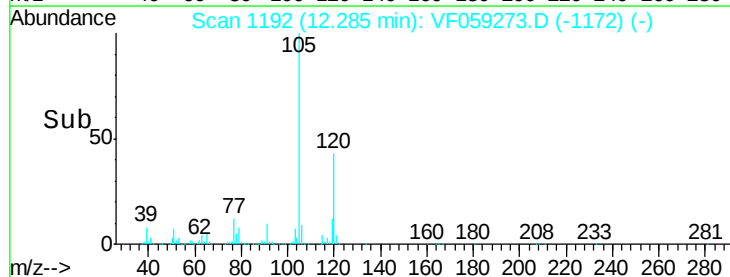
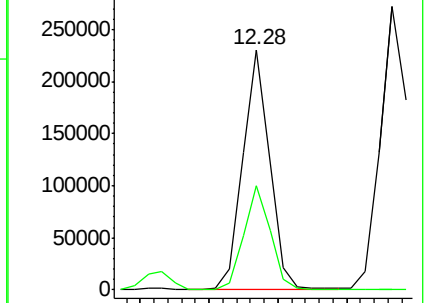
105 100

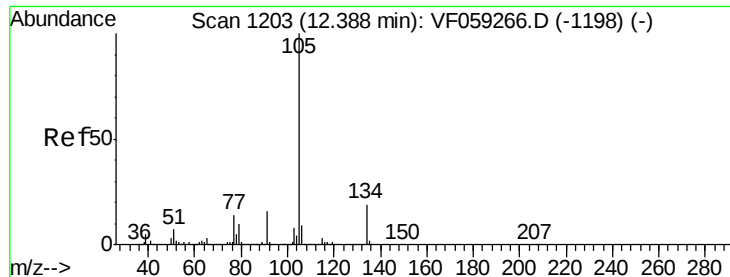
120 43.3 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.82 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

Instrument :

MSVOA_F

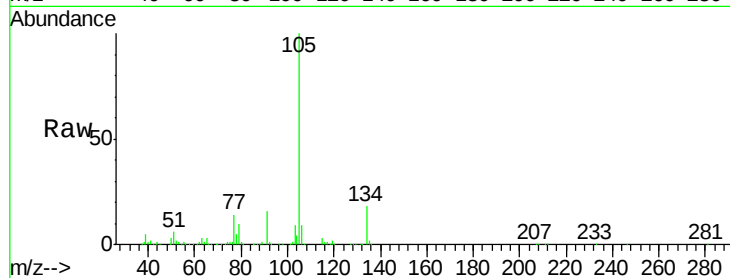
ClientSampleId :

Tot Ion:105 Resp: 391225

Ion Ratio Lower Upper

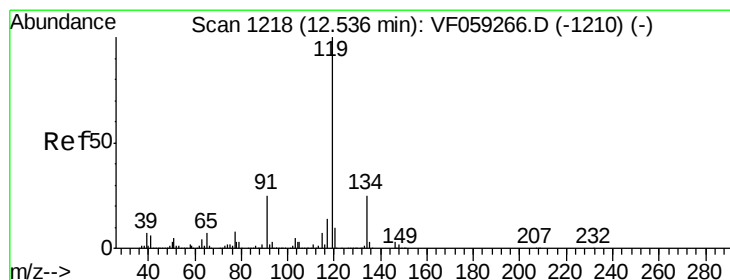
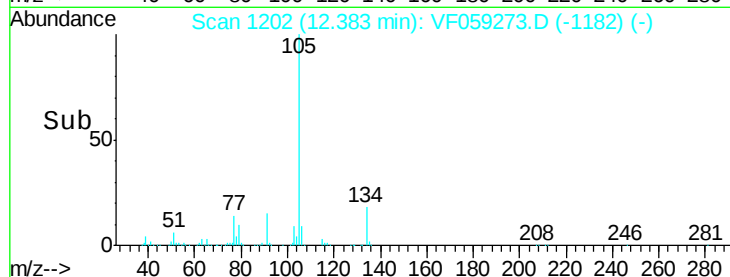
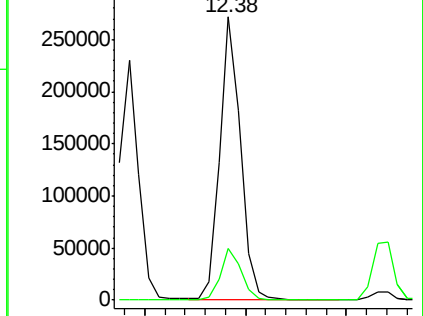
105 100

