

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062118\
 Data File : VF059272.D
 Acq On : 21 Jun 2018 20:55
 Operator : VA/AP
 Sample : VF0621SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 22 07:06:08 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	5.04	168	255433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	376043	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	394091	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	239857	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	176597	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
35) Dibromofluoromethane	4.29	113	155018	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
50) Toluene-d8	7.70	98	383951	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
62) 4-Bromofluorobenzene	11.51	95	211128	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	59267	19.93	ug/l	100
3) Chloromethane	1.09	50	36345	19.40	ug/l	95
4) Vinyl Chloride	1.15	62	36382	19.59	ug/l	98
5) Bromomethane	1.33	94	24507	18.47	ug/l #	77
6) Chloroethane	1.43	64	16602	18.32	ug/l	95
7) Trichlorofluoromethane	1.48	101	25403	6.98	ug/l	92
8) Diethyl Ether	1.70	74	16635	20.32	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.89	101	41714	20.55	ug/l #	91
10) Methyl Iodide	1.96	142	71464	19.26	ug/l	92
11) Tert butyl alcohol	2.68	59	20967	98.14	ug/l #	89
12) 1,1-Dichloroethene	1.85	96	35168	19.43	ug/l	91
13) Acrolein	2.09	56	18604	106.97	ug/l	97
14) Allyl chloride	2.18	41	64353	19.26	ug/l #	85
15) Acrylonitrile	3.07	53	51103	145.70	ug/l	91
16) Acetone	2.34	43	72673	83.86	ug/l	99
17) Carbon Disulfide	1.86	76	82548	18.77	ug/l	96
18) Methyl Acetate	2.45	43	27821	17.03	ug/l	94
19) Methyl tert-butyl Ether	2.53	73	121774	20.05	ug/l #	91
20) Methylene Chloride	2.27	84	20625	10.24	ug/l	93
21) trans-1,2-Dichloroethene	2.41	96	35564	18.82	ug/l	94
22) Diisopropyl ether	2.92	45	145265	20.95	ug/l #	96
23) Vinyl Acetate	3.33	43	469764	105.93	ug/l	99
24) 1,1-Dichloroethane	3.00	63	88984	19.80	ug/l	99
25) 2-Butanone	4.51	43	108375	93.75	ug/l	96
26) 2,2-Dichloropropane	3.75	77	64404	20.56	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	58393	20.34	ug/l	98
28) Bromochloromethane	3.89	49	42337	22.61	ug/l	98
29) Tetrahydrofuran	4.26	42	46945	90.45	ug/l	98
30) Chloroform	4.03	83	129425	19.89	ug/l	97
31) Cyclohexane	3.87	56	63850	20.64	ug/l	95
32) 1,1,1-Trichloroethane	4.27	97	98978	20.14	ug/l	97
36) 1,1-Dichloropropene	4.46	75	82040	20.76	ug/l	97
37) Ethyl Acetate	4.28	43	51776	20.50	ug/l	97
38) Carbon Tetrachloride	4.16	117	100930	20.79	ug/l	91

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	78570	22.22	ug/l	95
40) Benzene	4.80	78	185805	22.16	ug/l	95
41) Methacrylonitrile	4.91	41	23359	19.36	ug/l #	92
42) 1,2-Dichloroethane	5.12	62	101149	20.94	ug/l	96
43) Isopropyl Acetate	7.11	43	62721	20.27	ug/l	92
44) Trichloroethene	5.66	130	58889	20.27	ug/l	91
45) 1,2-Dichloropropane	6.40	63	51014	20.85	ug/l	92
46) Dibromomethane	6.25	93	43173	20.91	ug/l	93
47) Bromodichloromethane	6.55	83	104477	21.14	ug/l	100
48) Methyl methacrylate	6.86	41	40880	20.87	ug/l	92
49) 1,4-Dioxane	6.87	88	4547	400.25	ug/l #	76
51) 4-Methyl-2-Pentanone	8.40	43	229447	103.98	ug/l	97
52) Toluene	7.78	92	134408	20.77	ug/l	93
53) t-1,3-Dichloropropene	8.42	75	96782	20.85	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	100957	20.60	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	52753	21.12	ug/l	98
56) Ethyl methacrylate	8.75	69	55952	19.59	ug/l	95
57) 1,3-Dichloropropane	8.99	76	86149	20.85	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.77	63	24831	108.71	ug/l	100
59) 2-Hexanone	9.62	43	173415	99.13	ug/l	99
60) Dibromochloromethane	8.86	129	74228	20.19	ug/l	96
61) 1,2-Dibromoethane	9.13	107	59712	20.75	ug/l	96
64) Tetrachloroethene	8.30	164	62137	20.53	ug/l	95
65) Chlorobenzene	9.94	112	173509	20.69	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	70111	20.07	ug/l	97
67) Ethyl Benzene	10.04	91	284065	19.95	ug/l	99
68) m/p-Xylenes	10.26	106	218298	42.66	ug/l	93
69) o-Xylene	10.82	106	116180	20.56	ug/l	93
70) Styrene	10.89	104	177318	20.81	ug/l	99
71) Bromoform	10.88	173	45722	18.35	ug/l	98
73) Isopropylbenzene	11.23	105	362734	21.95	ug/l	100
74) N-amyl acetate	11.46	43	114941	21.31	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	78974	20.37	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	57962	20.42	ug/l	95
77) Bromobenzene	11.59	156	87188	19.53	ug/l	91
78) n-propylbenzene	11.68	91	427134	21.85	ug/l	96
79) 2-Chlorotoluene	11.81	91	241127	20.57	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	289830	20.75	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	34238	18.83	ug/l #	86
82) 4-Chlorotoluene	11.99	91	259218	20.59	ug/l	96
83) tert-Butylbenzene	12.21	119	300916	21.28	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	310668	21.11	ug/l	99
85) sec-Butylbenzene	12.38	105	391372	20.74	ug/l	99
86) p-Isopropyltoluene	12.54	119	347921	22.36	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	168036	20.99	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	163164	20.64	ug/l	98
89) n-Butylbenzene	12.91	91	352880	22.27	ug/l	94
90) Hexachloroethane	12.99	117	80308	20.65	ug/l	92
91) 1,2-Dichlorobenzene	13.01	146	159505	20.09	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	16744	20.00	ug/l	88

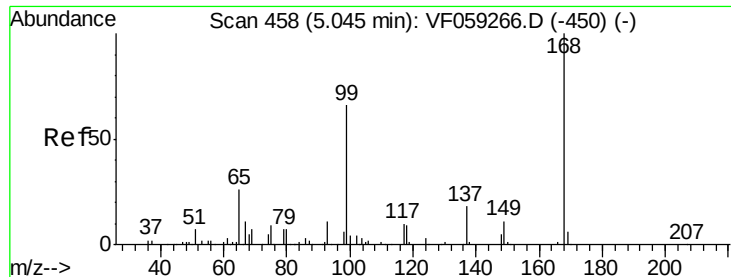
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	122325	21.10	ug/l	98
94) Hexachlorobutadiene	14.26	225	70994	20.66	ug/l	100
95) Naphthalene	14.52	128	242267	20.35	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	110851	20.32	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

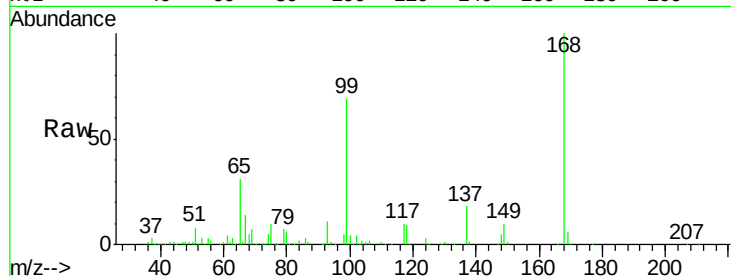
ClientSampleId :

Tot Ion:168 Resp: 255433

Ion Ratio Lower Upper

168 100

99 69.2 52.6 78.8

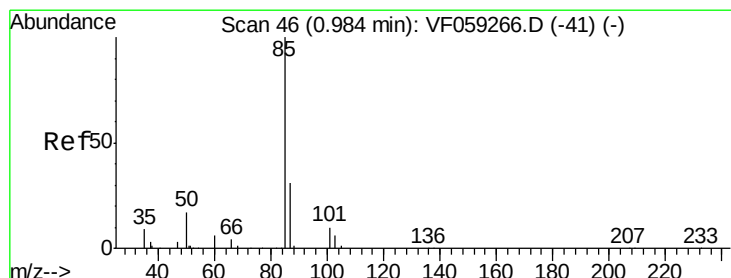
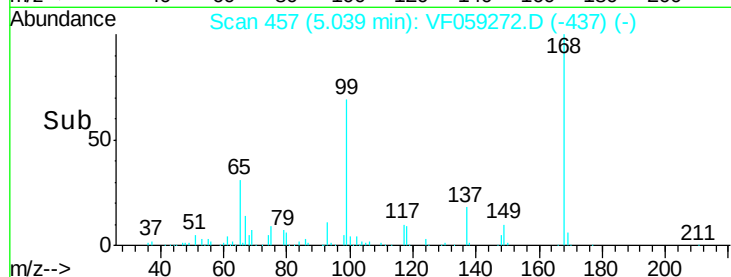


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

Time-->



#2

Dichlorodifluoromethane

Concen: 19.93 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059272.D

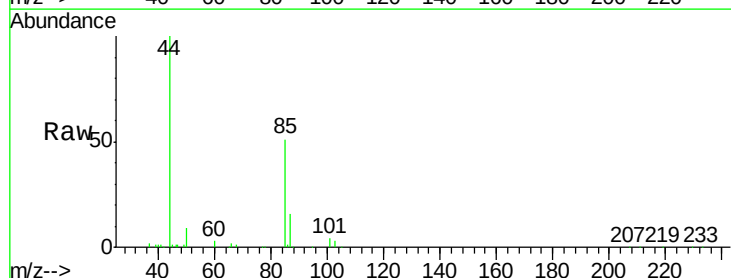
Acq: 21 Jun 2018 20:55

Tgt Ion: 85 Resp: 59267

Ion Ratio Lower Upper

85 100

87 31.3 15.6 46.7

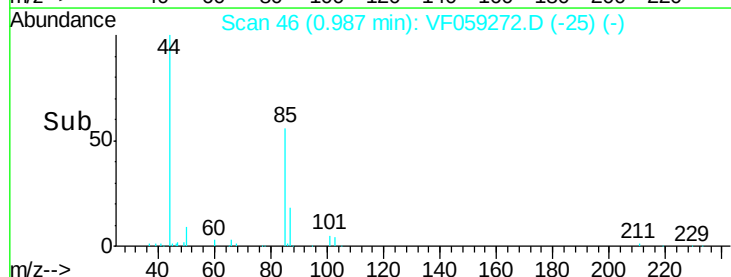


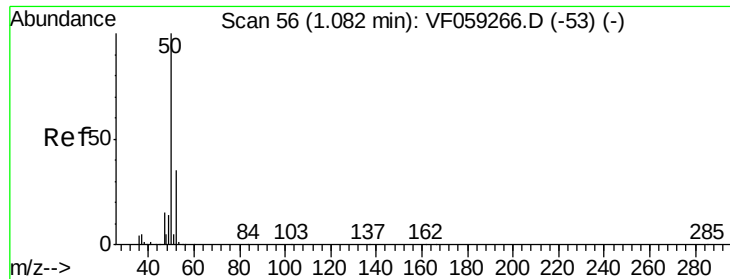
Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

Time-->





#3

Chloromethane

Concen: 19.40 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

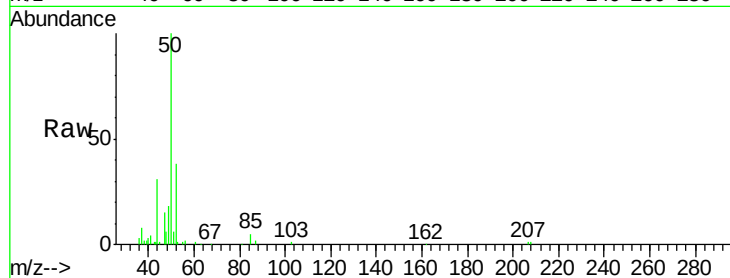
ClientSampled :

Tot Ion: 50 Resp: 36345

Ion Ratio Lower Upper

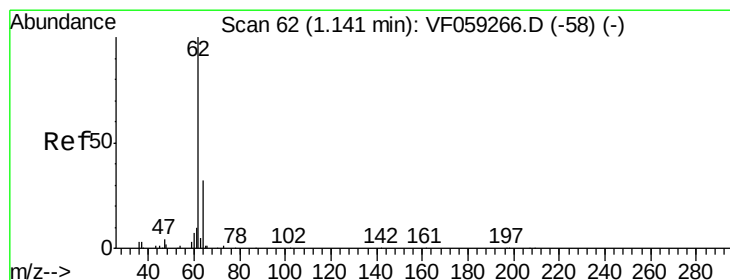
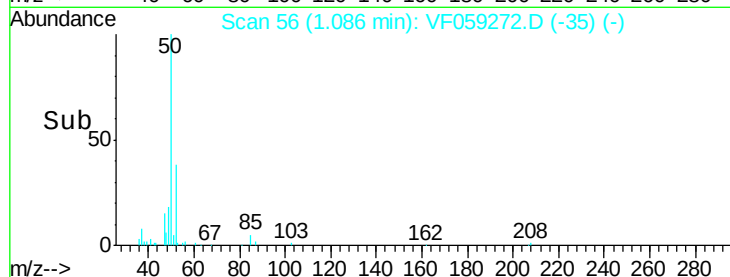
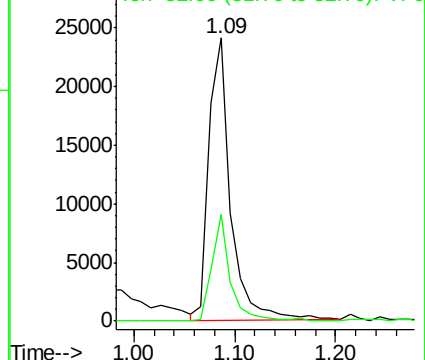
50 100

52 37.7 27.7 41.5



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 19.59 ug/l

RT: 1.15 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF059272.D

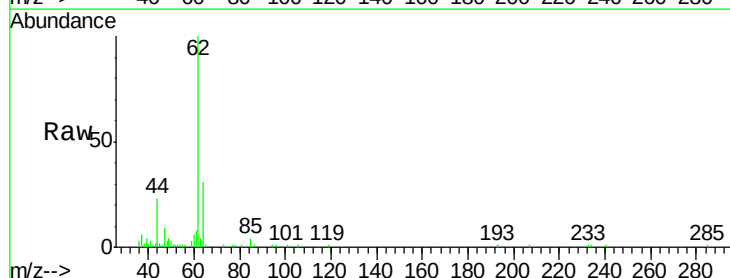
Acq: 21 Jun 2018 20:55

Tgt Ion: 62 Resp: 36382

Ion Ratio Lower Upper

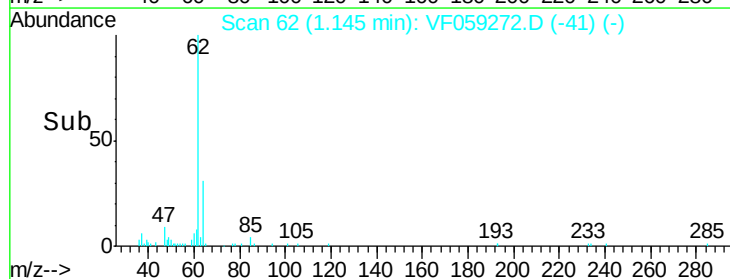
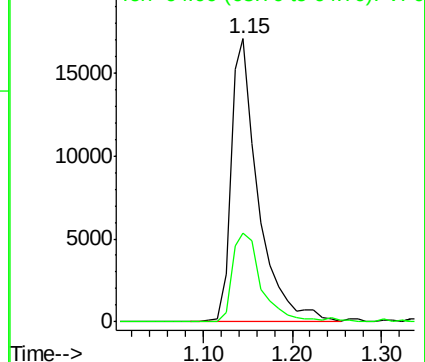
62 100

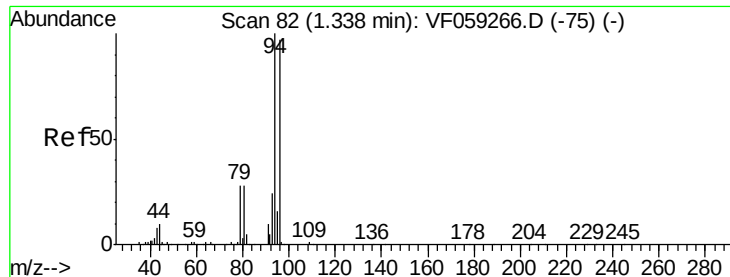
64 31.3 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 18.47 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

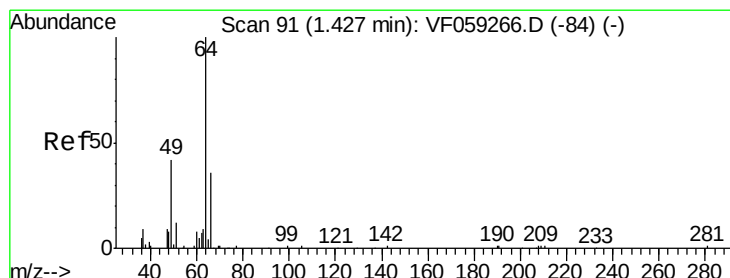
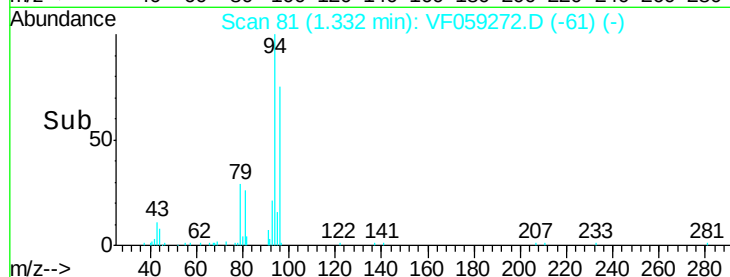
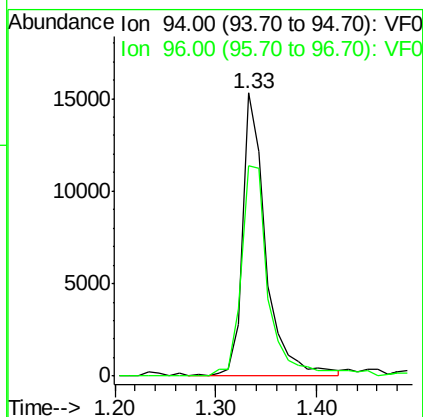
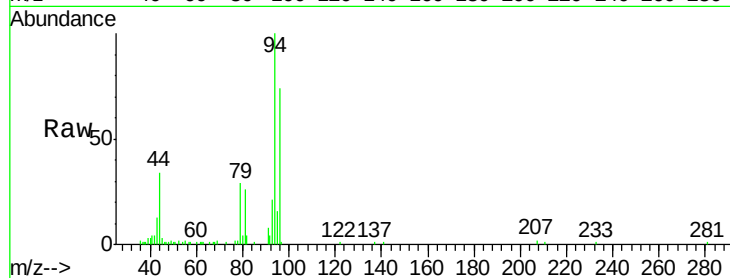
ClientSampleId :

Tot Ion: 94 Resp: 24507

Ion Ratio Lower Upper

94 100

96 74.3 77.7 116.5#



#6

Chloroethane

Concen: 18.32 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF059272.D

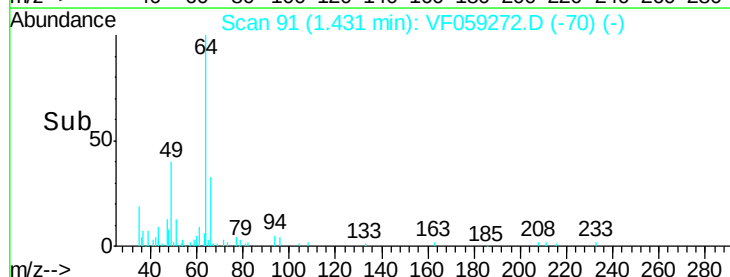
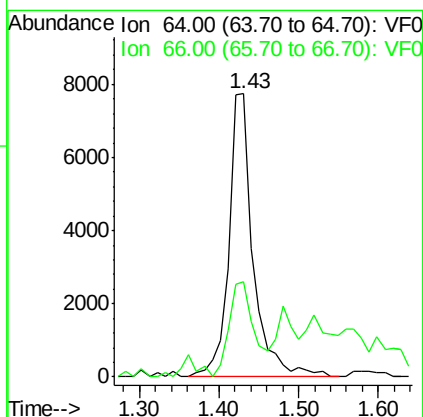
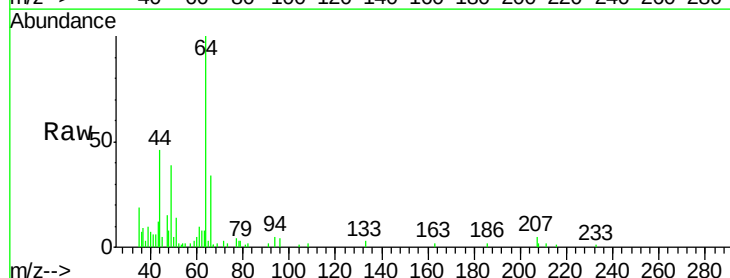
Acq: 21 Jun 2018 20:55

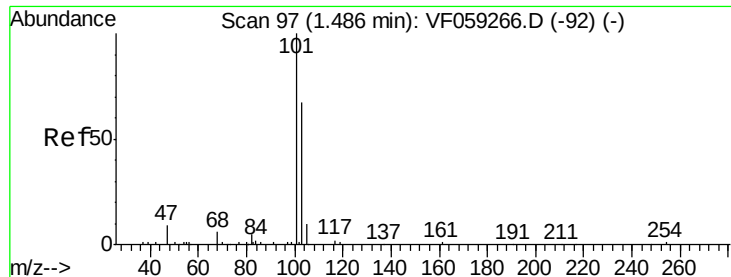
Tgt Ion: 64 Resp: 16602

Ion Ratio Lower Upper

64 100

66 33.7 29.4 44.2





#7

Trichlorofluoromethane

Concen: 6.98 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

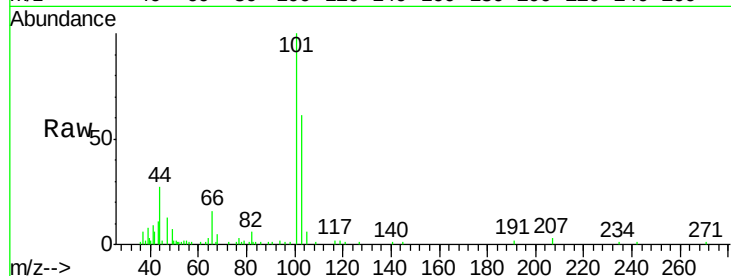
ClientSampleId :

Tot Ion:101 Resp: 25403

Ion Ratio Lower Upper

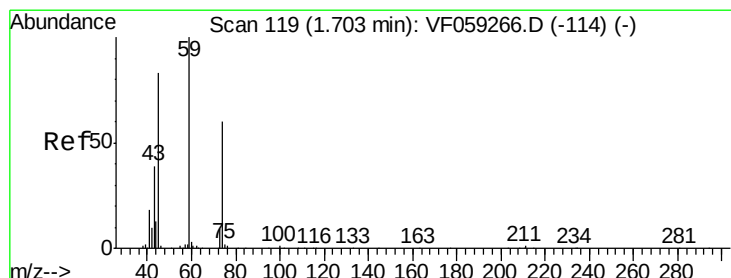
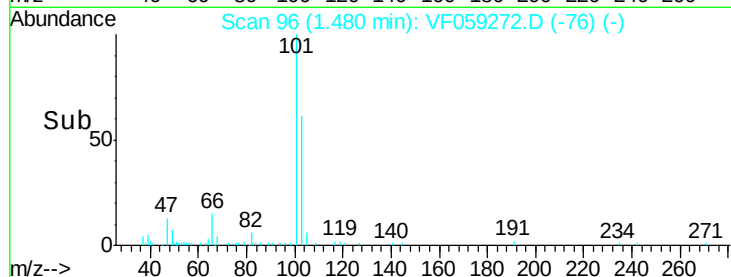
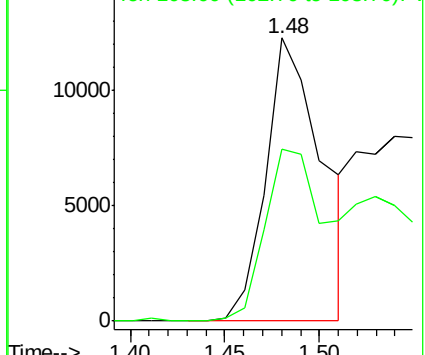
101 100

103 60.7 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: 20.32 ug/l

RT: 1.70 min Scan# 118

Delta R.T. -0.01 min

Lab File: VF059272.D

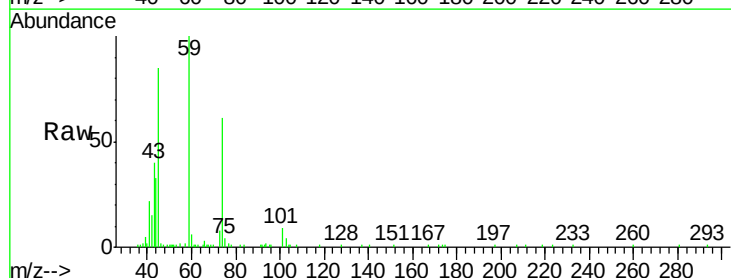
Acq: 21 Jun 2018 20:55

Tgt Ion: 74 Resp: 16635

Ion Ratio Lower Upper

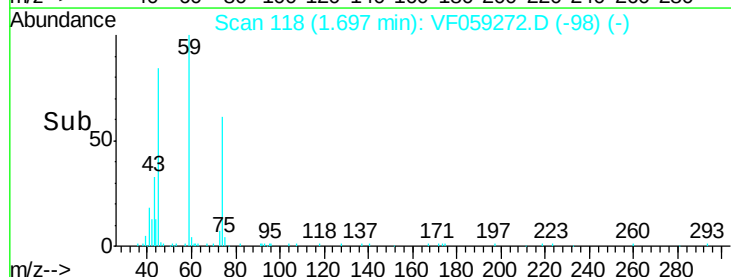
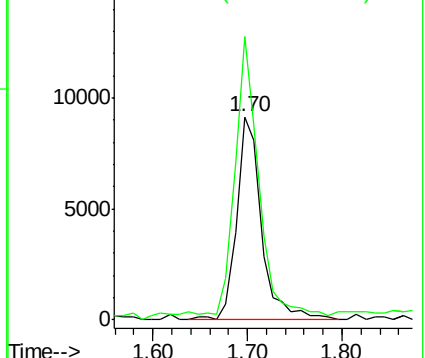
74 100

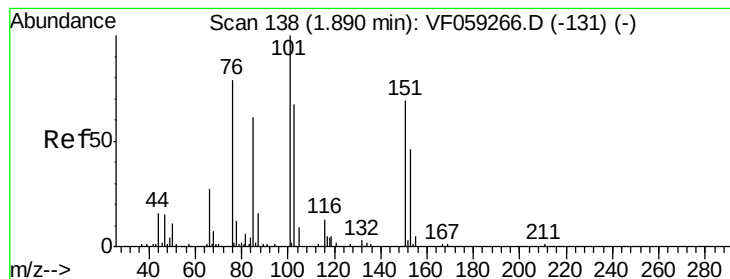
45 139.4 69.2 207.4



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: 20.55 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059272.D

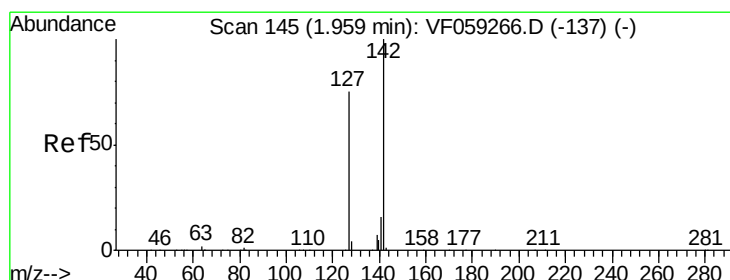
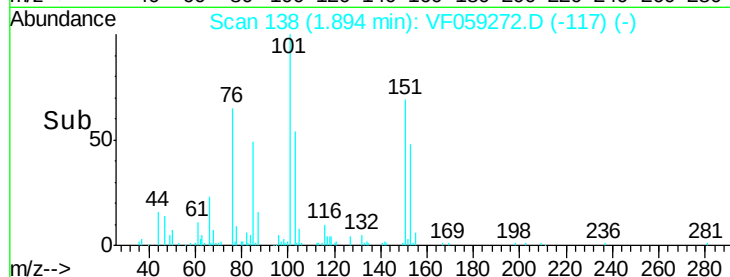
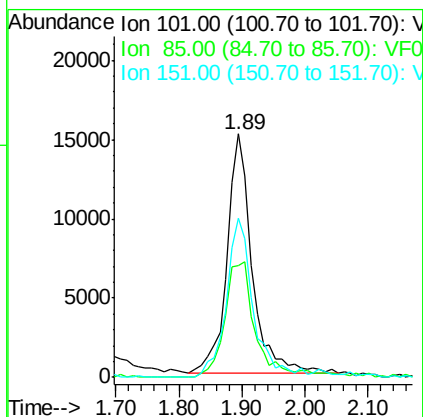
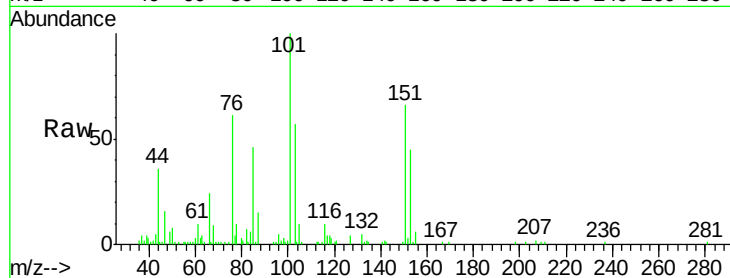
Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:101	Resp:	41714
Ion Ratio	Lower	Upper
101	100	
85	45.8	47.2 70.8#
151	65.6	53.3 79.9



#10

Methyl Iodide

Concen: 19.26 ug/l

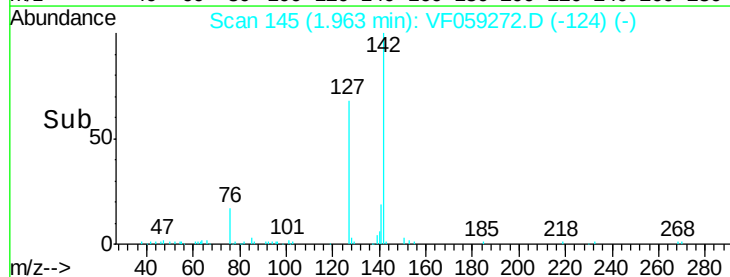
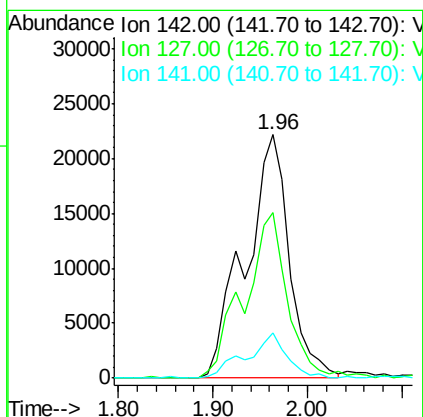
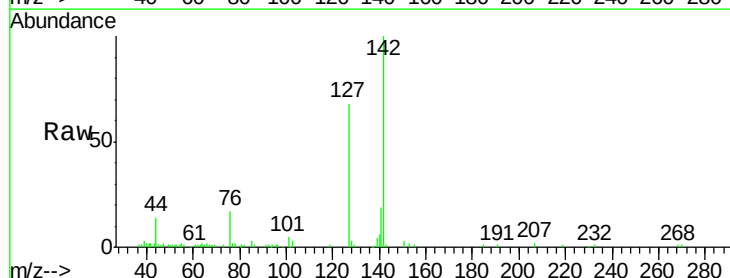
RT: 1.96 min Scan# 145

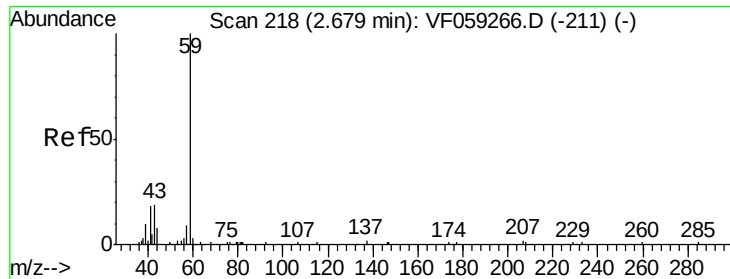
Delta R.T. 0.00 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Tgt Ion:142	Resp:	71464
Ion Ratio	Lower	Upper
142	100	
127	68.2	59.9 89.9
141	18.5	12.7 19.1



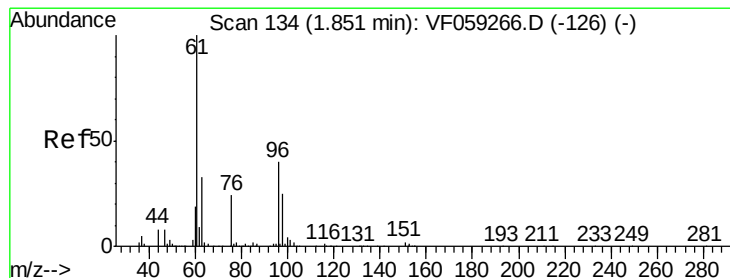
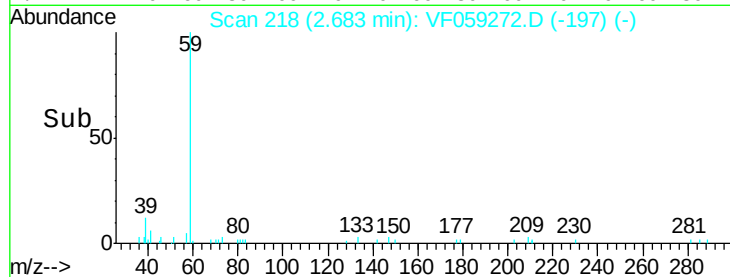
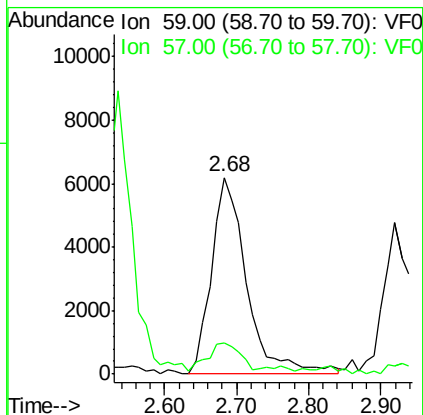
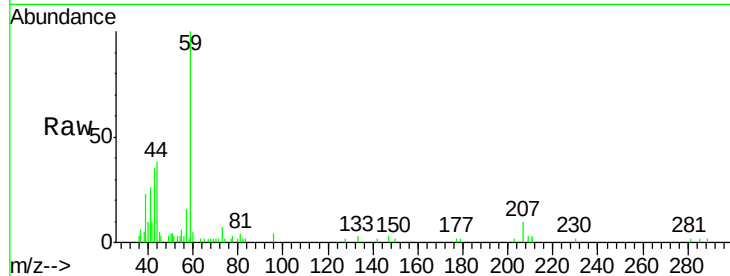


#11

Tert butyl alcohol
Concen: 98.14 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.00 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Instrument :
MSVOA_F
ClientSampleId :

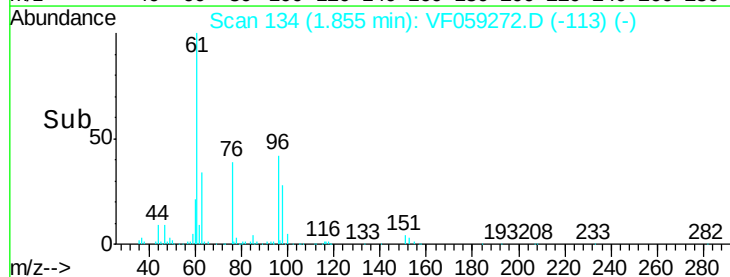
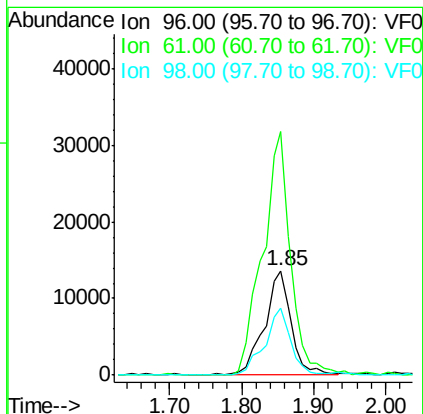
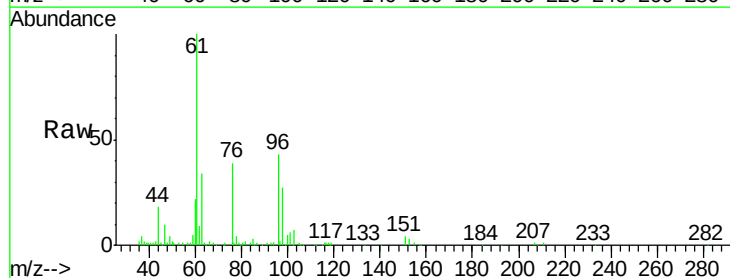
Tot Ion: 59 Resp: 20967
Ion Ratio Lower Upper
59 100
57 15.8 9.2 13.8#

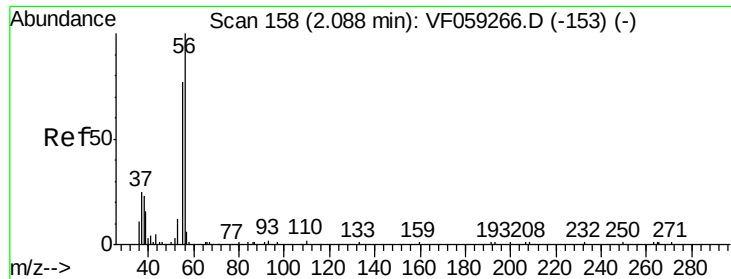


#12

1,1-Dichloroethene
Concen: 19.43 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Tgt Ion: 96 Resp: 35168
Ion Ratio Lower Upper
96 100
61 233.8 201.4 302.2
98 64.2 50.0 75.0





#13

Acrolein

Concen: 106.97 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

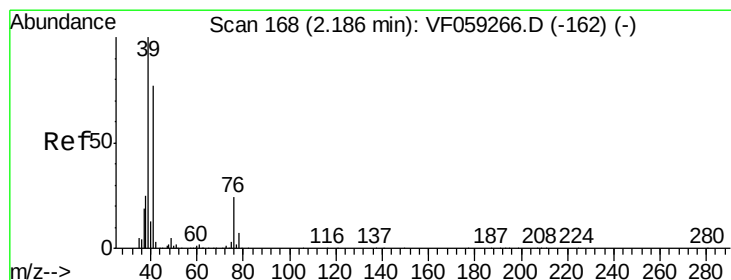
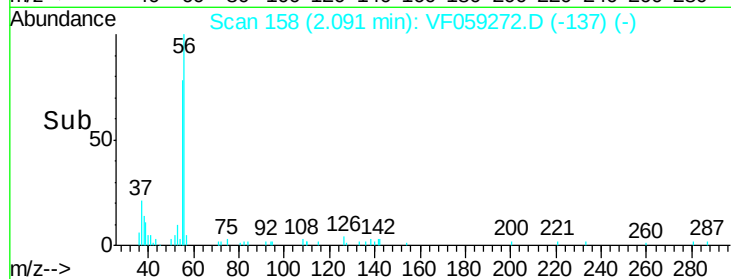
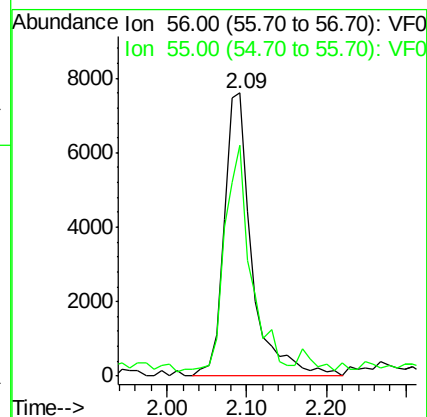
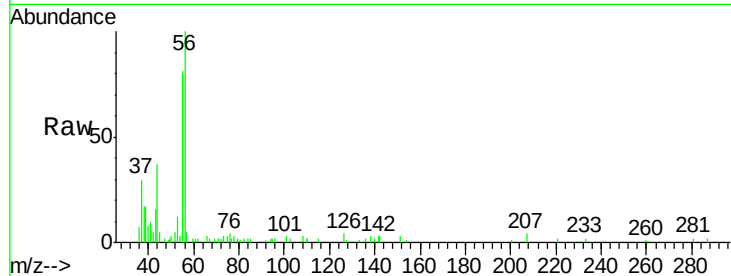
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 18604

Ion Ratio Lower Upper

56 100

55 81.4 63.0 94.6



#14

Allyl chloride

Concen: 19.26 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

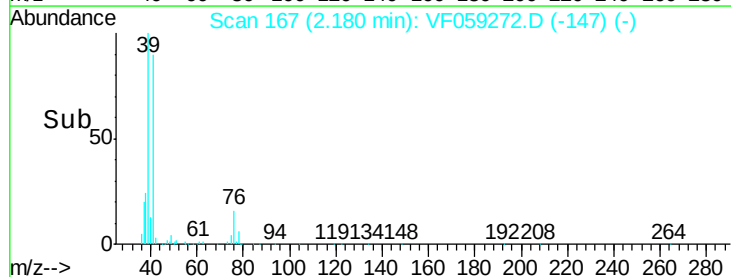
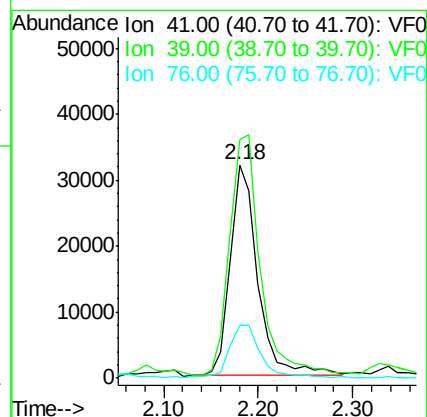
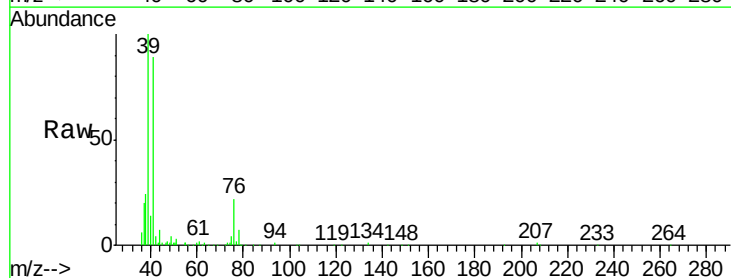
Tgt Ion: 41 Resp: 64353

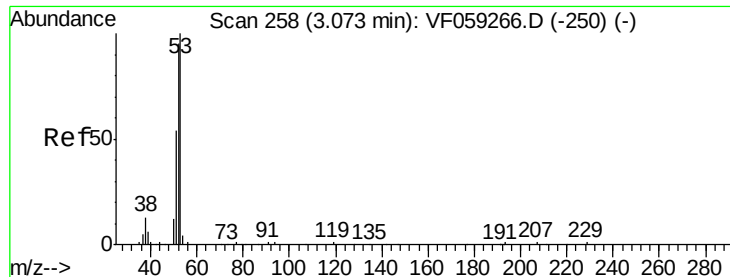
Ion Ratio Lower Upper

41 100

39 111.7 103.8 155.6

76 24.9 25.0 37.6#





#15

Acrylonitrile

Concen: 145.70 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :
MSVOA_F
ClientSampled :

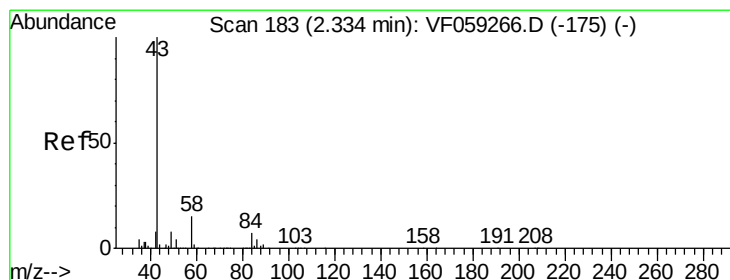
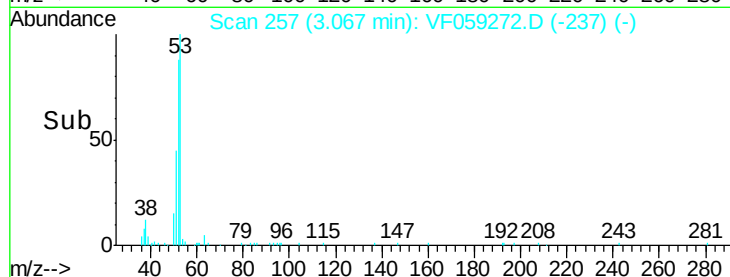
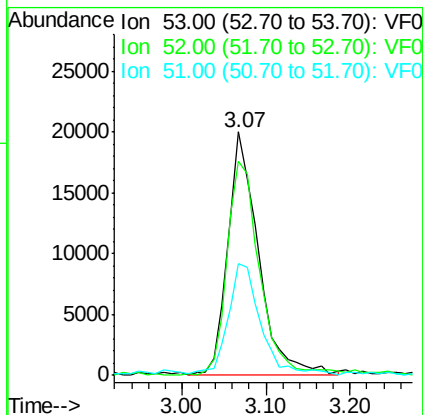
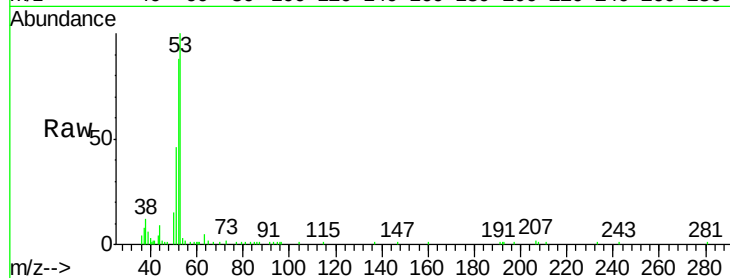
Tot Ion: 53 Resp: 51103