134 18.3 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.24 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

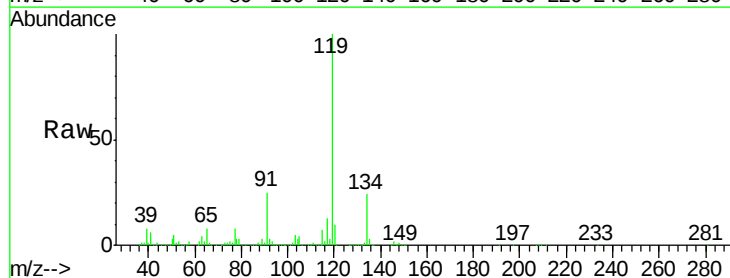
Tgt Ion:119 Resp: 344611

Ion Ratio Lower Upper

119 100

134 23.9 12.6 37.8

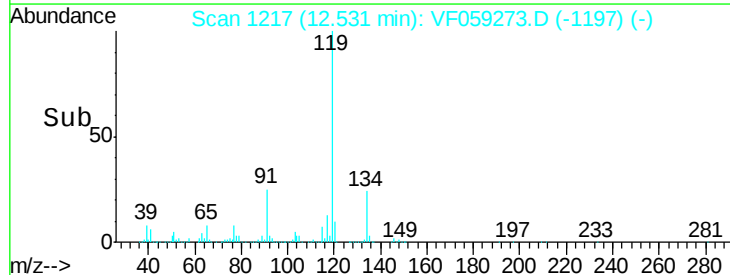
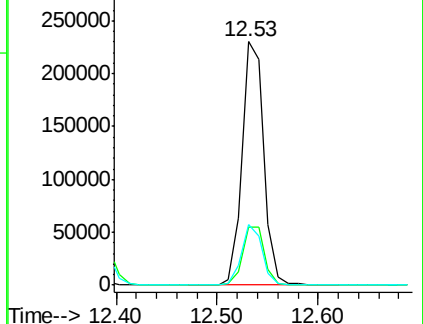
91 25.0 12.6 37.8