Ion Ratio Lower Upper

53 100

52 87.9 75.7 113.5

51 46.1 44.5 66.7



#16

Acetone

Concen: 83.86 ug/l

RT: 2.34 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059272.D

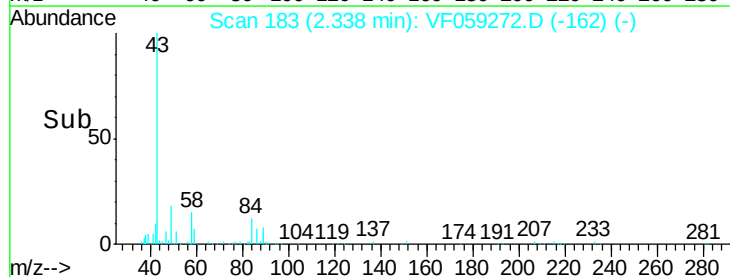
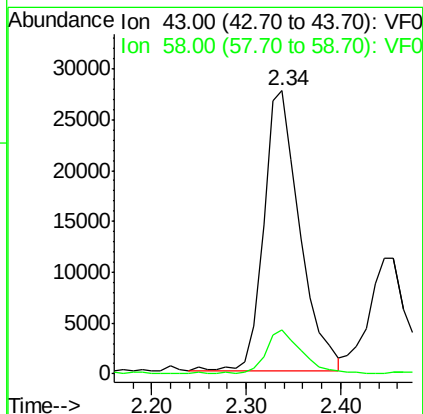
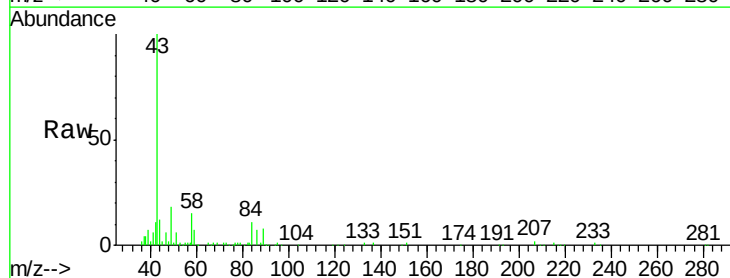
Acq: 21 Jun 2018 20:55

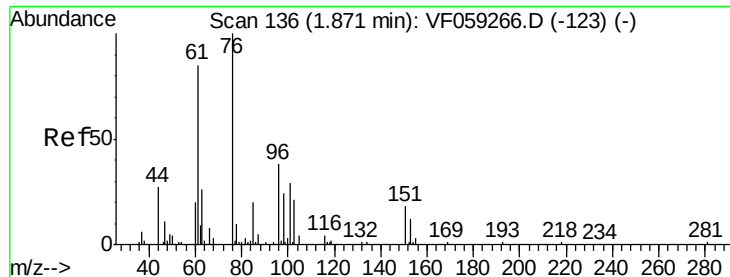
Tgt Ion: 43 Resp: 72673

Ion Ratio Lower Upper

43 100

58 15.3 12.1 18.1





#17

Carbon Disulfide

Concen: 18.77 ug/l

RT: 1.86 min Scan# 135

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

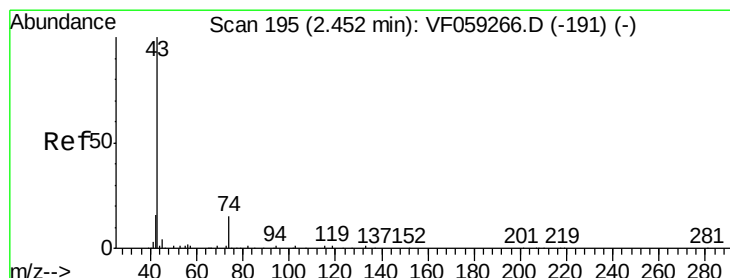
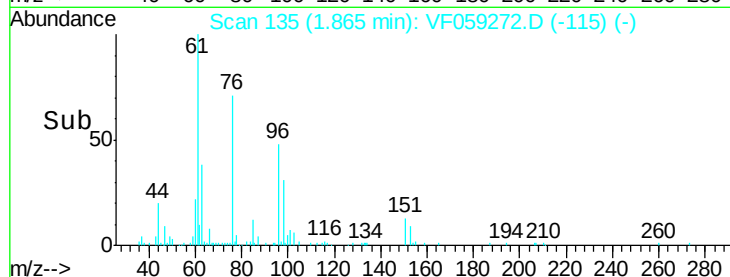
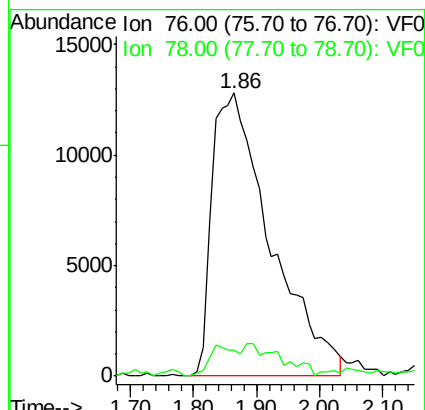
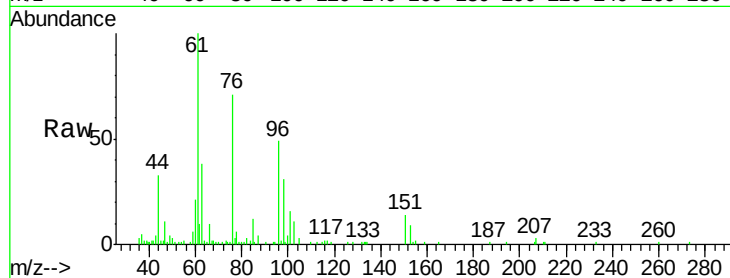
ClientSampled :

Tot Ion: 76 Resp: 82548

Ion Ratio Lower Upper

76 100

78 9.1 8.6 12.8



#18

Methyl Acetate

Concen: 17.03 ug/l

RT: 2.45 min Scan# 194

Delta R.T. -0.01 min

Lab File: VF059272.D

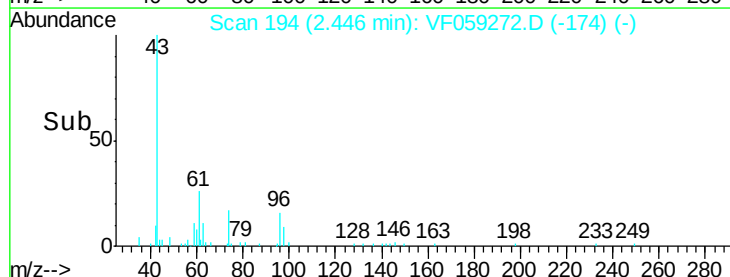
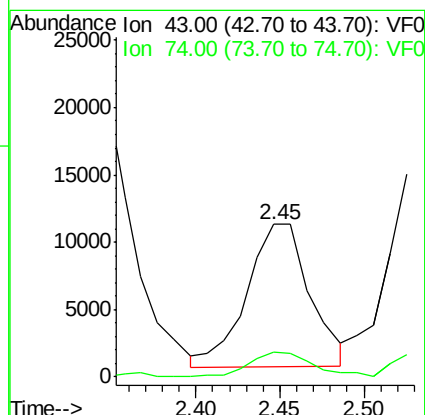
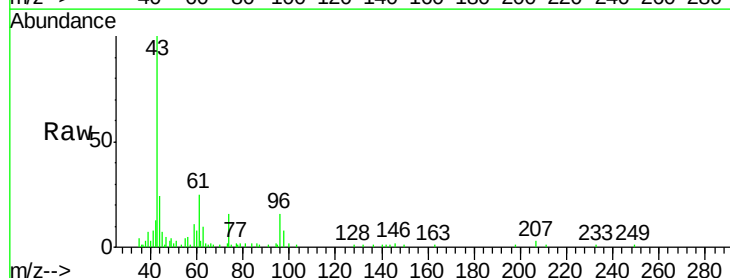
Acq: 21 Jun 2018 20:55

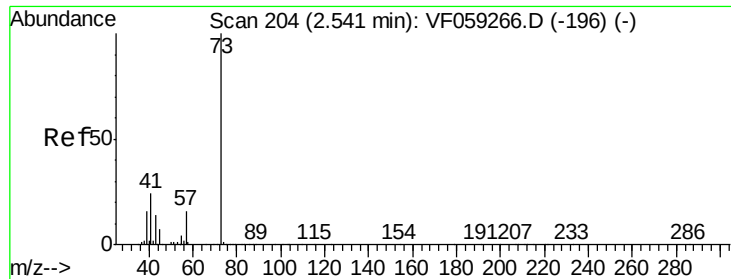
Tgt Ion: 43 Resp: 27821

Ion Ratio Lower Upper

43 100

74 16.2 11.0 16.4



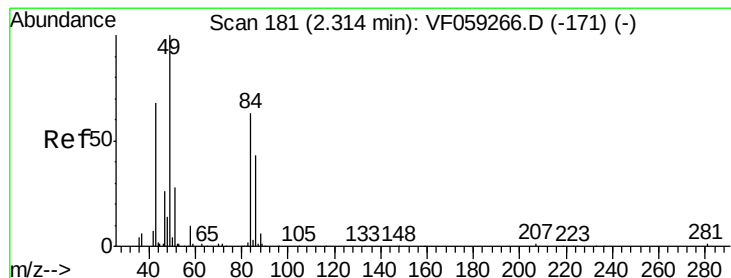
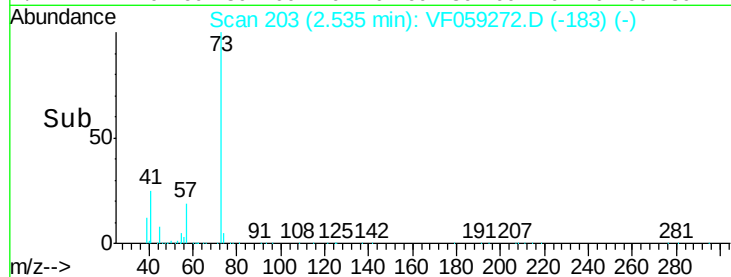
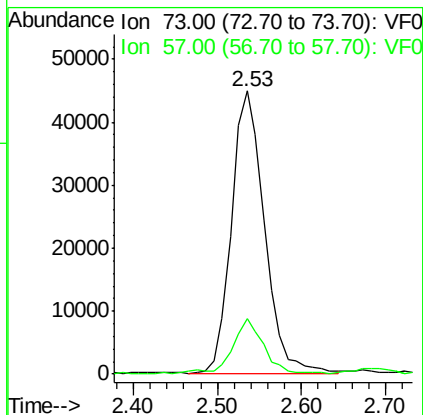
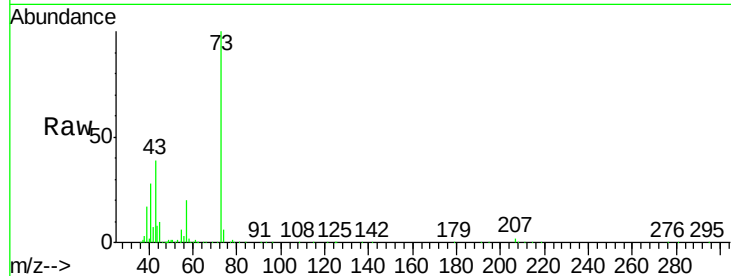


#19

Methyl tert-butyl Ether
Concen: 20.05 ug/l
RT: 2.53 min Scan# 203
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Instrument :
MSVOA_F
ClientSampleId :

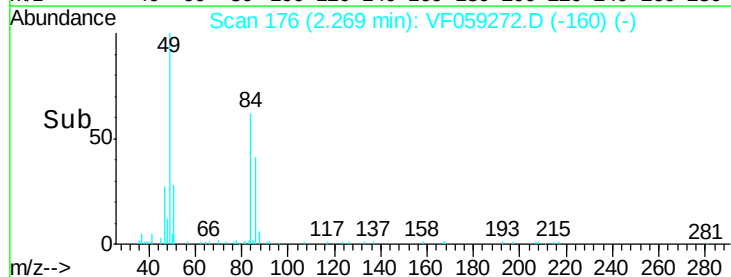
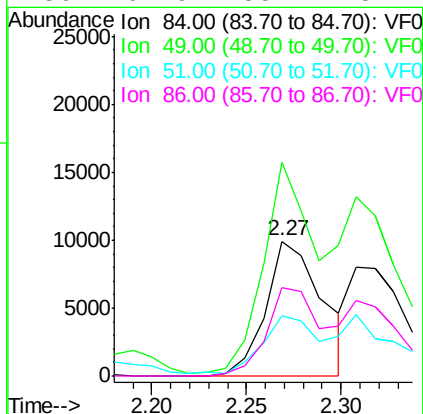
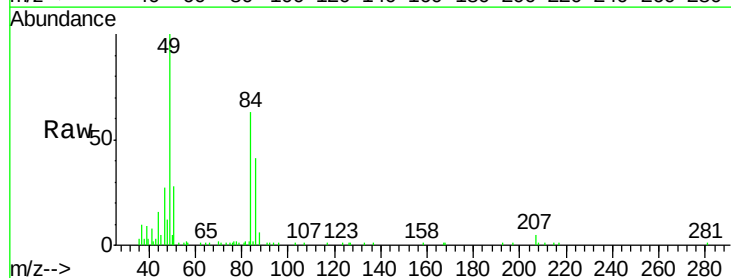
Tot Ion: 73 Resp: 121774
Ion Ratio Lower Upper
73 100
57 19.8 13.0 19.4#

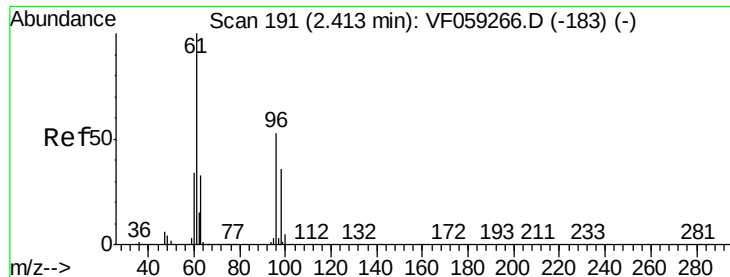


#20

Methylene Chloride
Concen: 10.24 ug/l
RT: 2.27 min Scan# 176
Delta R.T. -0.05 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Tgt Ion: 84 Resp: 20625
Ion Ratio Lower Upper
84 100
49 152.7 130.0 195.0
51 43.2 36.6 55.0
86 62.9 55.1 82.7





#21

trans-1,2-Dichloroethene

Concen: 18.82 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

ClientSampleId :

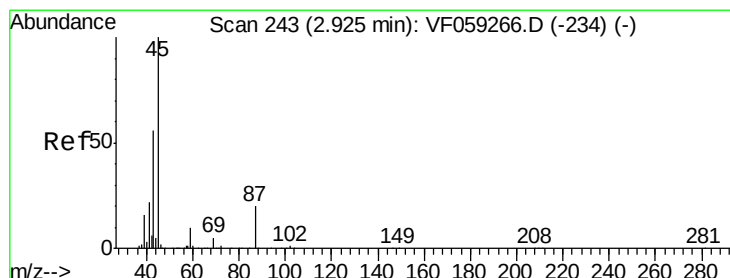
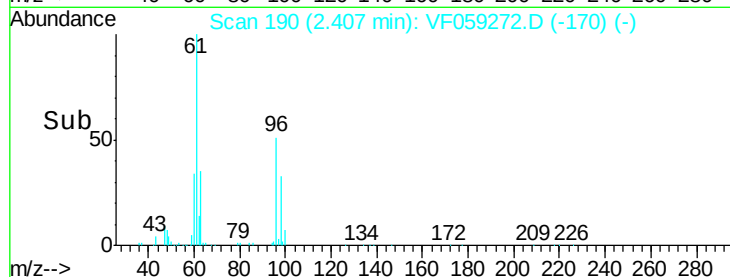
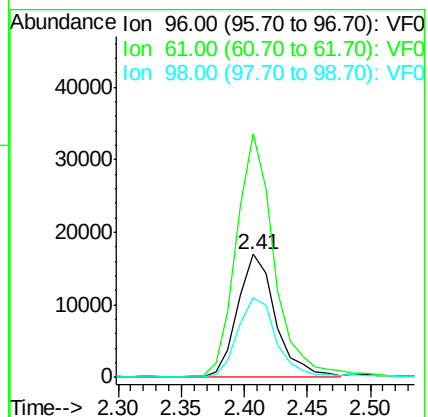
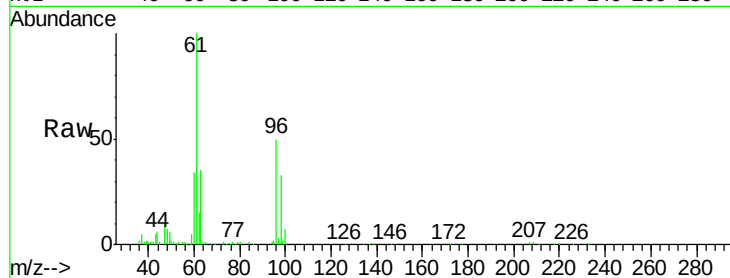
Tot Ion: 96 Resp: 35564

Ion Ratio Lower Upper

96 100

61 198.5 151.2 226.8

98 65.5 54.2 81.2



#22

Diisopropyl ether

Concen: 20.95 ug/l

RT: 2.92 min Scan# 242

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Tgt Ion: 45 Resp: 145265

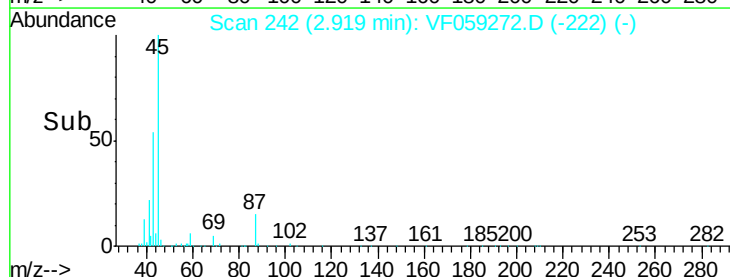
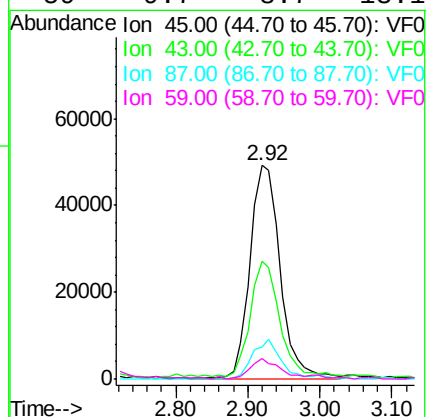
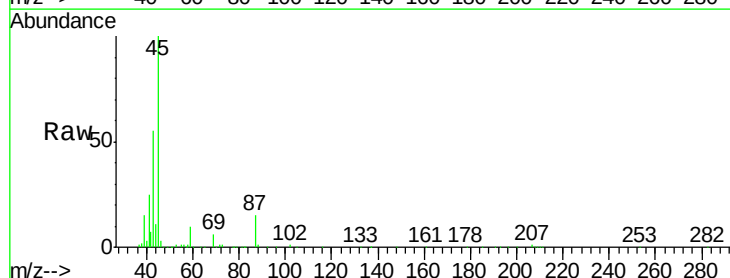
Ion Ratio Lower Upper

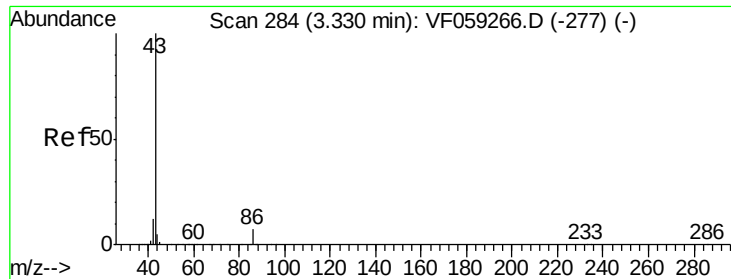
45 100

43 55.3 45.8 68.6

87 15.3 15.7 23.5#

59 9.7 8.7 13.1





#23

Vinyl Acetate

Concen: 105.93 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

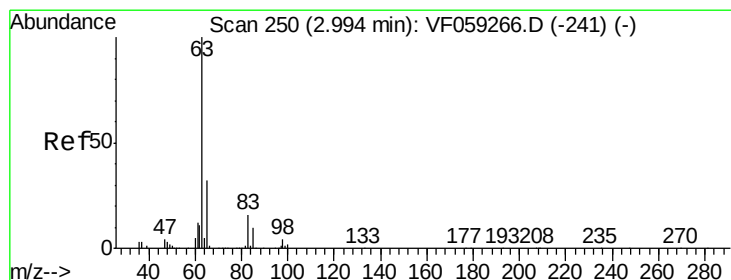
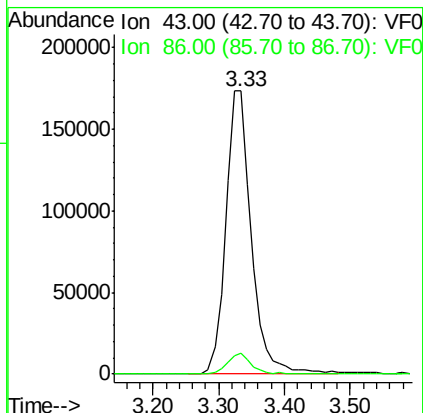
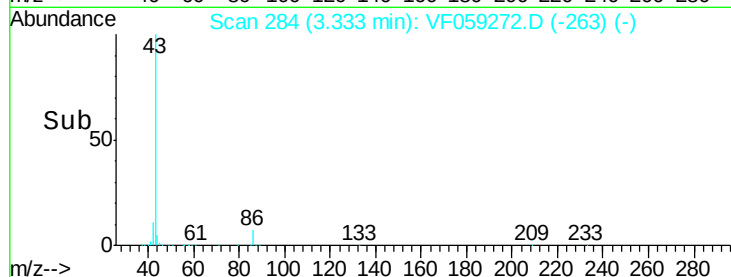
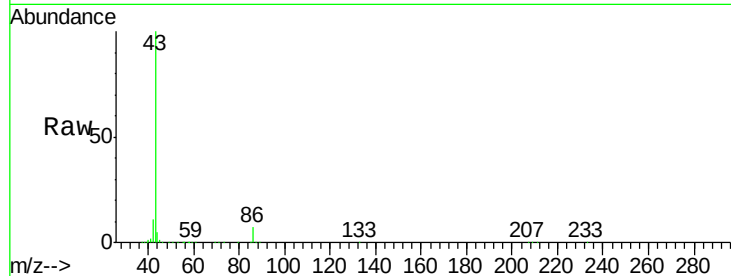
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 469764