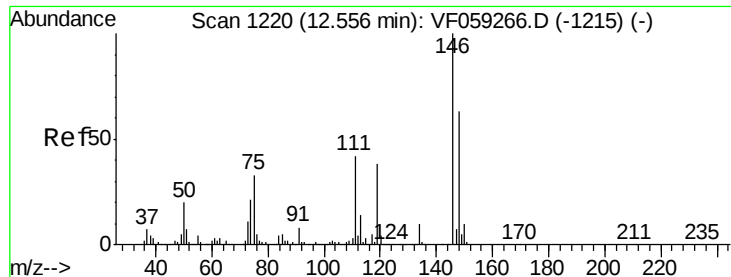


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

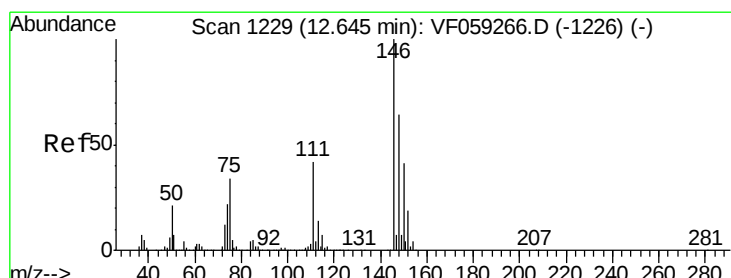
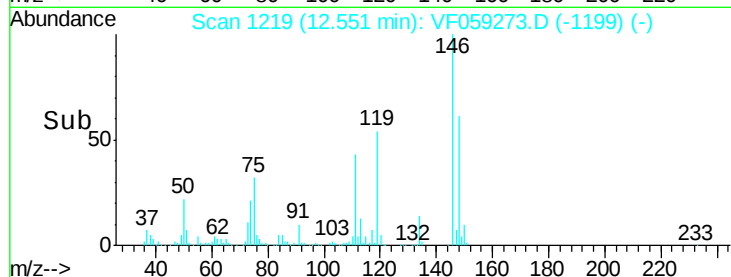
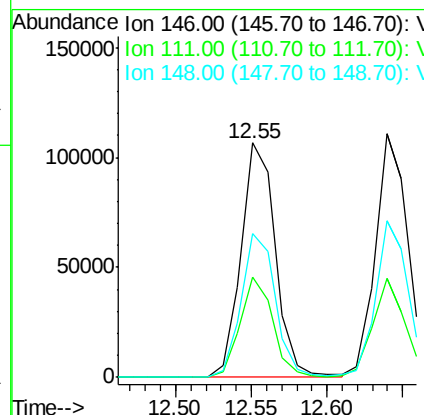
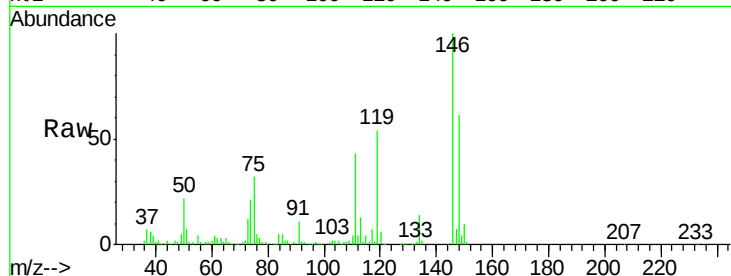




#87
 1,3-Dichlorobenzene
 Concen: 21.09 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VF059273.D
 Acq: 21 Jun 2018 21:23

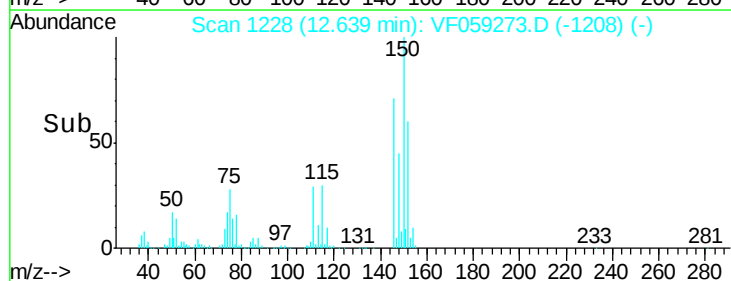
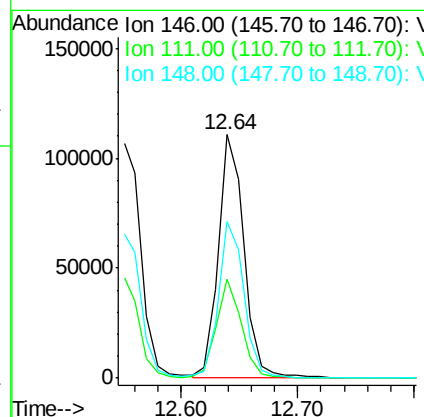
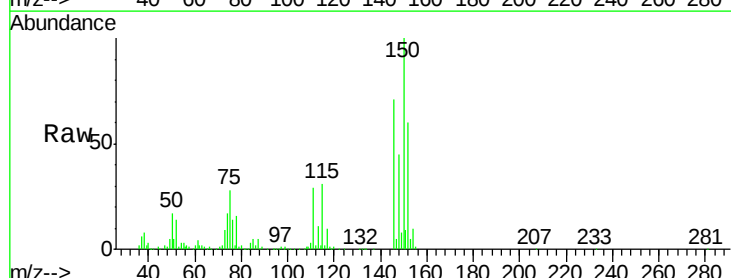
Instrument :
 MSVOA_F
 ClientSampled :

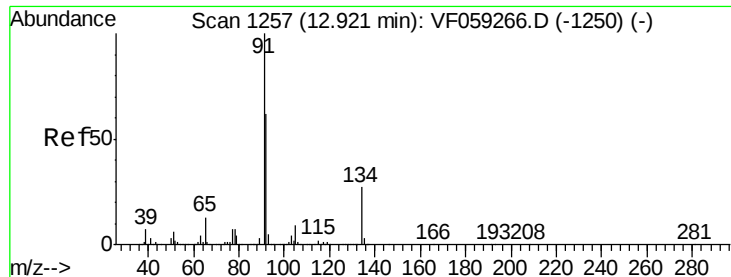
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.0	63.0
148	61.5	31.6	94.8



#88
 1,4-Dichlorobenzene
 Concen: 21.38 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VF059273.D
 Acq: 21 Jun 2018 21:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.3	63.9
148	64.2	32.0	96.2

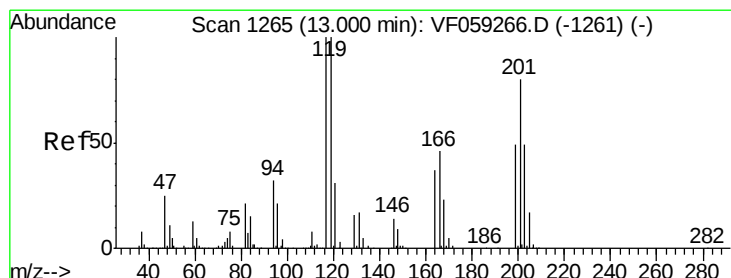
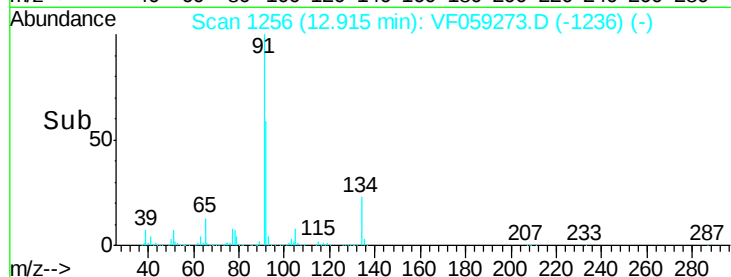
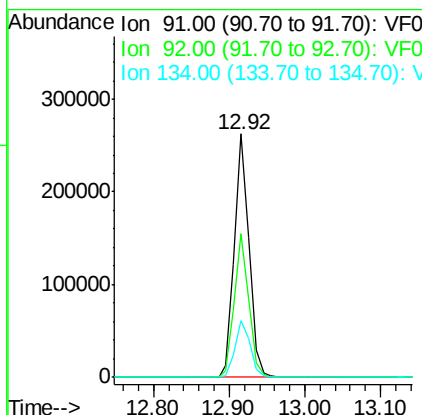
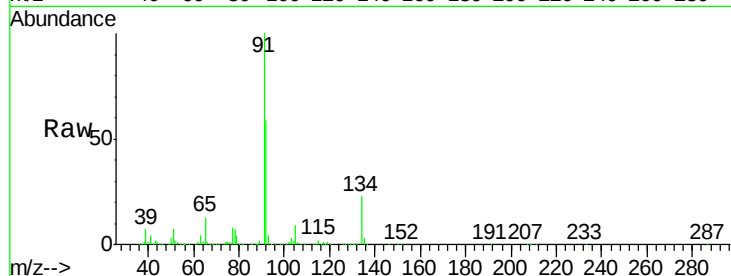




#89
n-Butylbenzene
Concen: 22.09 ug/l
RT: 12.92 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF059273.D
Acq: 21 Jun 2018 21:23