Ion Ratio Lower Upper

43 100

86 7.2 5.4 8.2



#24

1,1-Dichloroethane

Concen: 19.80 ug/l

RT: 3.00 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

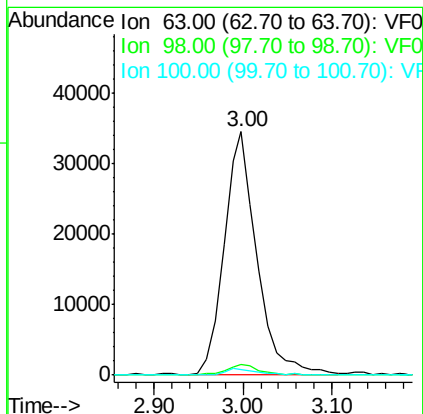
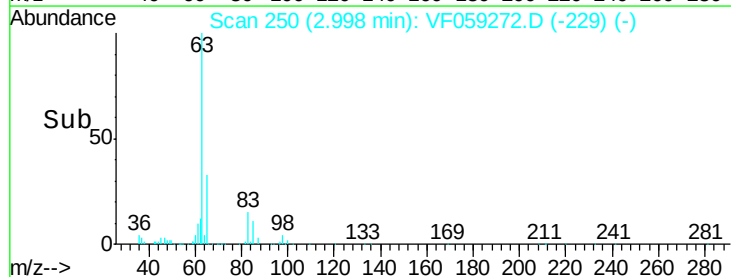
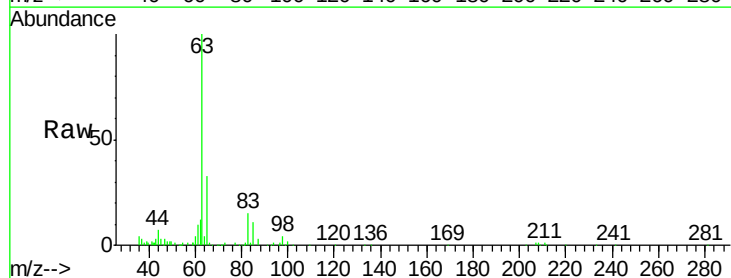
Tgt Ion: 63 Resp: 88984

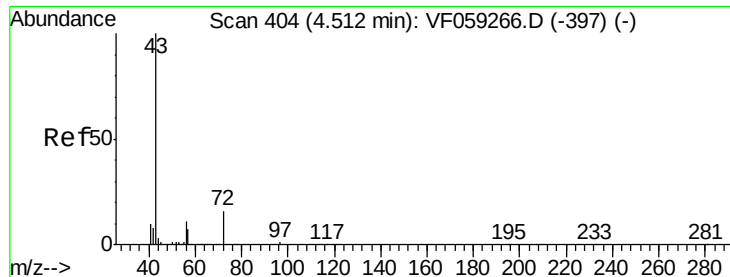
Ion Ratio Lower Upper

63 100

98 4.5 2.0 5.8

100 2.3 1.1 3.1





#25

2-Butanone

Concen: 93.75 ug/l

RT: 4.51 min Scan# 403

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

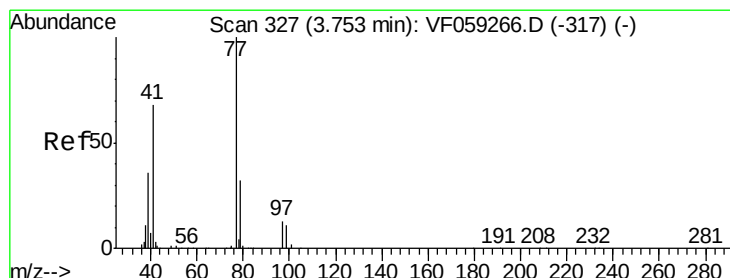
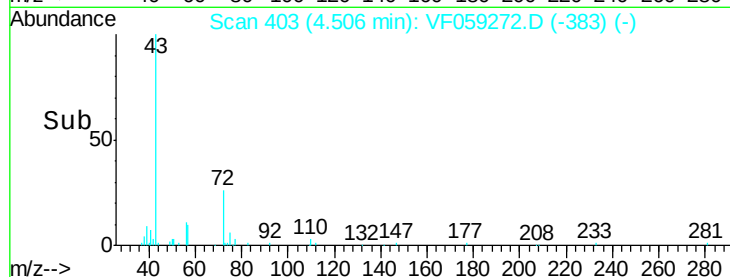
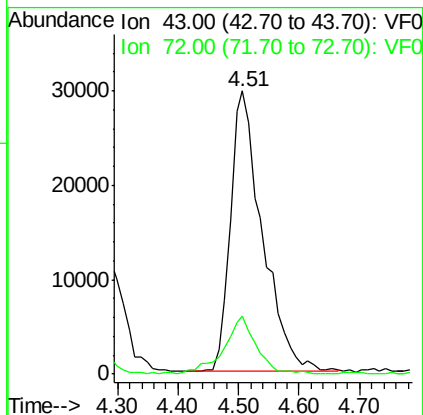
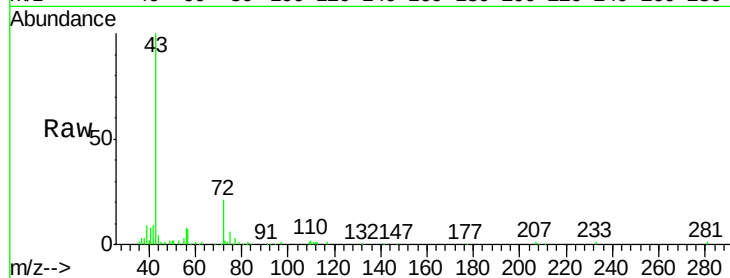
ClientSampleId :

Tot Ion: 43 Resp: 108375

Ion Ratio Lower Upper

43 100

72 20.6 15.2 22.8



#26

2,2-Dichloropropane

Concen: 20.56 ug/l

RT: 3.75 min Scan# 326

Delta R.T. -0.01 min

Lab File: VF059272.D

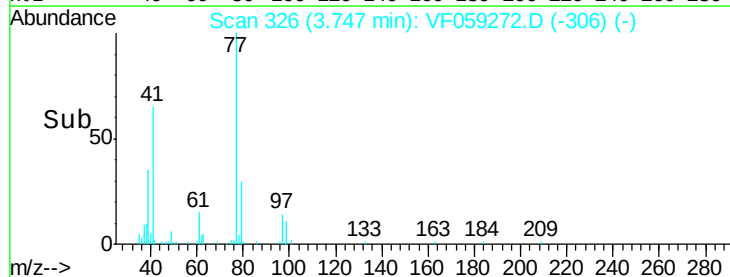
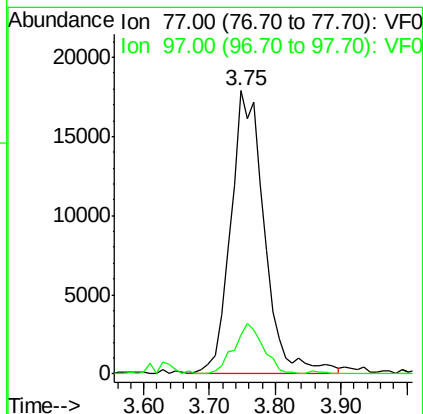
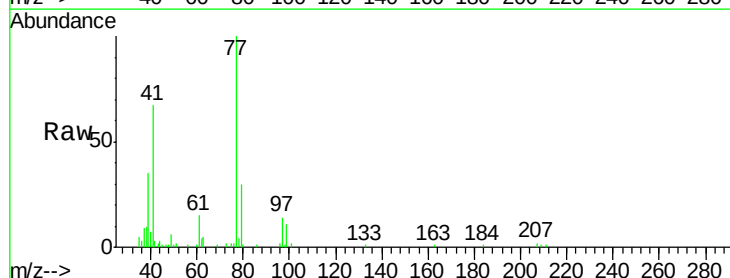
Acq: 21 Jun 2018 20:55

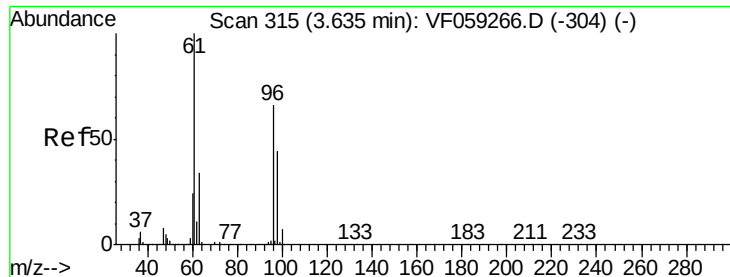
Tgt Ion: 77 Resp: 64404

Ion Ratio Lower Upper

77 100

97 13.8 7.6 22.8



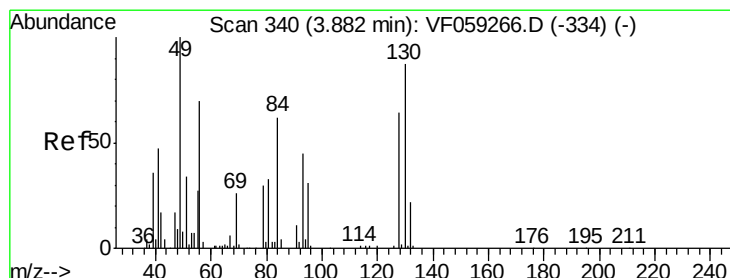
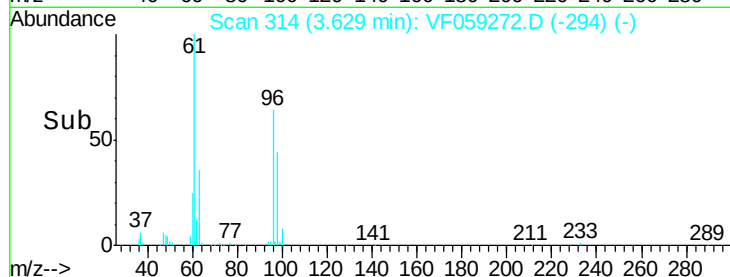
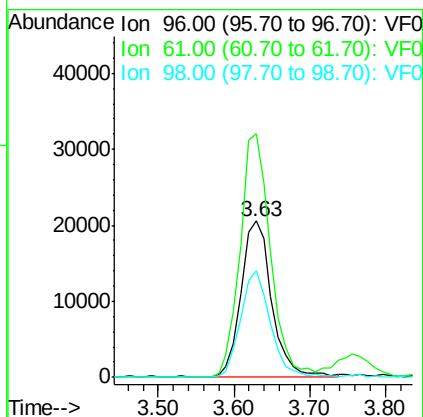
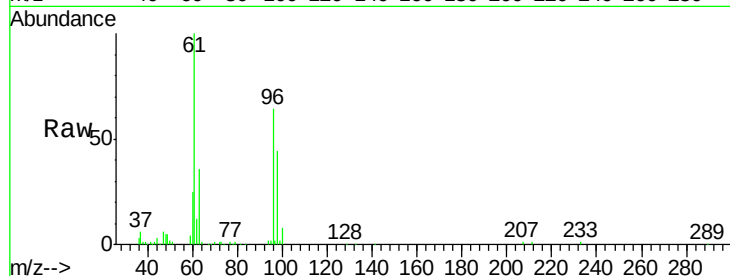


#27

cis-1,2-Dichloroethene
Concen: 20.34 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Instrument :
MSVOA_F
ClientSampleId :

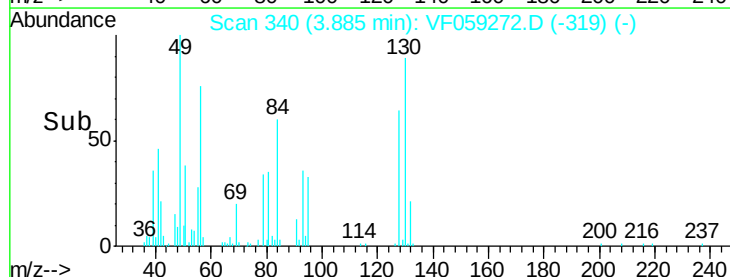
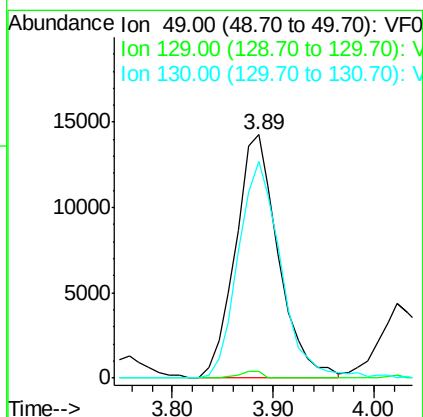
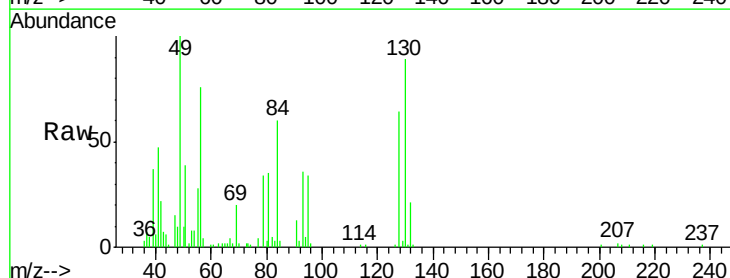
Tot Ion	96	Resp	58393
Ion	Ratio	Lower	Upper
96	100		
61	155.9	0.0	305.0
98	67.9	0.0	134.0

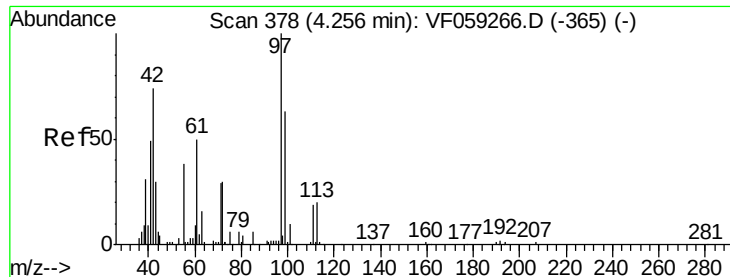


#28

Bromochloromethane
Concen: 22.61 ug/l
RT: 3.89 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Tgt Ion	49	Resp	42337
Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	3.8
130	88.9	69.4	104.2





#29

Tetrahydrofuran

Concen: 90.45 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

ClientSampleId :

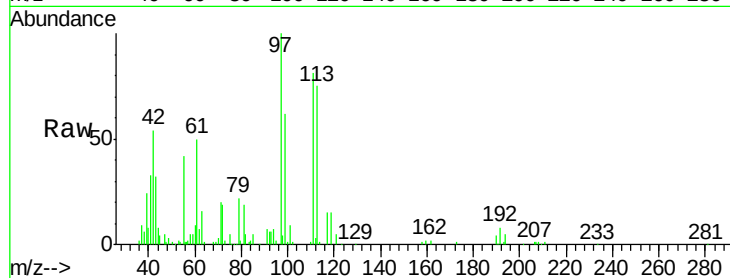
Tot Ion: 42 Resp: 46945

Ion Ratio Lower Upper

42 100

72 40.6 31.2 46.8

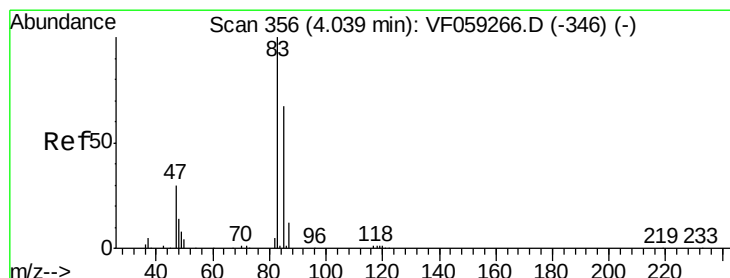
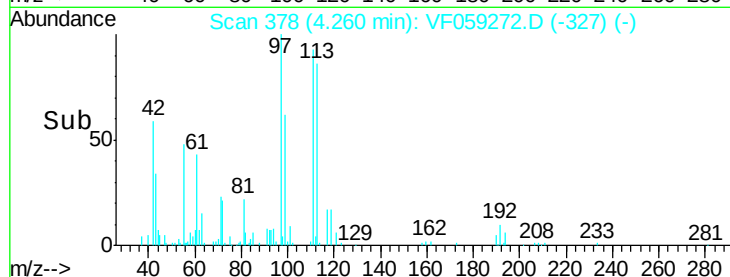
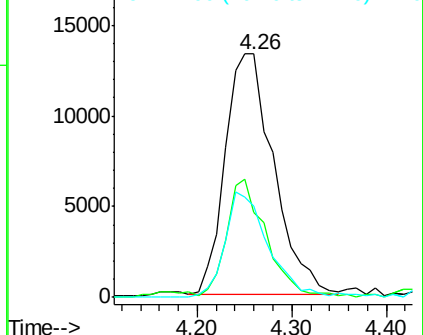
71 38.9 30.2 45.2



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: 19.89 ug/l

RT: 4.03 min Scan# 355

Delta R.T. -0.01 min

Lab File: VF059272.D

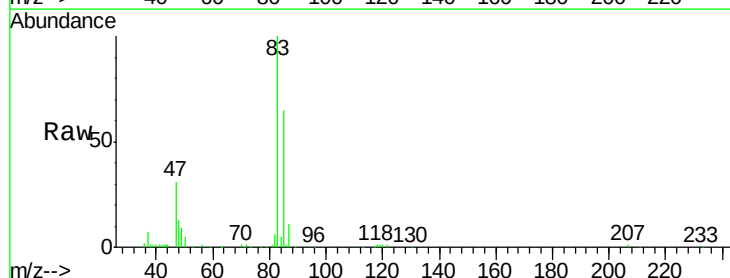
Acq: 21 Jun 2018 20:55

Tgt Ion: 83 Resp: 129425

Ion Ratio Lower Upper

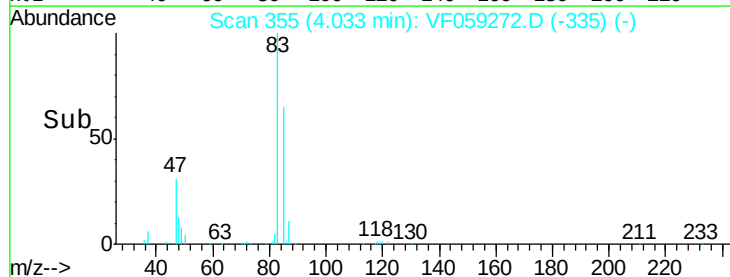
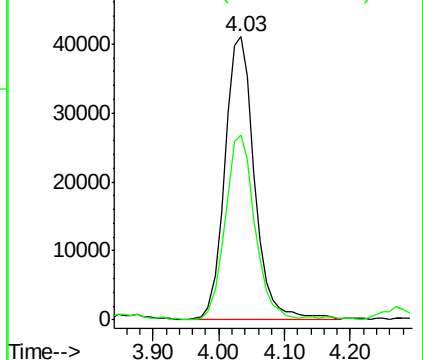
83 100

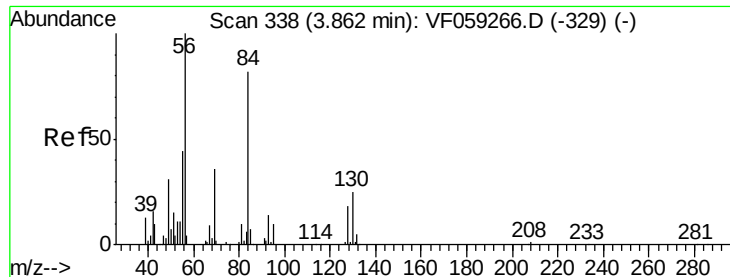
85 65.5 54.2 81.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

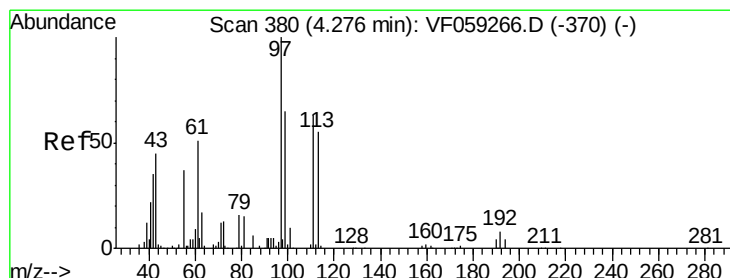
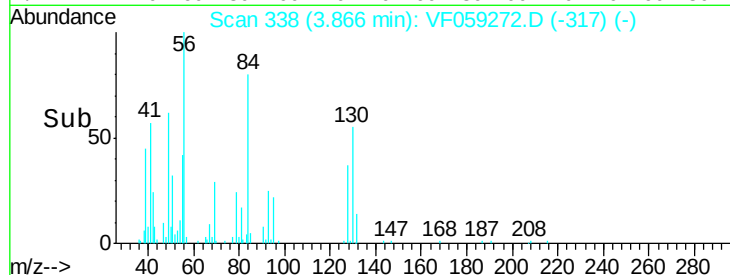
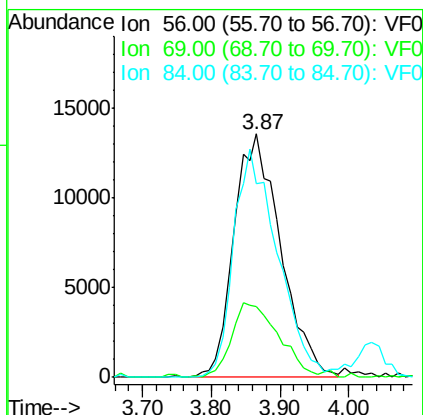
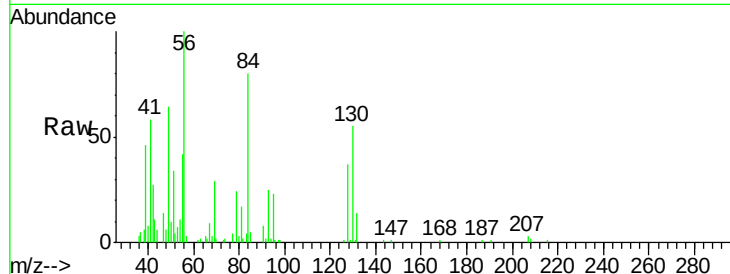




#31
Cyclohexane
Concen: 20.64 ug/l
RT: 3.87 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