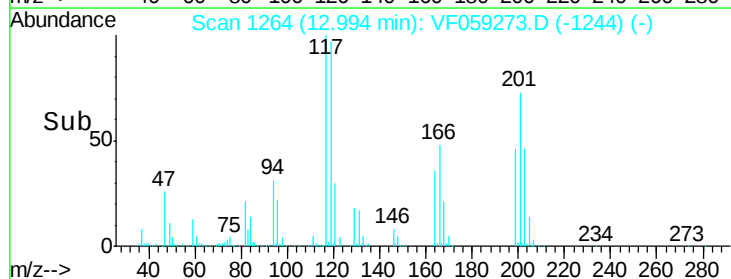
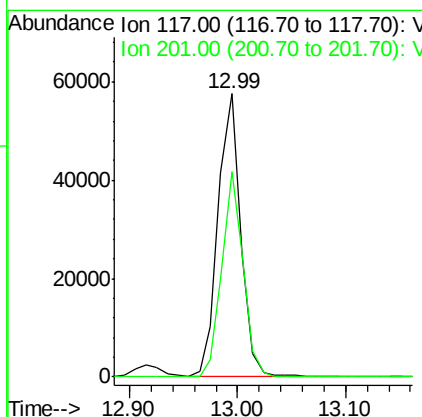
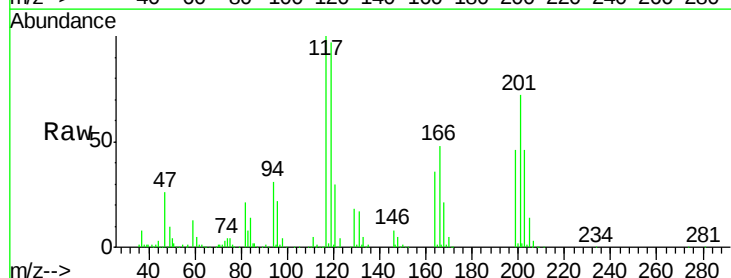
Instrument :
MSVOA_F
ClientSampleId :

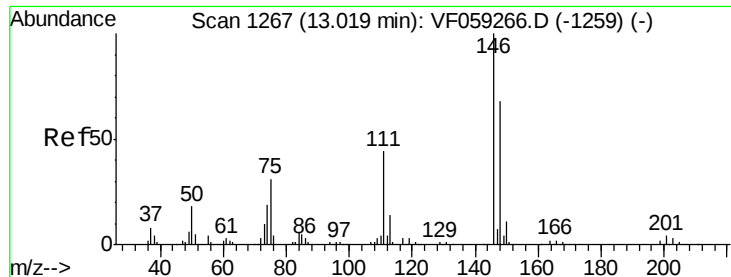
Tot Ion	Ratio	Lower	Upper
91	100		
92	59.0	31.2	93.6
134	23.4	13.4	40.1



#90
Hexachloroethane
Concen: 21.64 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VF059273.D
Acq: 21 Jun 2018 21:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.0	39.8	119.3





#91

1,2-Dichlorobenzene

Concen: 21.22 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

Instrument :

MSVOA_F

ClientSampled :

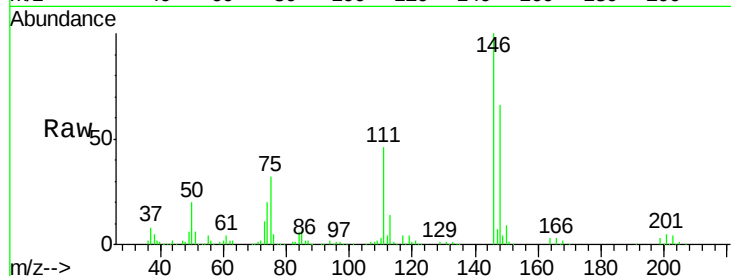
Tot Ion:146 Resp: 167814

Ion Ratio Lower Upper

146 100

111 46.1 22.1 66.3

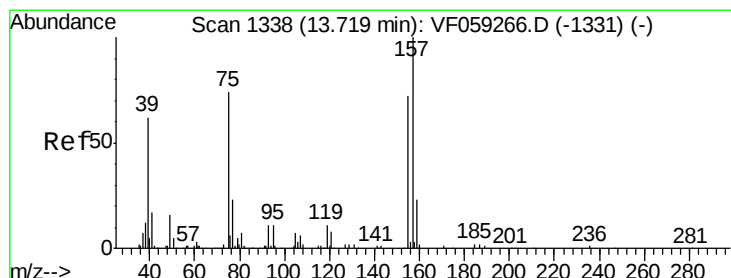
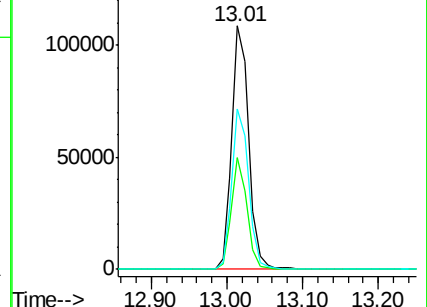
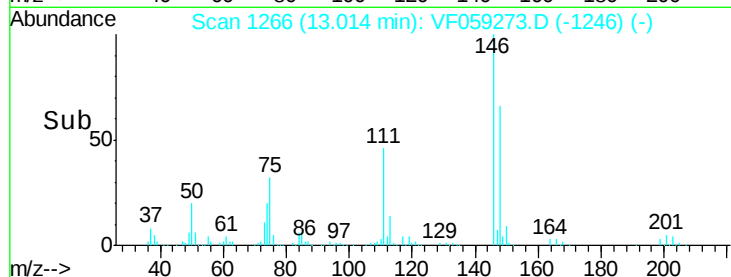
148 65.7 34.0 102.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.24 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