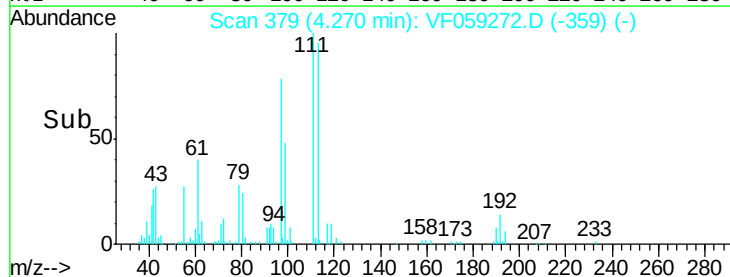
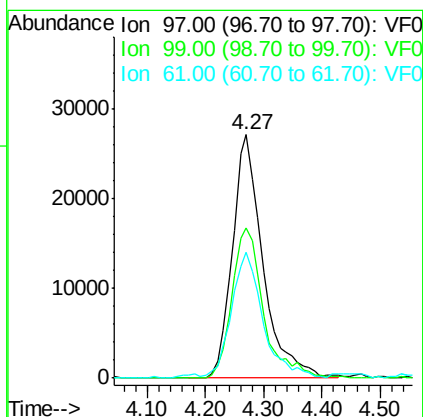
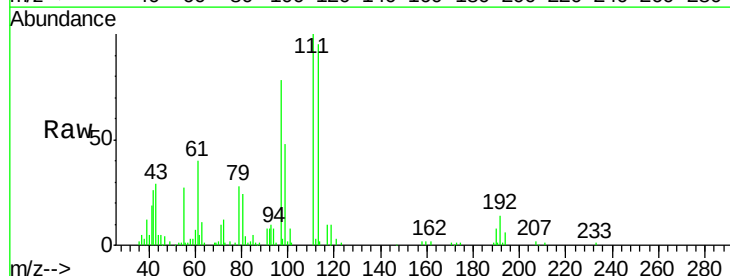
Instrument :
MSVOA_F
ClientSampleId :

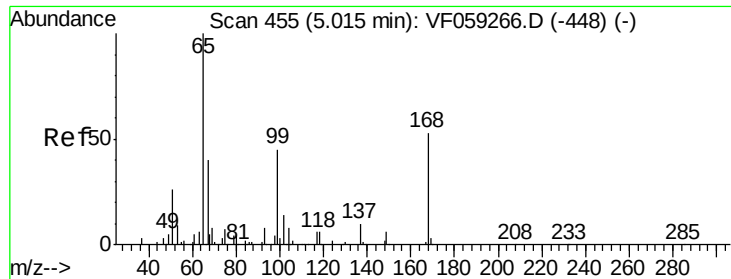
Tot Ion: 56 Resp: 63850
Ion Ratio Lower Upper
56 100
69 29.3 28.6 43.0
84 79.7 65.8 98.6



#32
1,1,1-Trichloroethane
Concen: 20.14 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Tgt Ion: 97 Resp: 98978
Ion Ratio Lower Upper
97 100
99 61.6 52.4 78.6
61 51.7 40.9 61.3

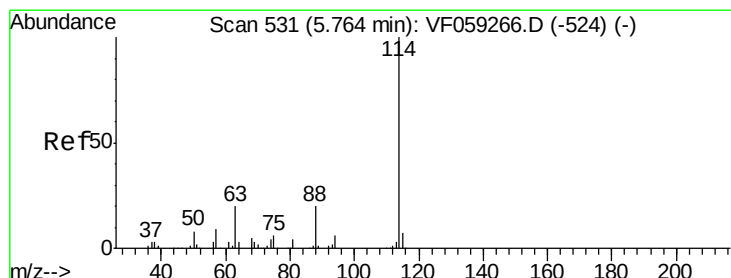
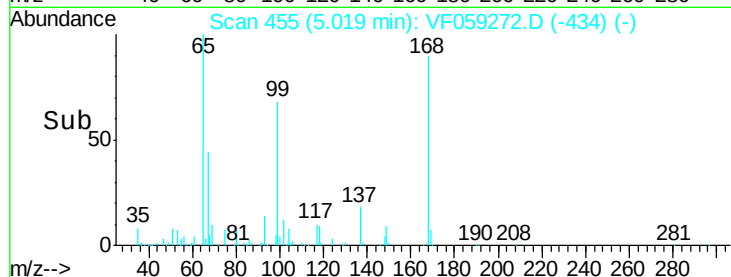
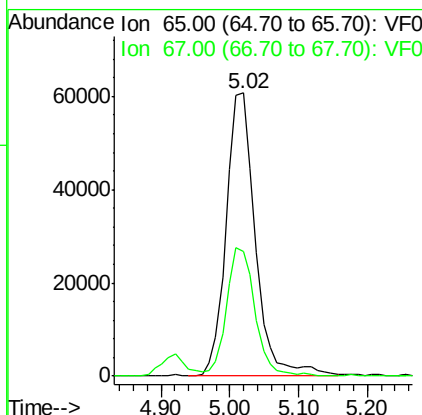
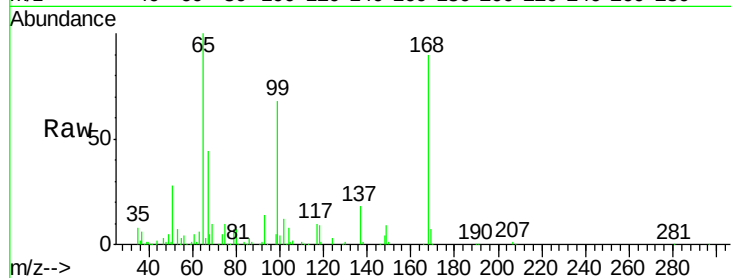




#33
 1,2-Dichloroethane-d4
 Concen: 48.16 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059272.D
 Acq: 21 Jun 2018 20:55

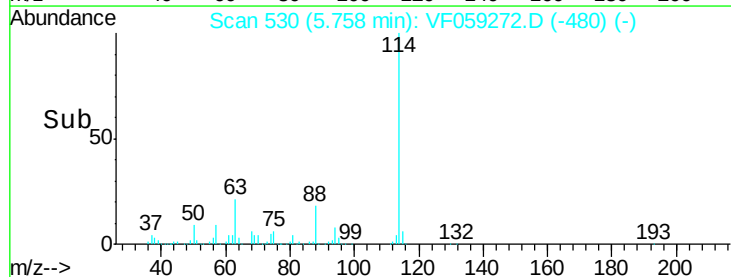
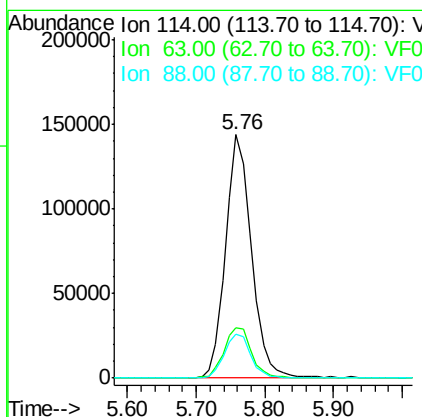
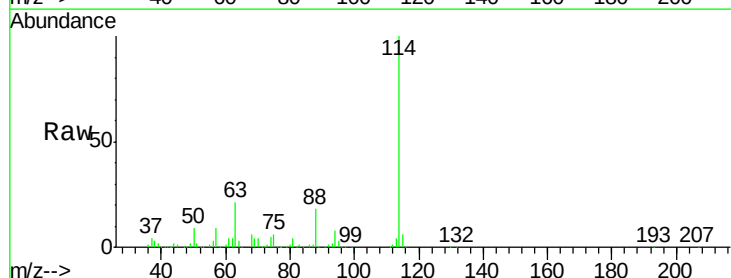
Instrument :
 MSVOA_F
 ClientSampleId :

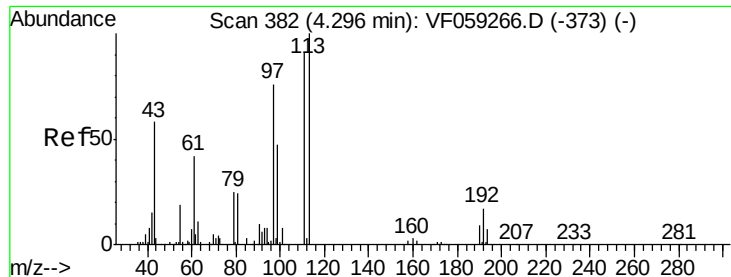
Tot Ion: 65 Resp: 176597
 Ion Ratio Lower Upper
 65 100
 67 44.1 0.0 95.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059272.D
 Acq: 21 Jun 2018 20:55

Tgt Ion: 114 Resp: 376043
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.0
 88 18.2 0.0 39.6





#35

Dibromofluoromethane

Concen: 49.00 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :
MSVOA_F
ClientSampleId :

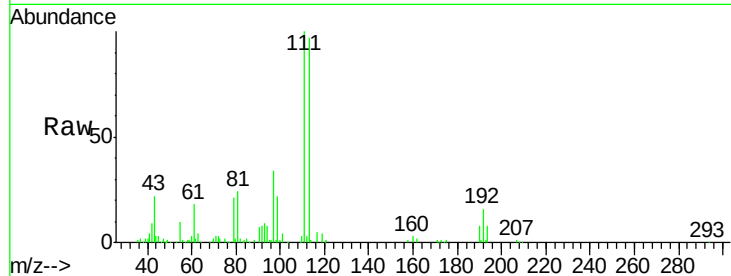
Tot Ion:113 Resp: 155018

Ion Ratio Lower Upper

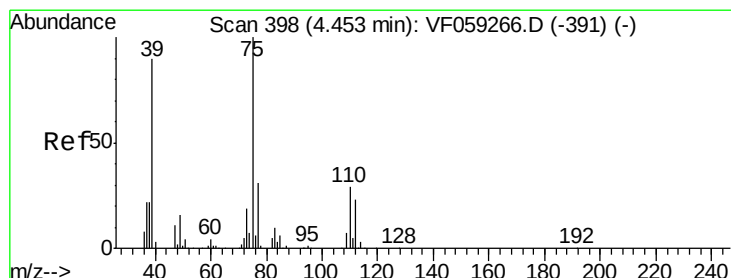
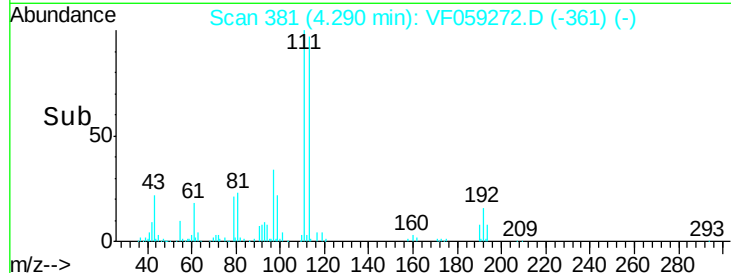
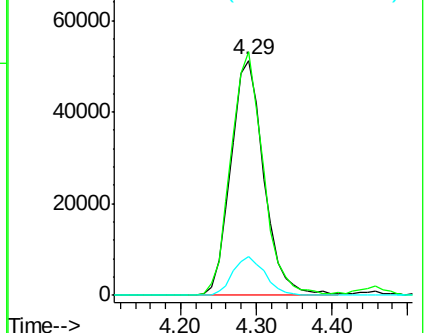
113 100

111 103.5 73.1 109.7

192 16.7 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: 20.76 ug/l

RT: 4.46 min Scan# 398

Delta R.T. 0.00 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

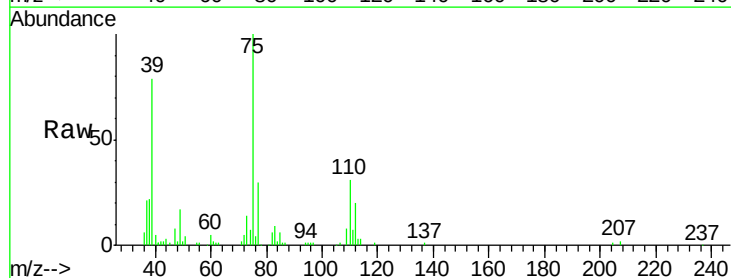
Tgt Ion: 75 Resp: 82040

Ion Ratio Lower Upper

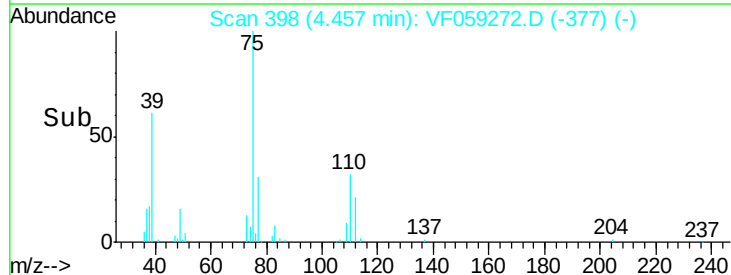
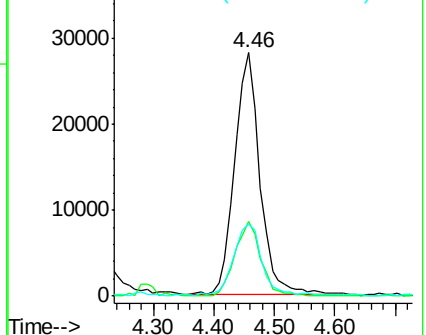
75 100

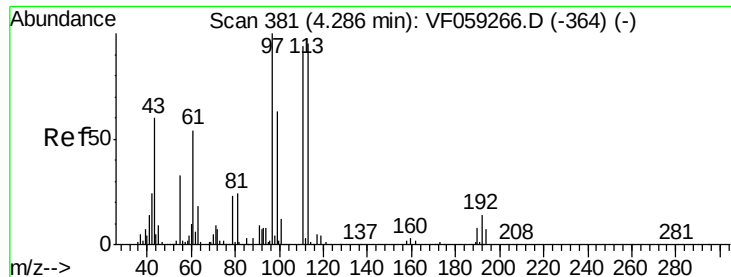
110 30.7 14.5 43.5

77 29.7 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

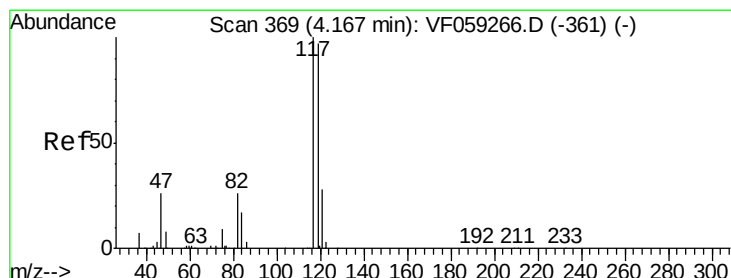
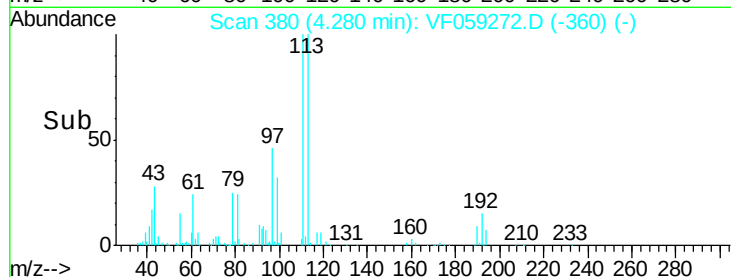
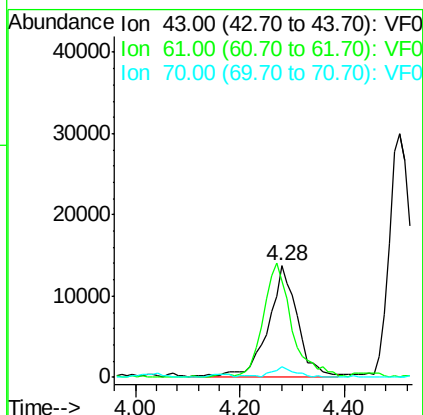
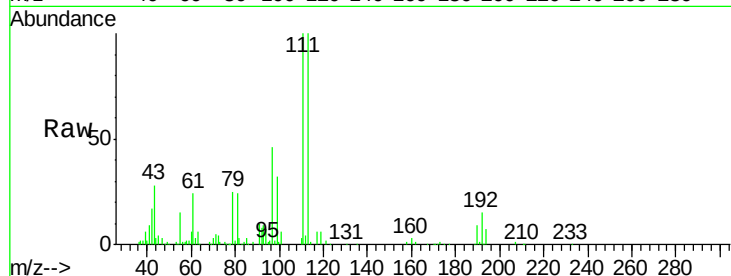




#37
Ethyl Acetate
Concen: 20.50 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

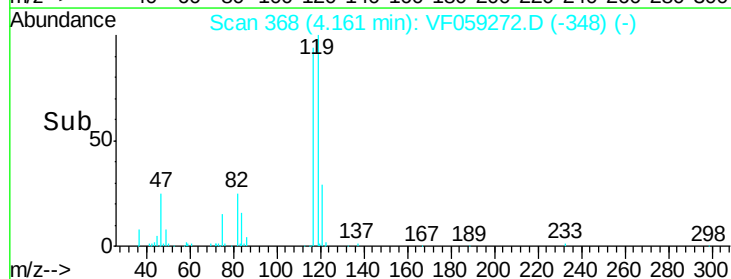
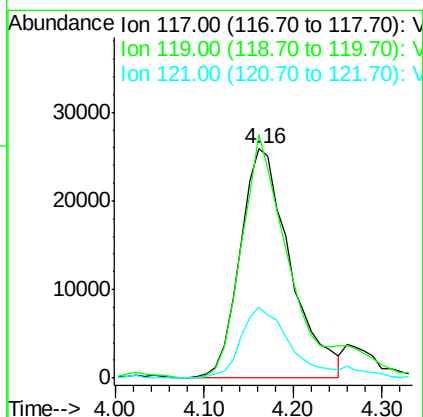
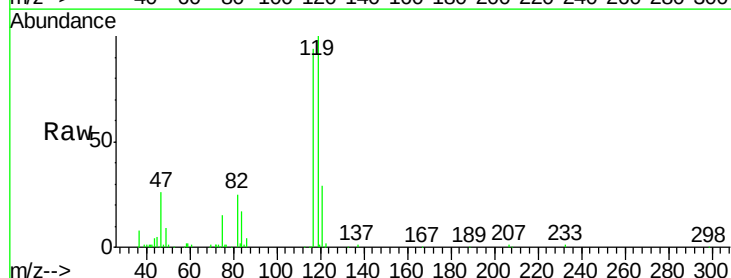
Instrument :
MSVOA_F
ClientSampleId :

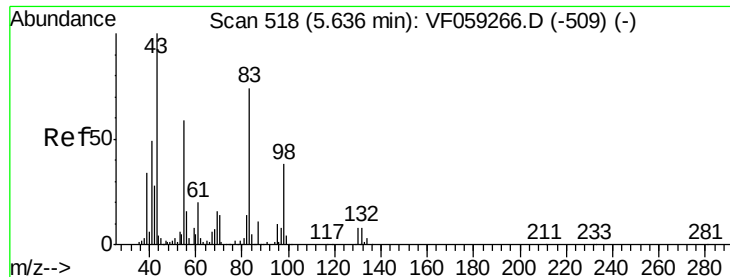
Tot Ion: 43 Resp: 51776
Ion Ratio Lower Upper
43 100
61 86.6 71.6 107.4
70 9.6 6.9 10.3



#38
Carbon Tetrachloride
Concen: 20.79 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Tgt Ion: 117 Resp: 100930
Ion Ratio Lower Upper
117 100
119 106.2 77.5 116.3
121 30.7 22.2 33.4

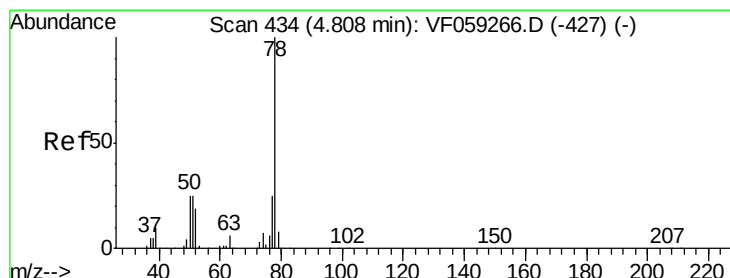
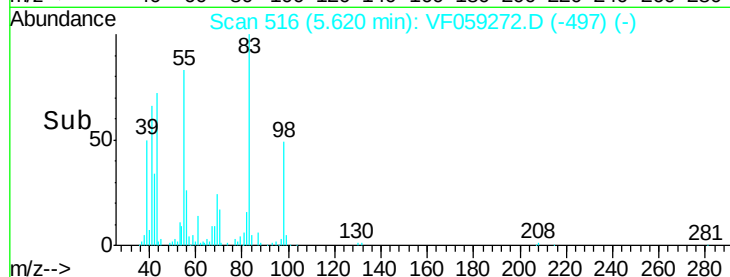
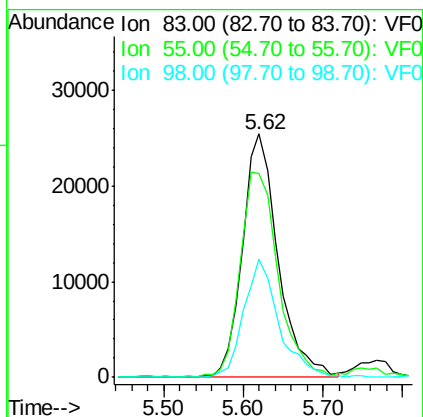
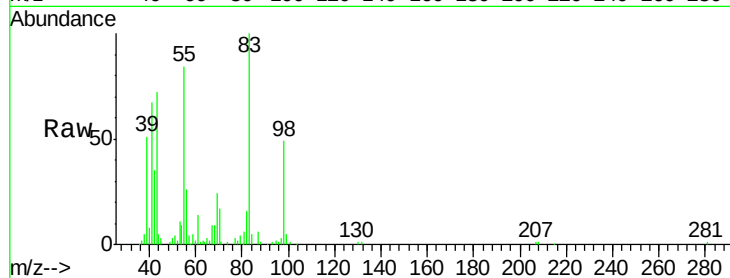




#39
Methylvlcyclohexane
Concen: 22.22 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

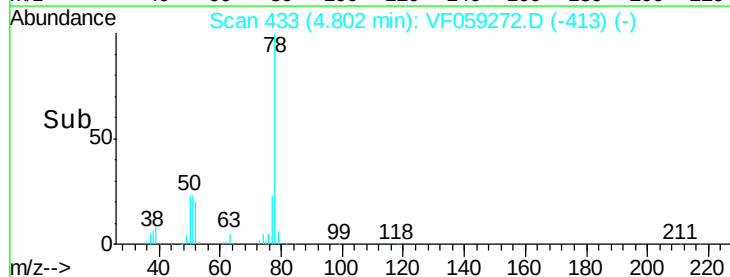
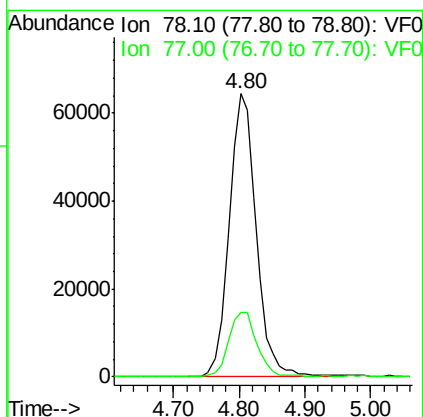
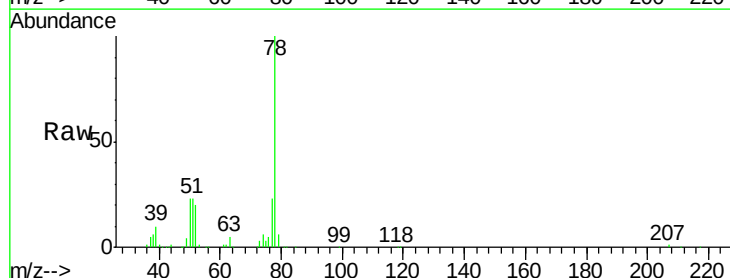
Instrument :
MSVOA_F
ClientSampleId :