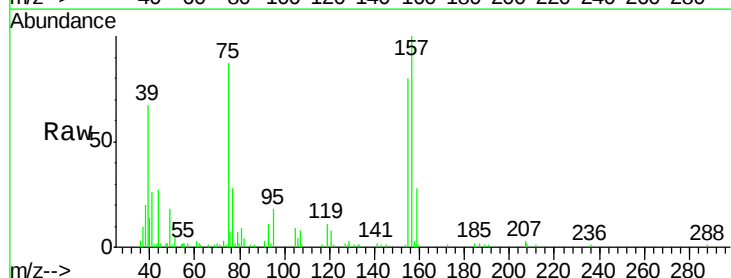
Tgt Ion: 75 Resp: 16043

Ion Ratio Lower Upper

75 100

155 91.7 48.3 144.9

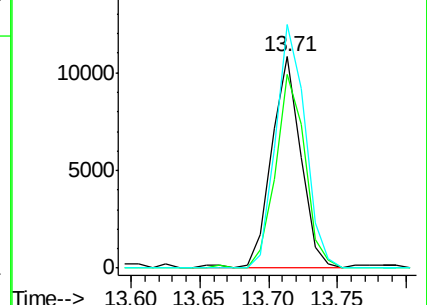
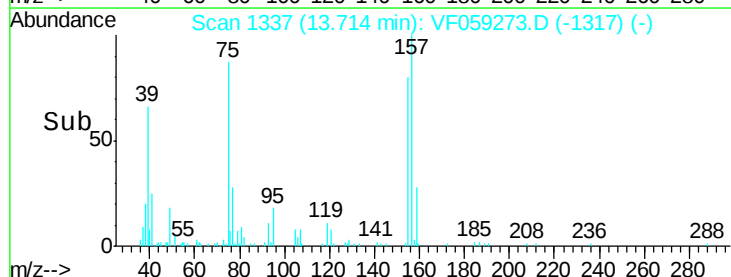
157 115.1 67.2 201.6

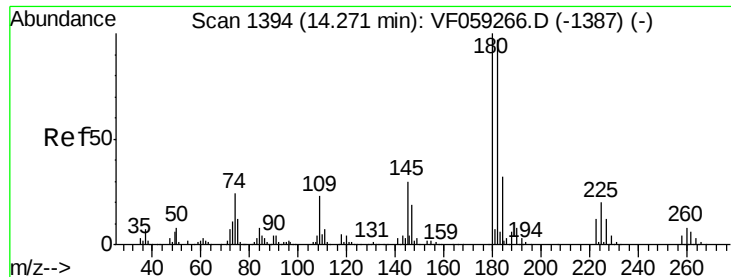


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

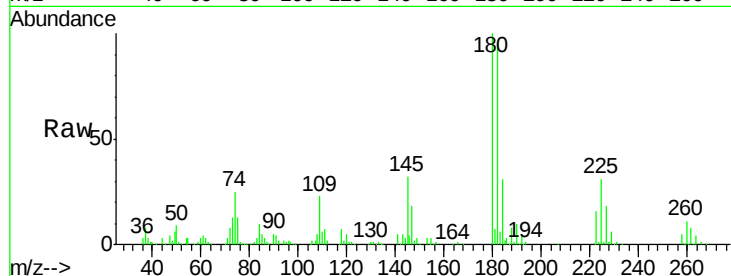




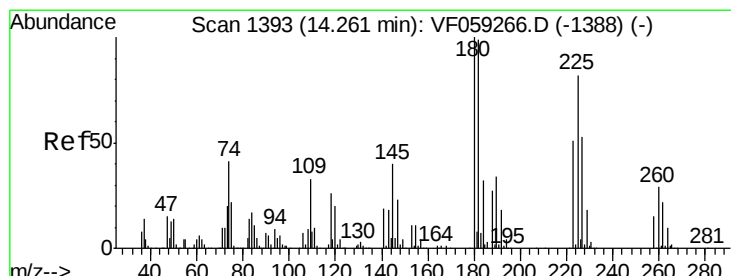
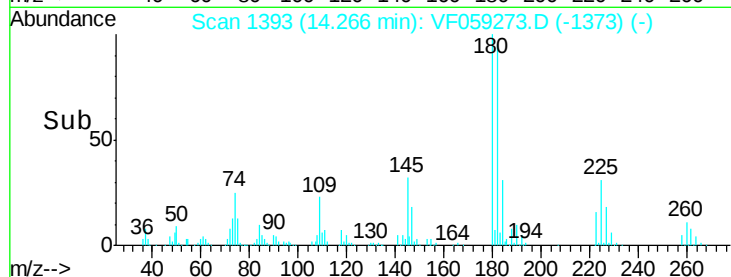
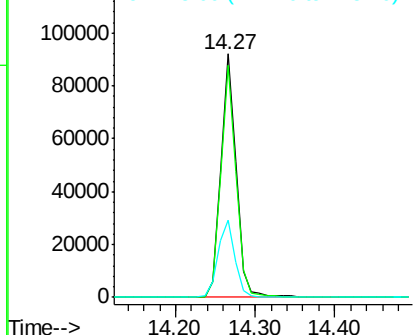
#93
 1,2,4-Trichlorobenzene
 Concen: 21.90 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059273.D
 Acq: 21 Jun 2018 21:23

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 126491
 Ion Ratio Lower Upper
 180 100
 182 95.4 48.6 145.9
 145 31.9 15.0 45.1

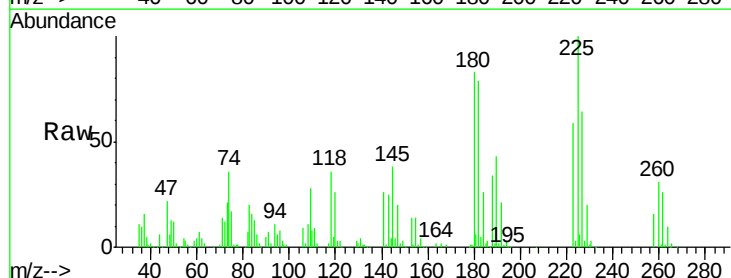


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

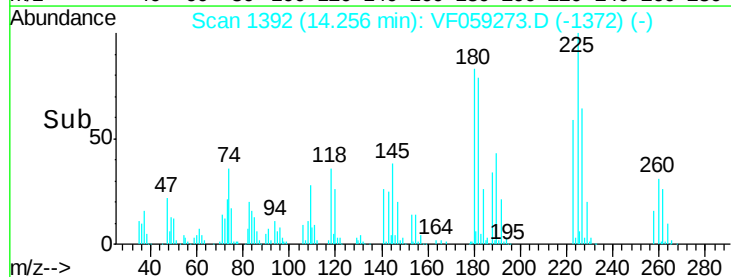
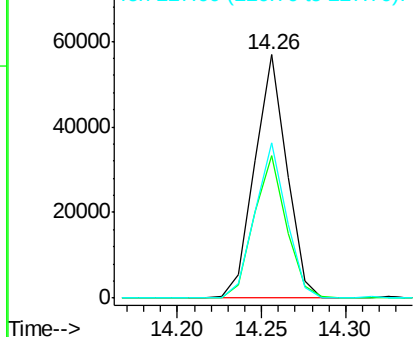


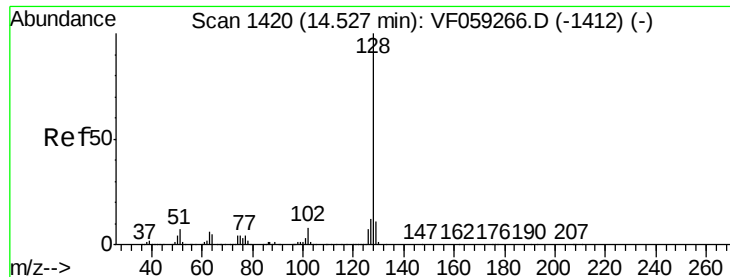
#94
 Hexachlorobutadiene
 Concen: 21.91 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059273.D
 Acq: 21 Jun 2018 21:23