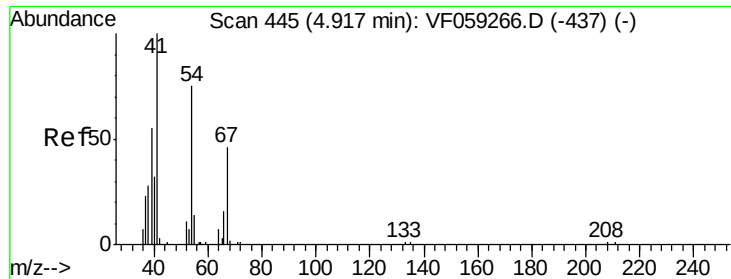
Tot Ion: 83 Resp: 78570
Ion Ratio Lower Upper
83 100
55 83.7 63.7 95.5
98 48.7 41.6 62.4



#40
Benzene
Concen: 22.16 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Tgt Ion: 78 Resp: 185805
Ion Ratio Lower Upper
78 100
77 23.0 20.4 30.6





#41

Methacrylonitrile

Concen: 19.36 ug/l

RT: 4.91 min Scan# 444

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 41 Resp: 23359

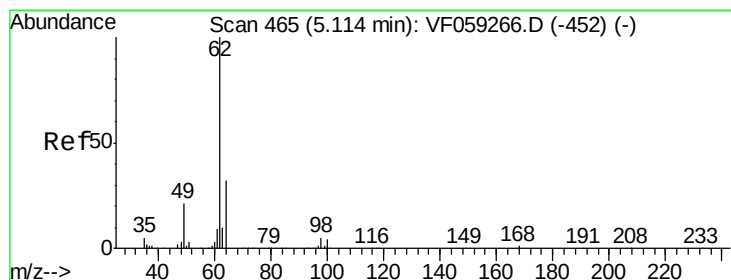
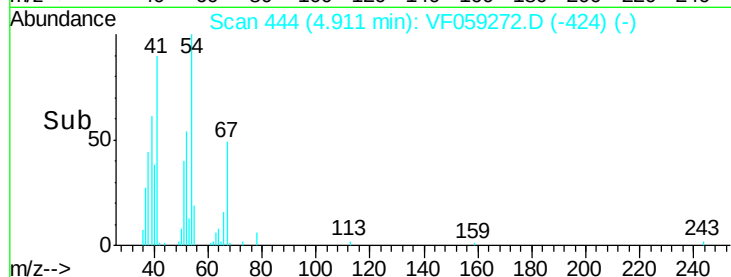
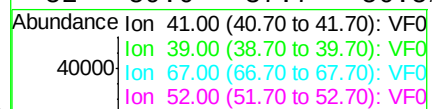
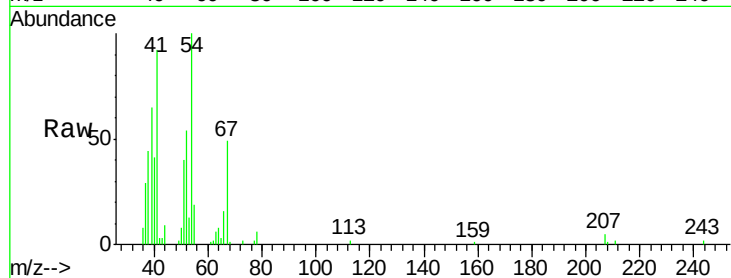
Ion Ratio Lower Upper

41 100

39 70.6 57.0 85.6

67 52.6 36.8 55.2

52 59.0 37.7 56.5#



#42

1,2-Dichloroethane

Concen: 20.94 ug/l

RT: 5.12 min Scan# 465

Delta R.T. 0.00 min

Lab File: VF059272.D

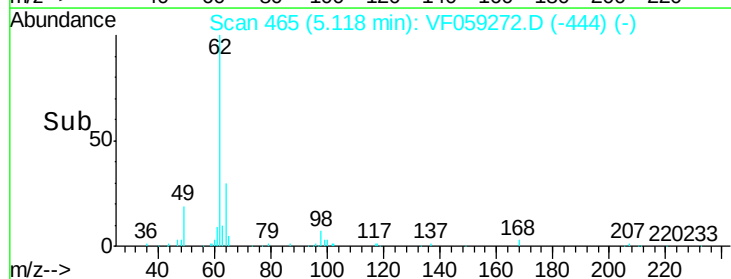
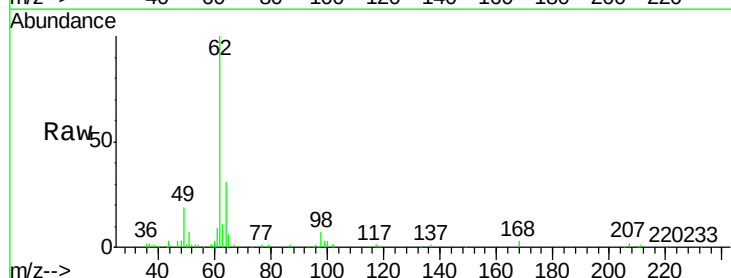
Acq: 21 Jun 2018 20:55

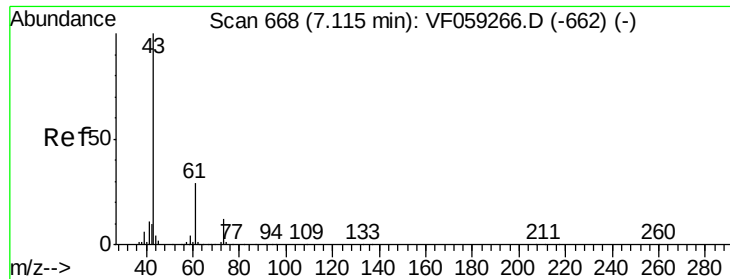
Tgt Ion: 62 Resp: 101149

Ion Ratio Lower Upper

62 100

98 6.5 0.0 10.4





#43

Isopropyl Acetate

Concen: 20.27 ug/l

RT: 7.11 min Scan# 667

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

ClientSampleId :

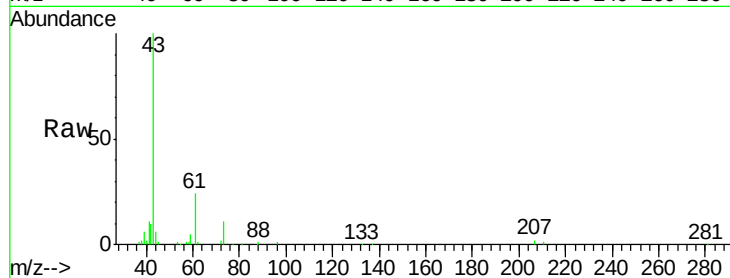
Tot Ion: 43 Resp: 62721

Ion Ratio Lower Upper

43 100

61 24.2 22.8 34.2

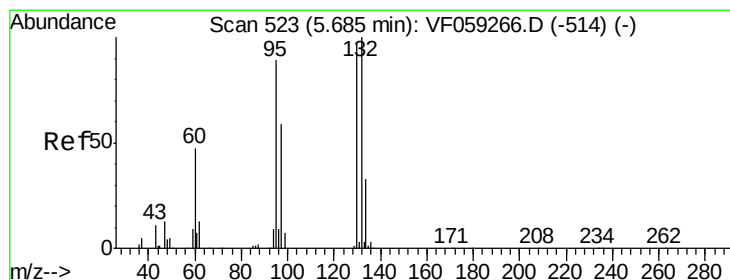
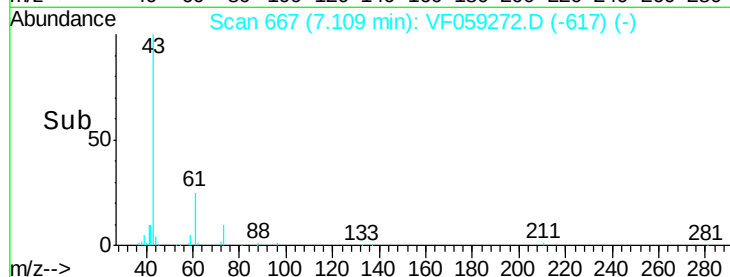
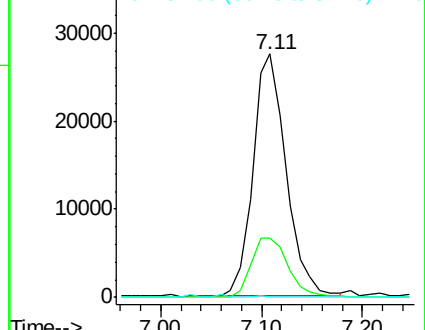
87 0.4 0.3 0.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 20.27 ug/l

RT: 5.66 min Scan# 520

Delta R.T. -0.03 min

Lab File: VF059272.D

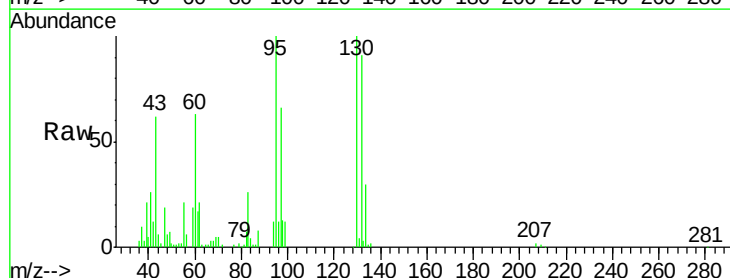
Acq: 21 Jun 2018 20:55

Tgt Ion:130 Resp: 58889

Ion Ratio Lower Upper

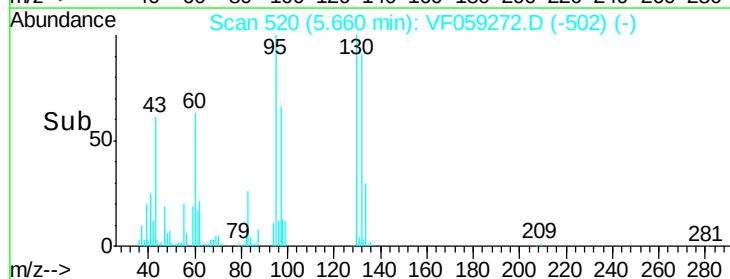
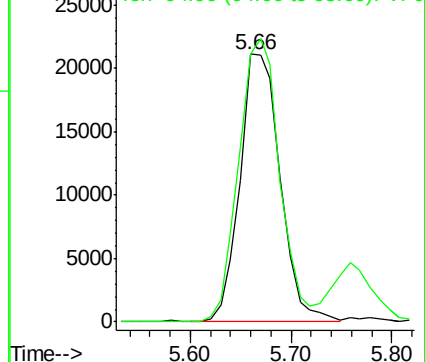
130 100

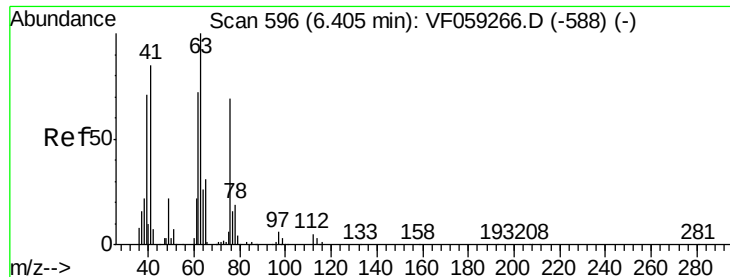
95 100.1 0.0 183.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 20.85 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

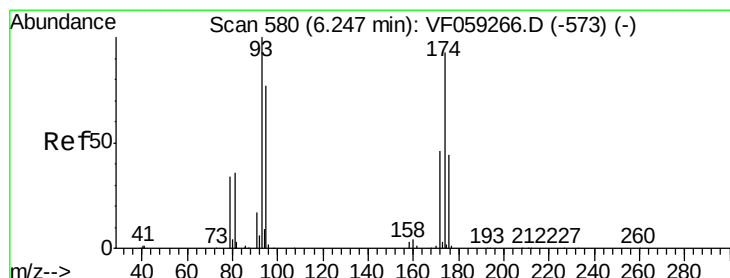
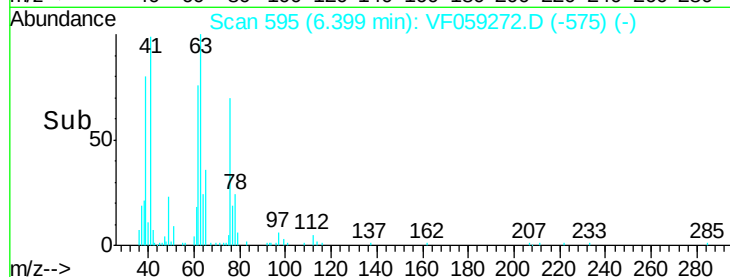
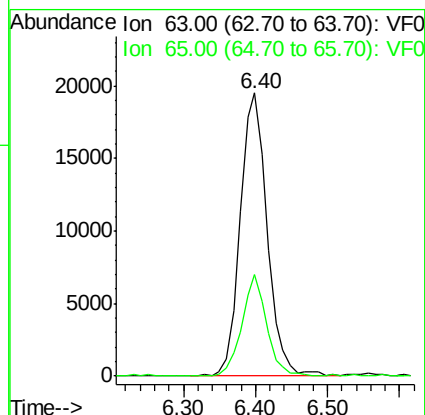
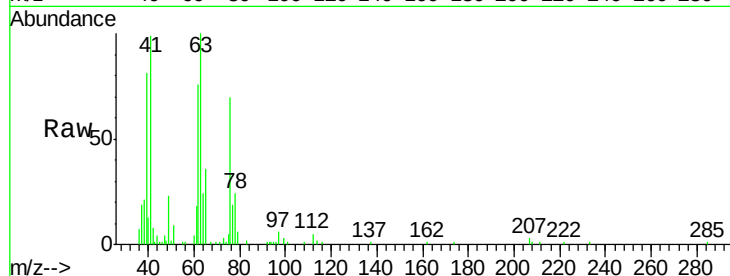
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 51014

Ion Ratio Lower Upper

63 100

65 35.9 25.3 37.9



#46

Dibromomethane

Concen: 20.91 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

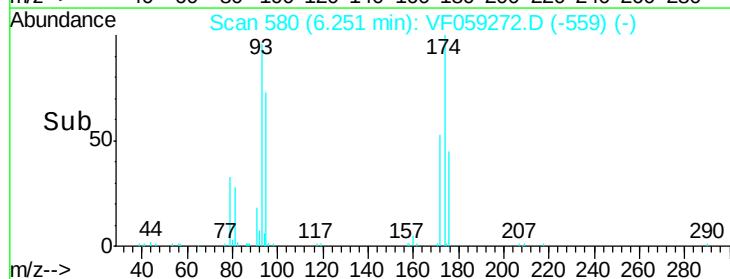
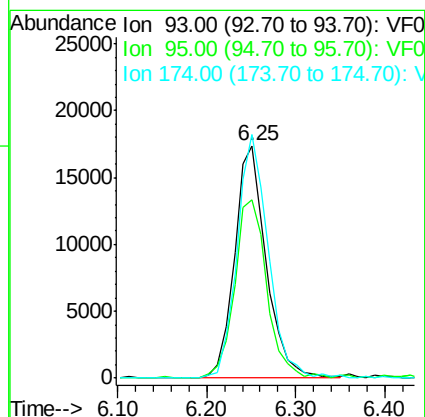
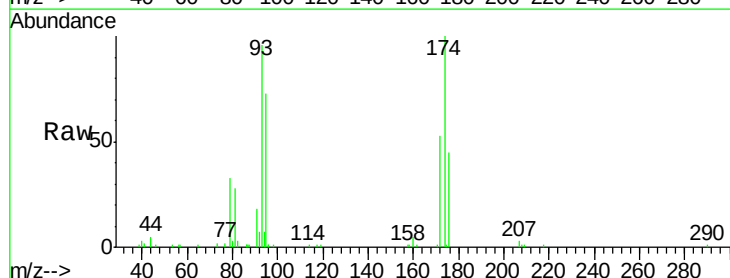
Tgt Ion: 93 Resp: 43173

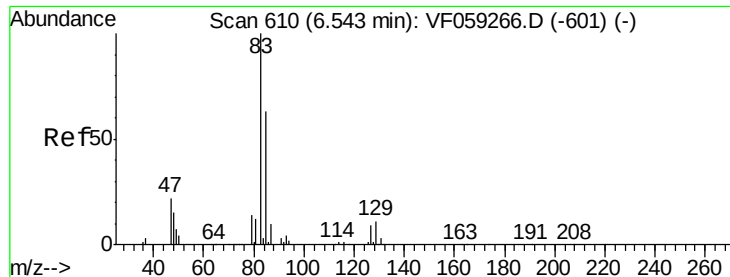
Ion Ratio Lower Upper

93 100

95 77.3 61.8 92.6

174 106.0 74.4 111.6





#47

Bromodichloromethane

Concen: 21.14 ug/l

RT: 6.55 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :
MSVOA_F
ClientSampleId :

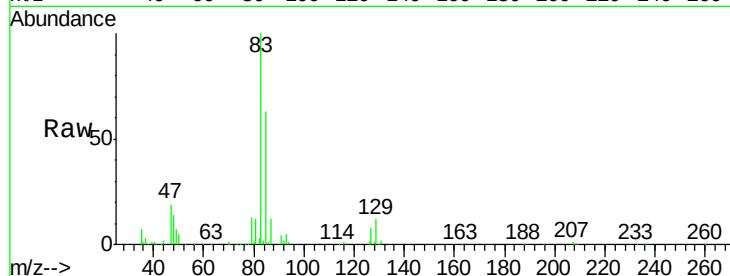
Tot Ion: 83 Resp: 104477

Ion Ratio Lower Upper

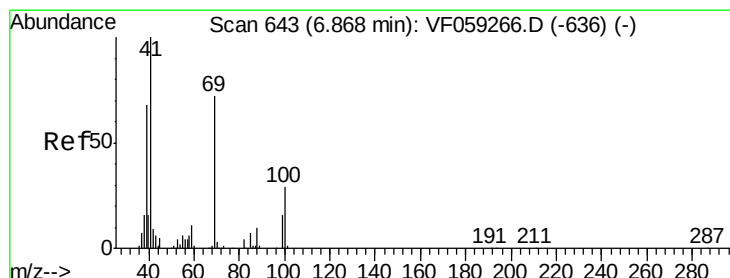
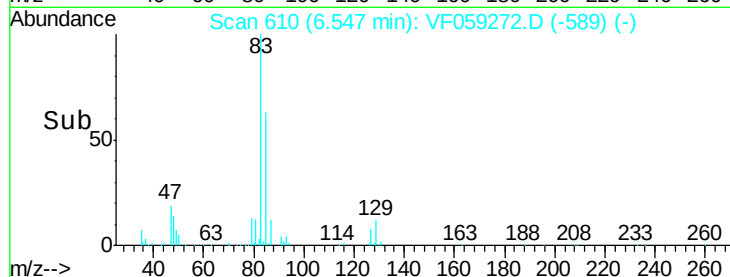
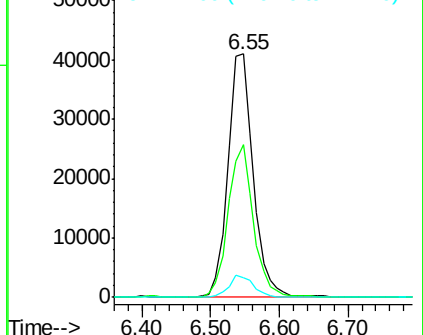
83 100

85 62.9 50.3 75.5

127 8.1 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 20.87 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

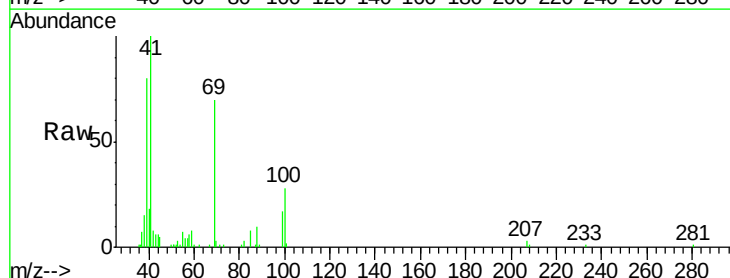
Tgt Ion: 41 Resp: 40880

Ion Ratio Lower Upper

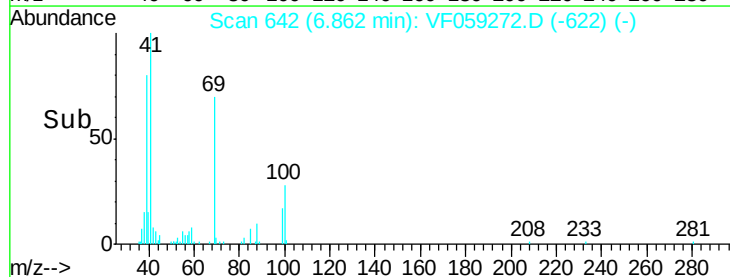
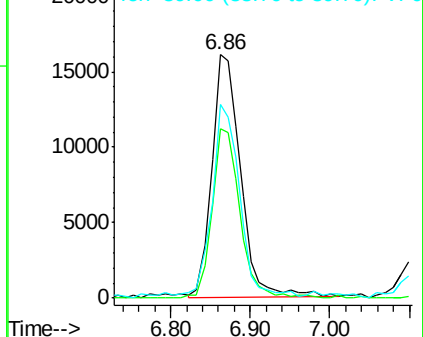
41 100

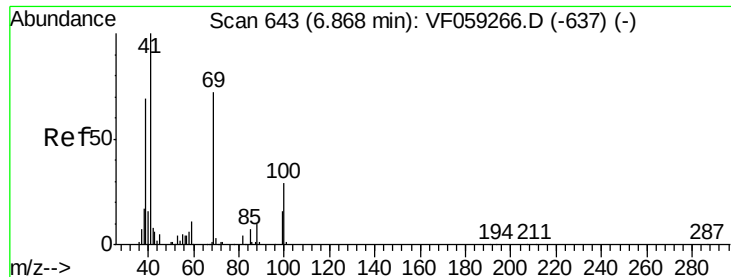
69 69.7 57.4 86.2

39 79.5 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





#49

1,4-Dioxane

Concen: 400.25 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

ClientSampleId :

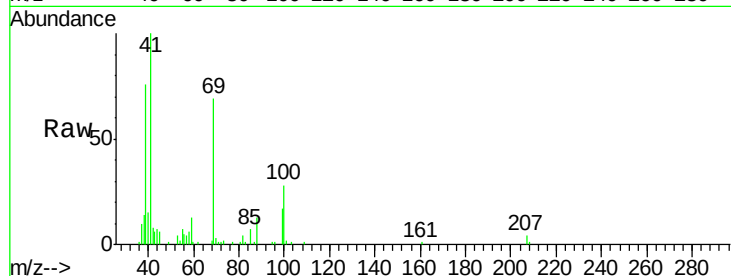
Tot Ion: 88 Resp: 4547

Ion Ratio Lower Upper

88 100

43 46.4 55.5 83.3#

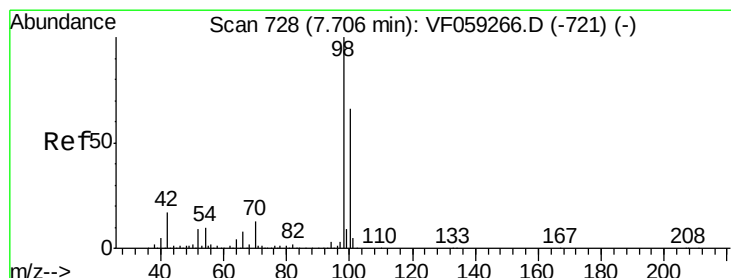
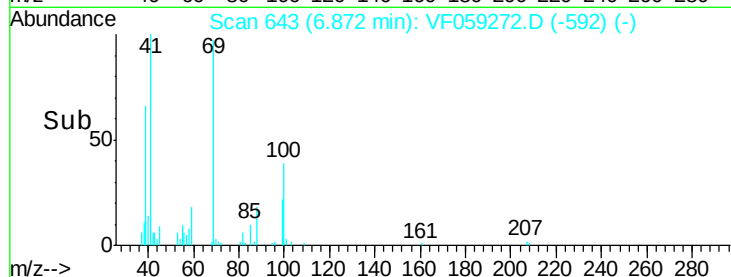
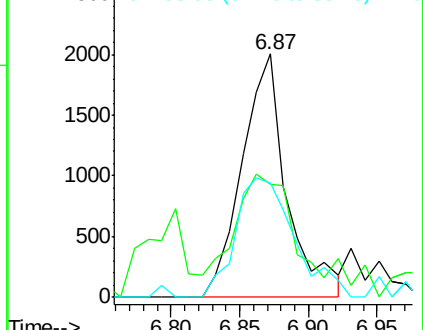
58 47.0 50.1 75.1#



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: 47.71 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.01 min

Lab File: VF059272.D

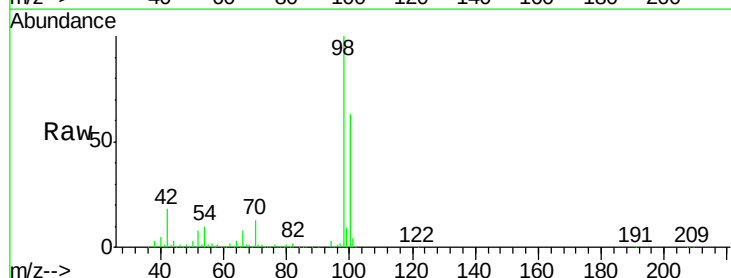
Acq: 21 Jun 2018 20:55

Tgt Ion: 98 Resp: 383951

Ion Ratio Lower Upper

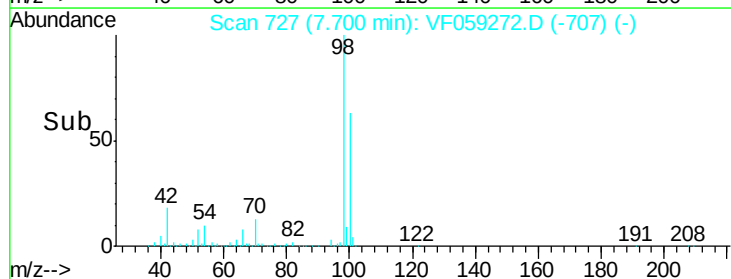
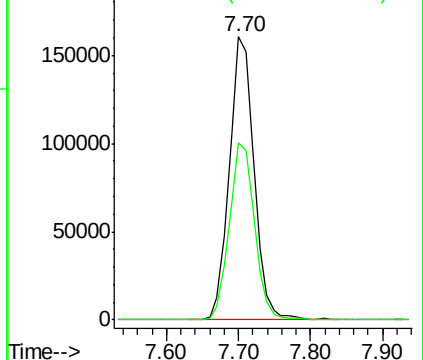
98 100

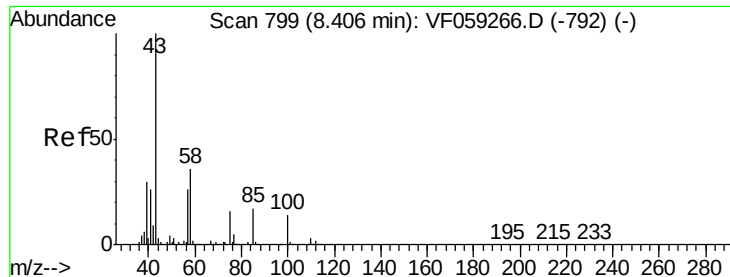
100 62.6 52.8 79.2



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: 103.98 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

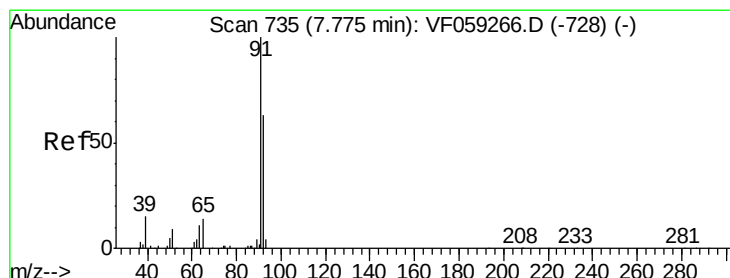
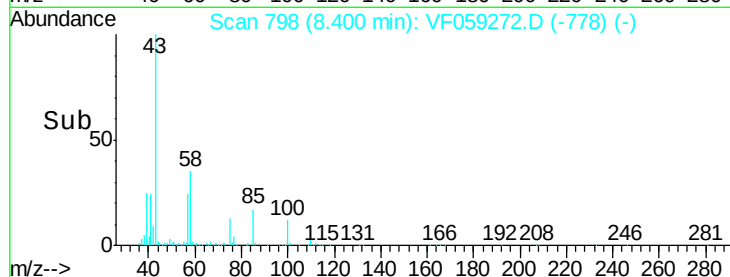
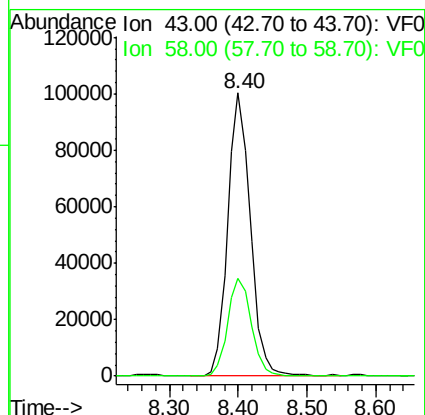
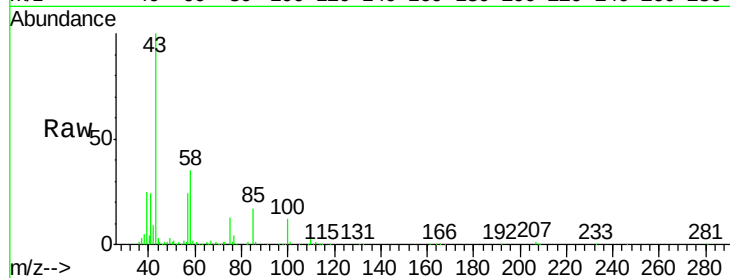
ClientSampleId :

Tot Ion: 43 Resp: 229447

Ion Ratio Lower Upper

43 100

58 34.7 29.0 43.6



#52

Toluene

Concen: 20.77 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059272.D

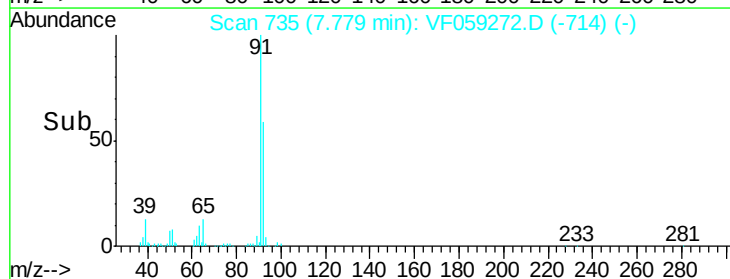
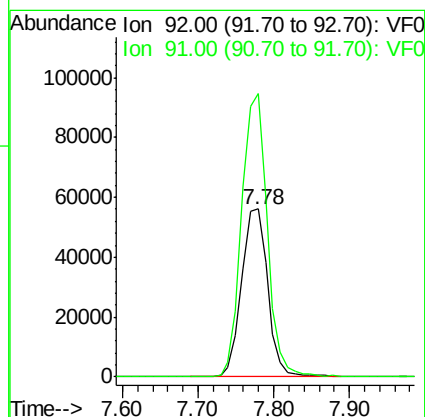
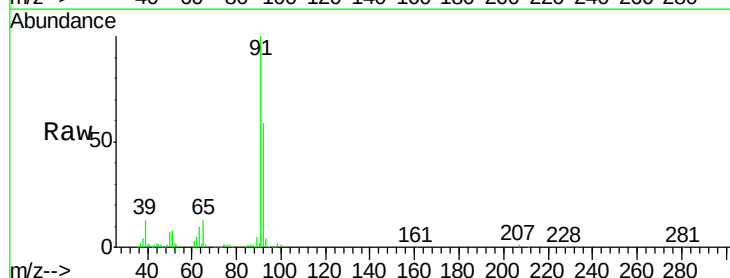
Acq: 21 Jun 2018 20:55

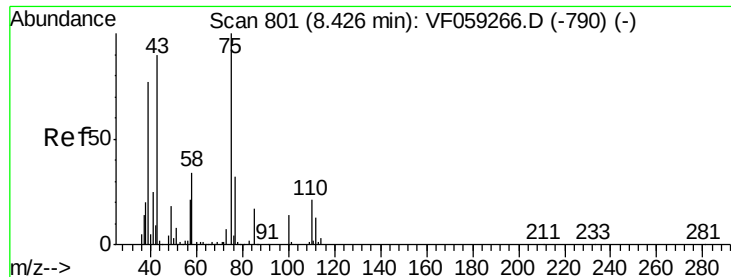
Tgt Ion: 92 Resp: 134408

Ion Ratio Lower Upper

92 100

91 168.7 127.8 191.6





#53

t-1,3-Dichloropropene

Concen: 20.85 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

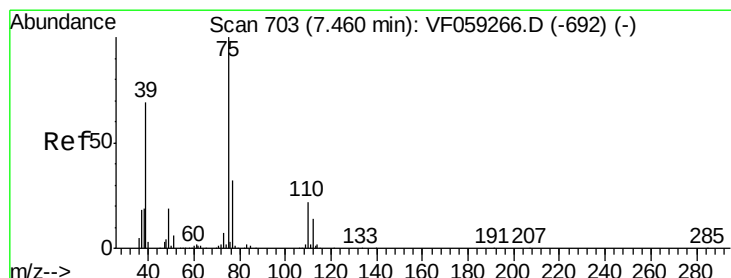
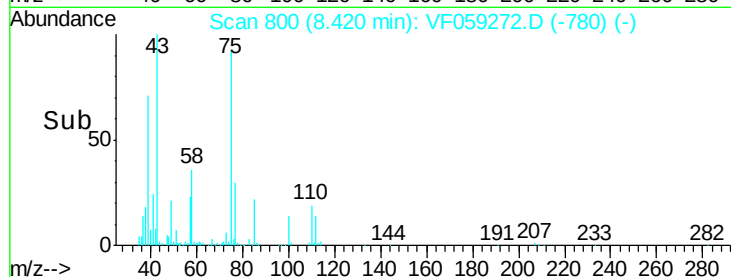
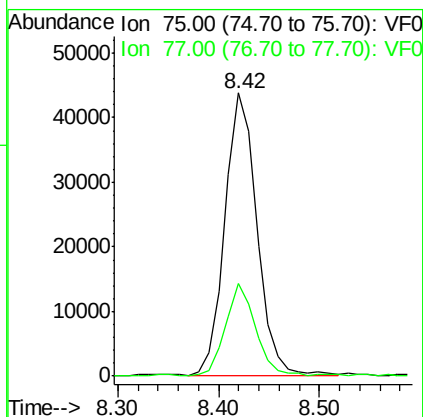
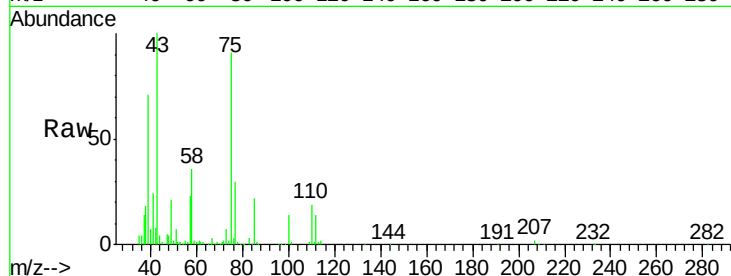
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 75 Resp: 96782

Ion Ratio Lower Upper

75 100

77 32.8 26.1 39.1



#54

cis-1,3-Dichloropropene

Concen: 20.60 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

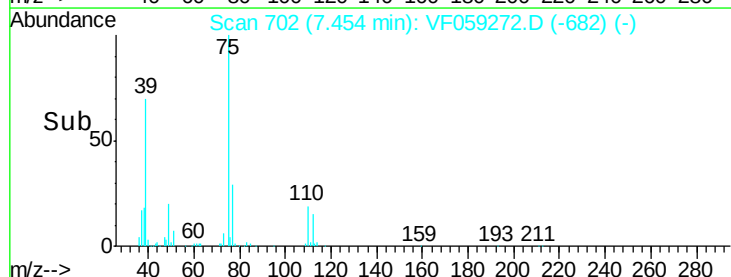
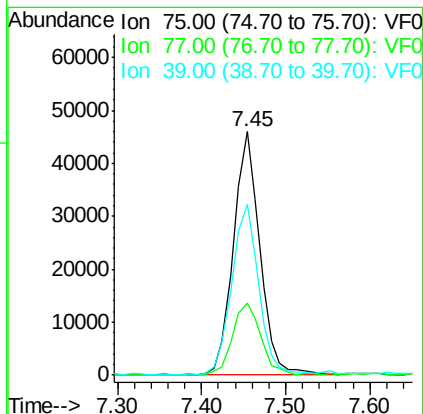
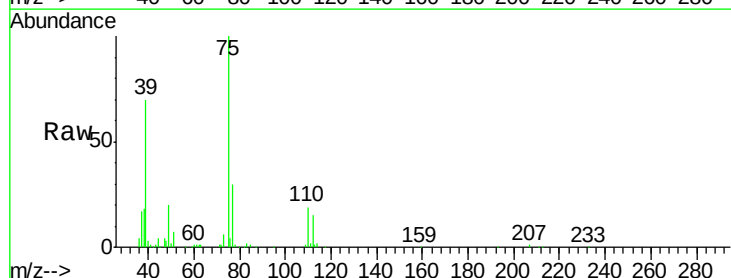
Tgt Ion: 75 Resp: 100957

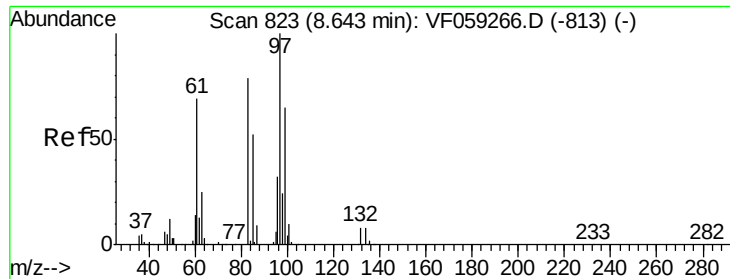
Ion Ratio Lower Upper

75 100

77 29.7 26.0 39.0

39 70.1 55.5 83.3





#55

1,1,2-Trichloroethane

Concen: 21.12 ug/l

RT: 8.64 min Scan# 822

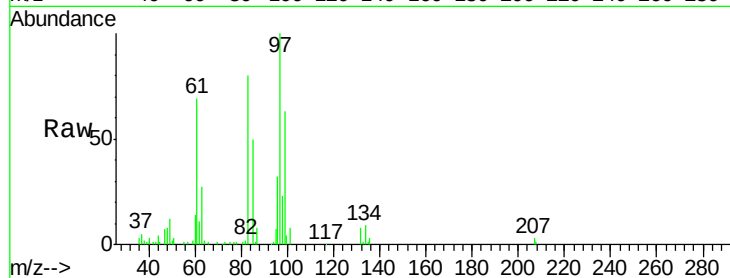
Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	97	Resp:	52753
Ion	Ratio	Lower	Upper
97	100		
83	80.4	63.2	94.8
85	49.9	41.8	62.6
99	62.9	51.7	77.5

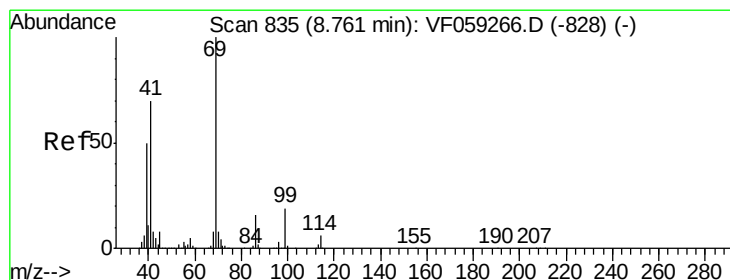
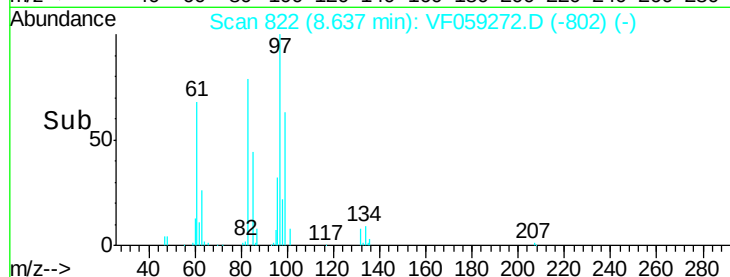
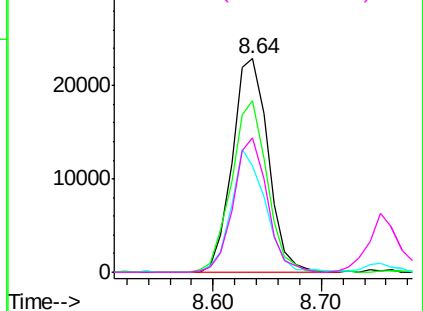


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 19.59 ug/l

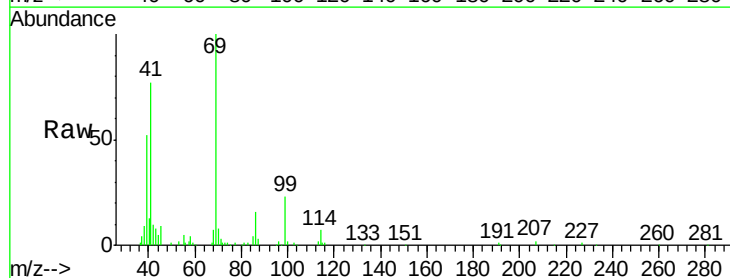
RT: 8.75 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

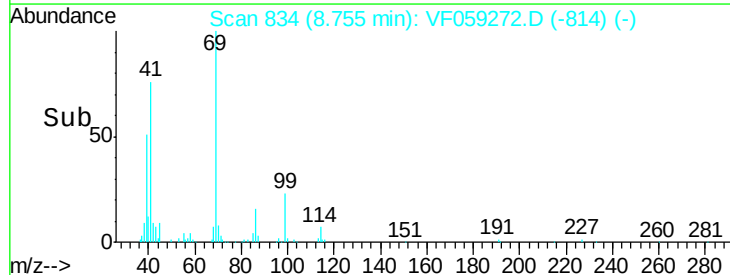
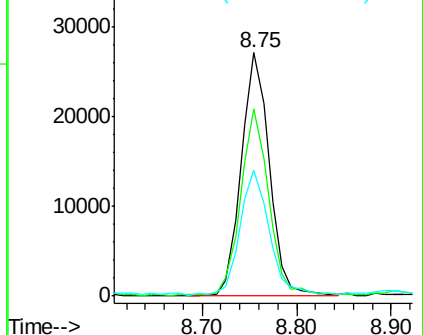
Tgt Ion:	69	Resp:	55952
Ion	Ratio	Lower	Upper
69	100		
41	76.9	56.6	85.0
39	51.9	40.5	60.7

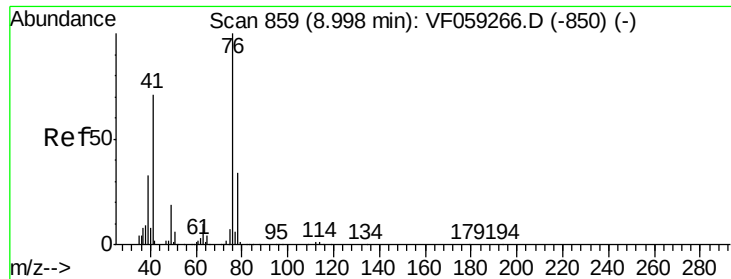


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.85 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

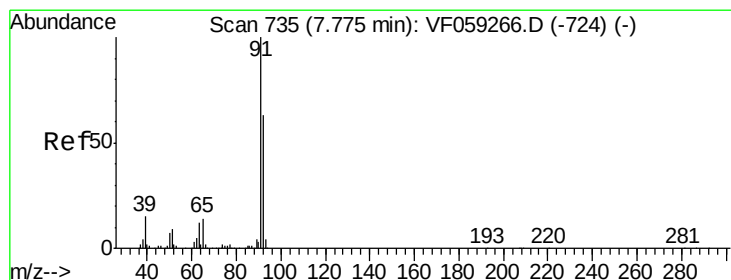
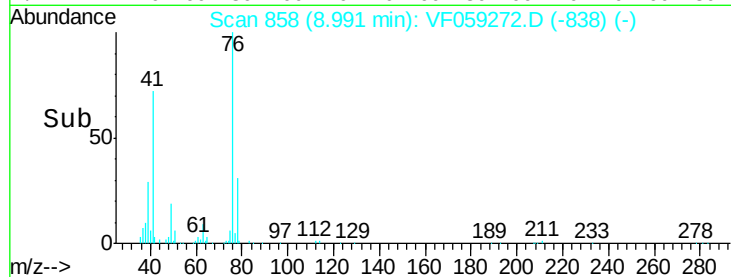
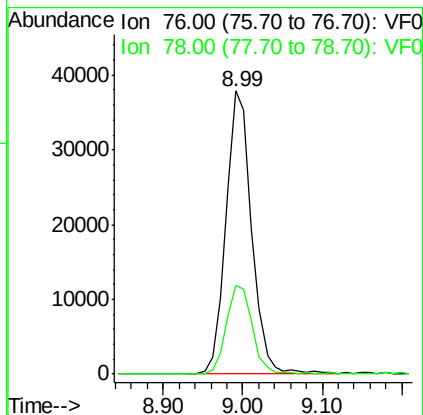
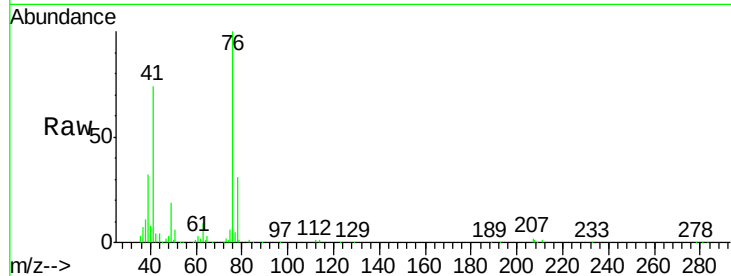
ClientSampleId :