Tgt Ion:225 Resp: 74997
 Ion Ratio Lower Upper
 225 100
 223 58.6 30.7 92.1
 227 63.7 32.0 96.2



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





#95

Naphthalene

Concen: 21.23 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

Instrument :

MSVOA_F

ClientSampleId :

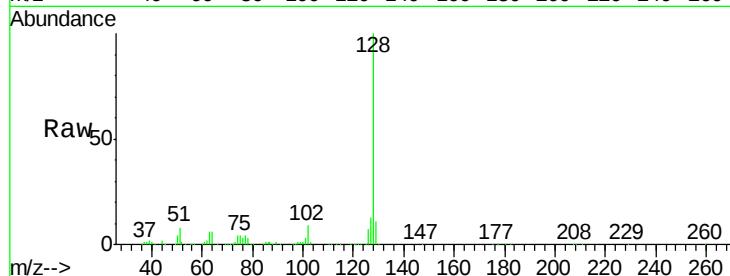
Tot Ion:128 Resp: 251741

Ion Ratio Lower Upper

128 100

127 12.8 9.6 14.4

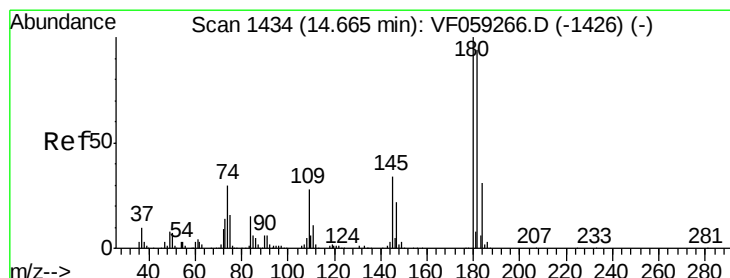
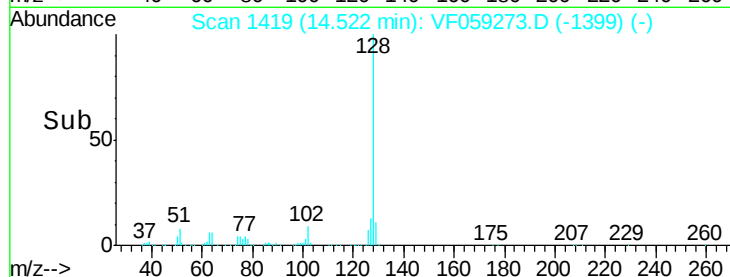
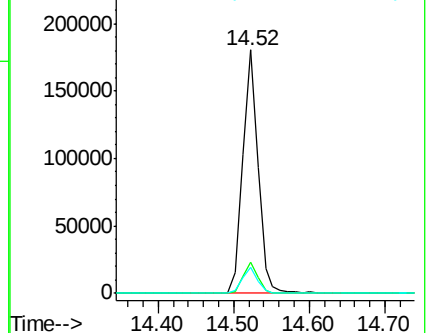
129 10.9 9.0 13.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.32 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VF059273.D

Acq: 21 Jun 2018 21:23

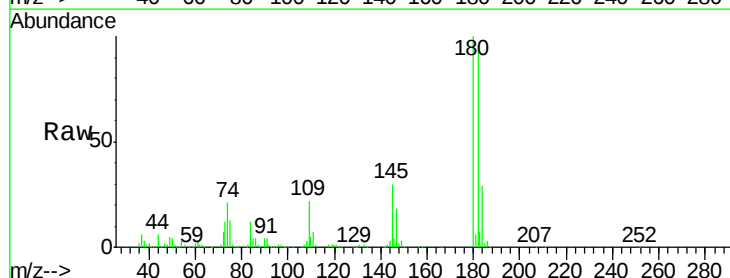
Tgt Ion:180 Resp: 115844

Ion Ratio Lower Upper

180 100

182 95.8 46.9 140.7

145 29.7 17.0 50.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