Tot Ion: 76 Resp: 86149

Ion Ratio Lower Upper

76 100

78 31.3 27.5 41.3



#58

2-Chloroethyl Vinyl ether

Concen: 108.71 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059272.D

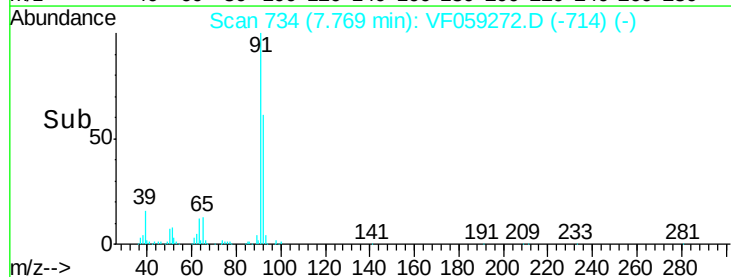
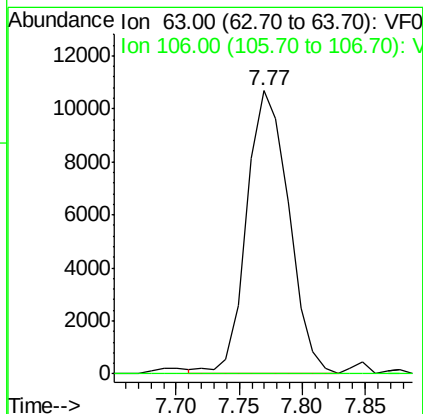
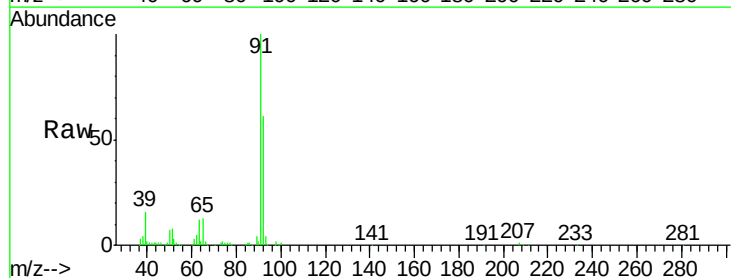
Acq: 21 Jun 2018 20:55

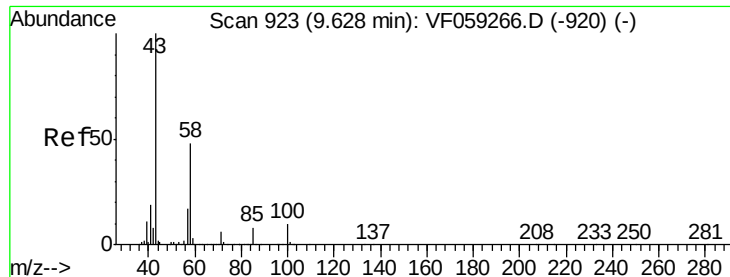
Tgt Ion: 63 Resp: 24831

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

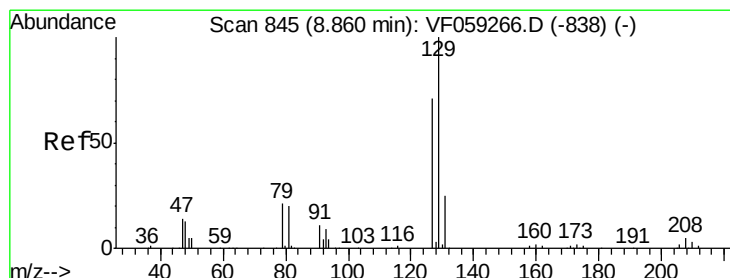
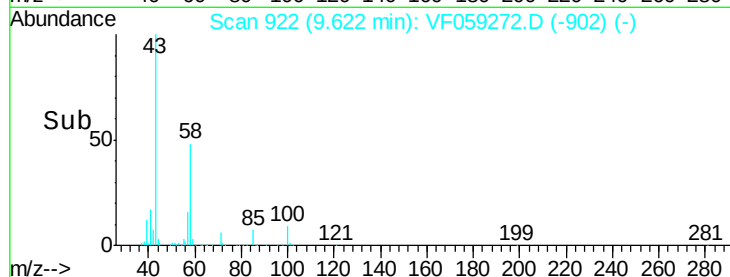
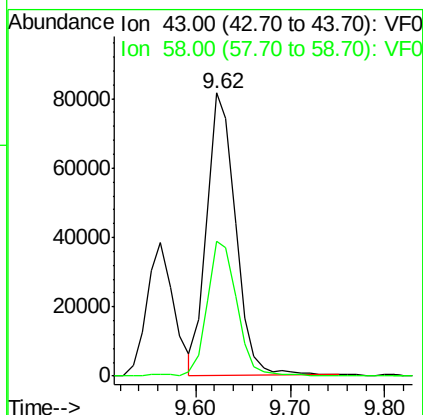
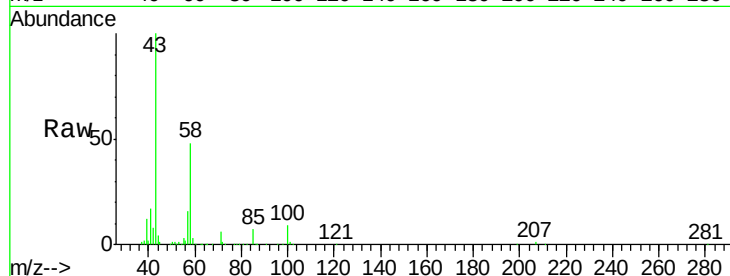




#59
2-Hexanone
Concen: 99.13 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

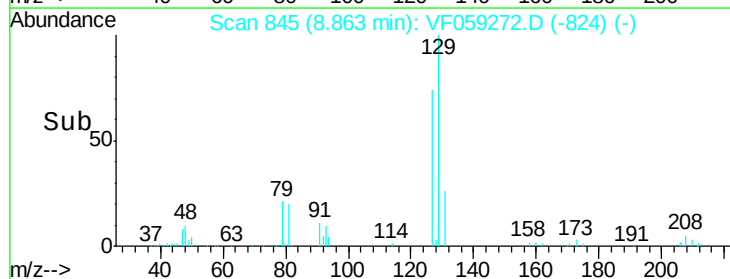
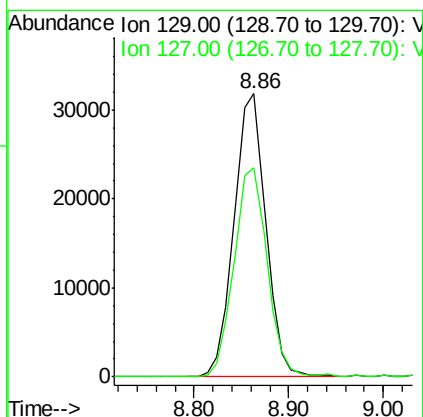
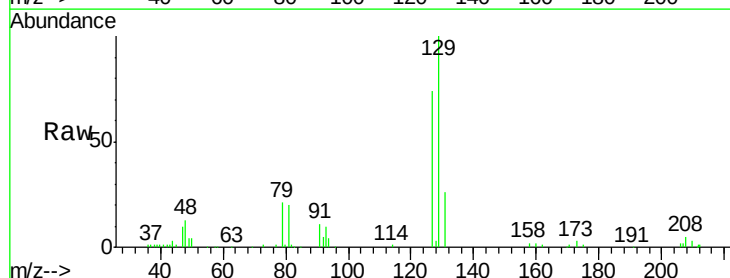
Instrument :
MSVOA_F
ClientSampleId :

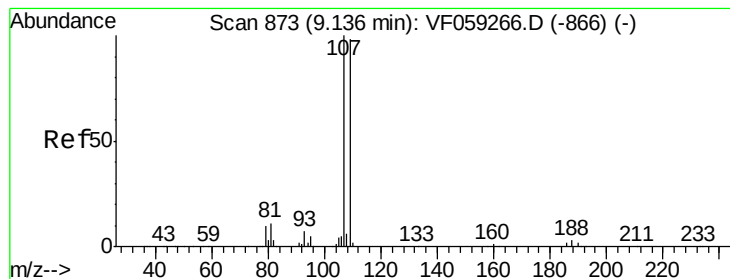
Tot Ion: 43 Resp: 173415
Ion Ratio Lower Upper
43 100
58 47.5 23.3 69.9



#60
Dibromochloromethane
Concen: 20.19 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Tgt Ion: 129 Resp: 74228
Ion Ratio Lower Upper
129 100
127 74.0 35.4 106.2





#61

1,2-Dibromoethane

Concen: 20.75 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

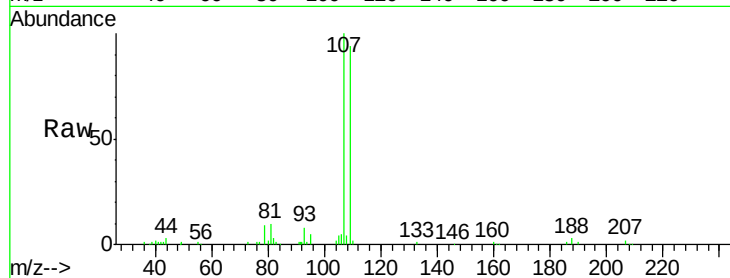
ClientSampled :

Tot Ion:107 Resp: 59712

Ion Ratio Lower Upper

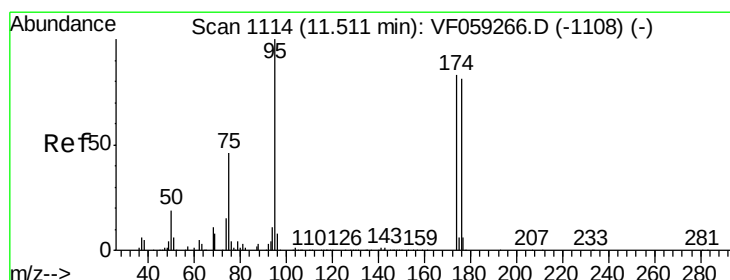
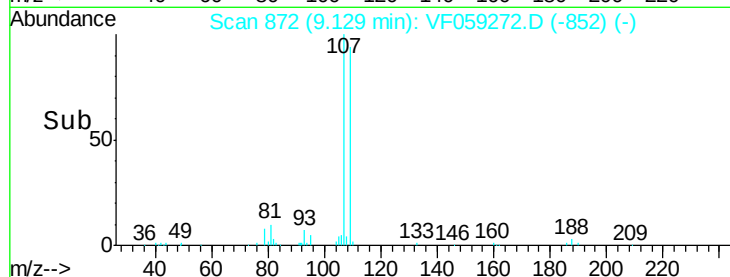
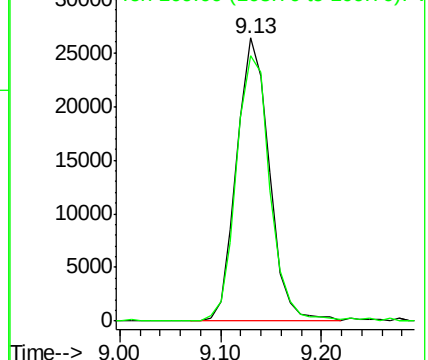
107 100

109 93.7 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: 47.31 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

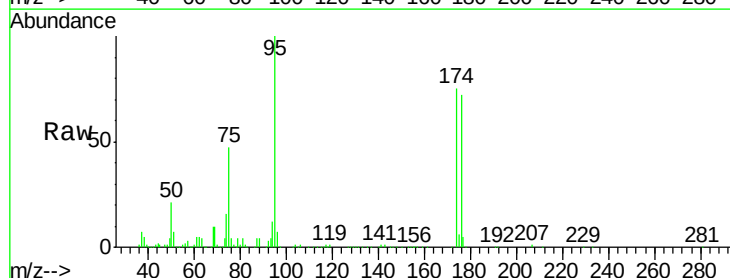
Tgt Ion: 95 Resp: 211128

Ion Ratio Lower Upper

95 100

174 75.1 0.0 166.2

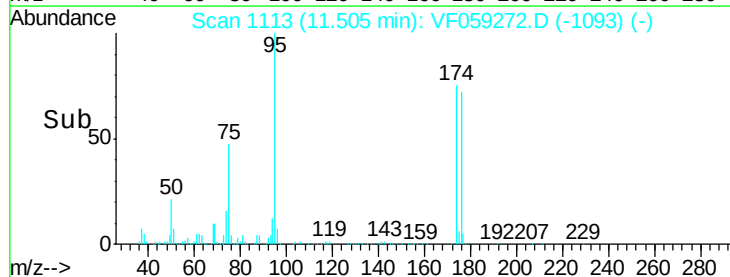
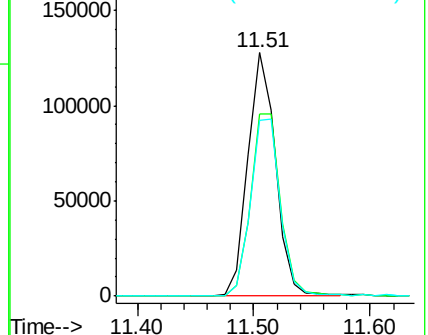
176 72.1 0.0 162.8

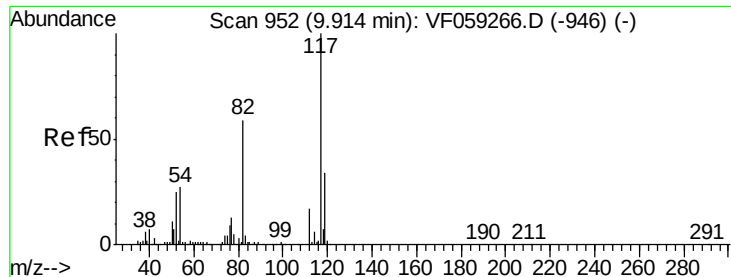


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

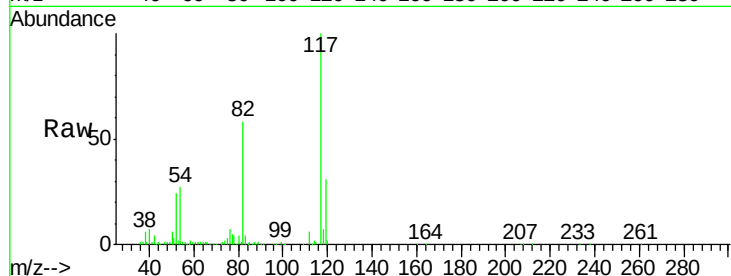




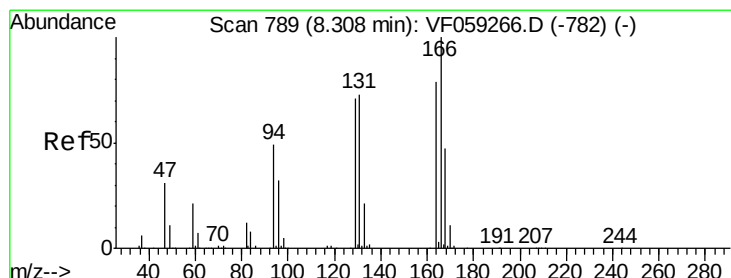
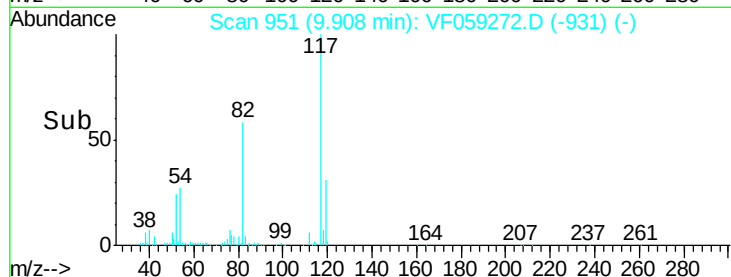
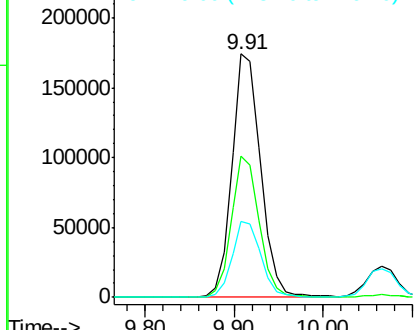
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.1	70.7
119	31.2	26.9	40.3

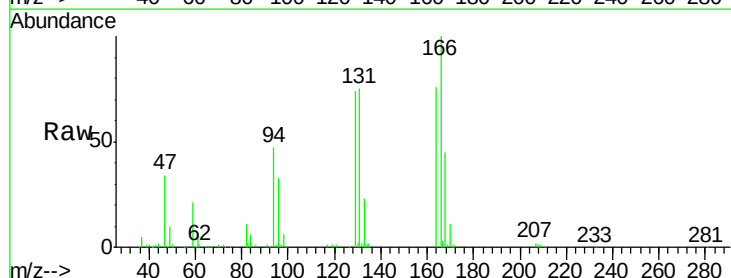


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

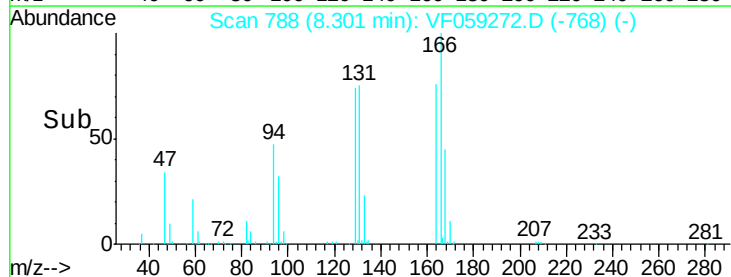
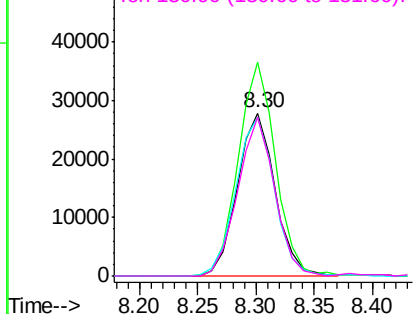


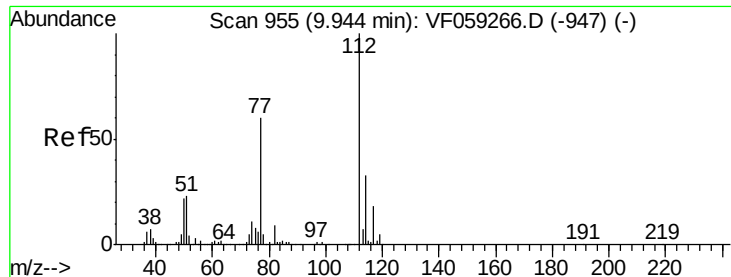
#64
Tetrachloroethene
Concen: 20.53 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.1	101.4	152.2
129	97.1	72.2	108.4
131	97.7	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

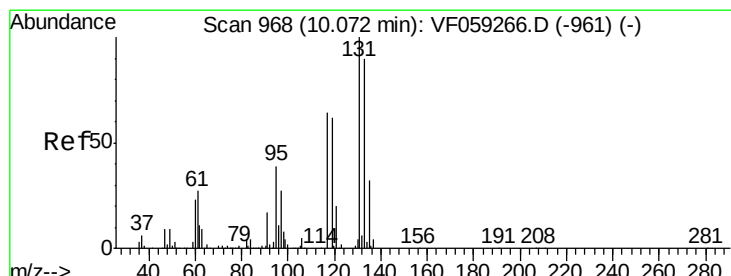
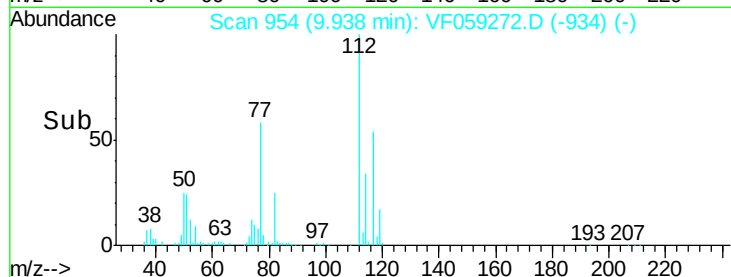
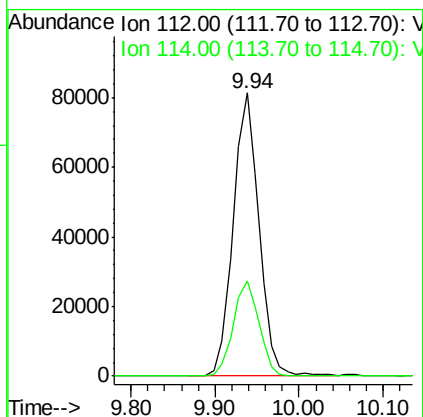
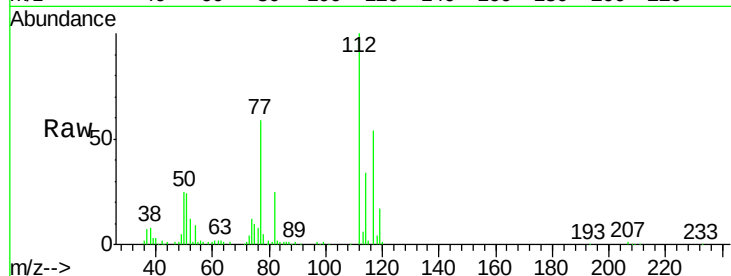




#65
Chlorobenzene
Concen: 20.69 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

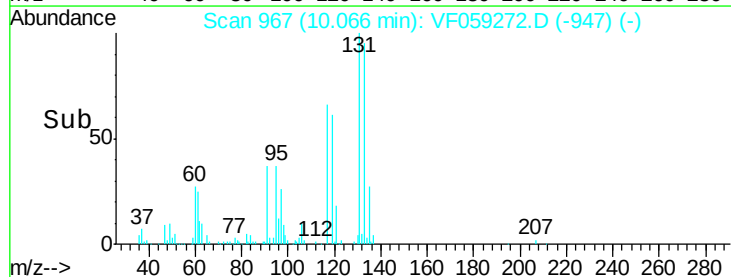
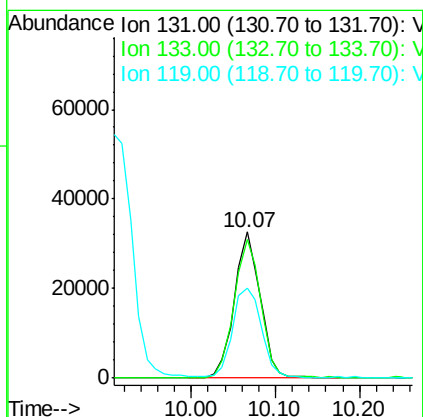
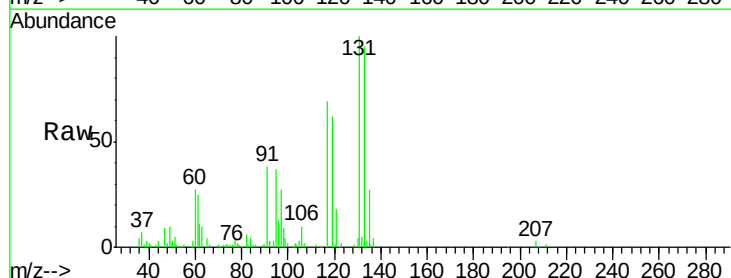
Instrument :
MSVOA_F
ClientSampleId :

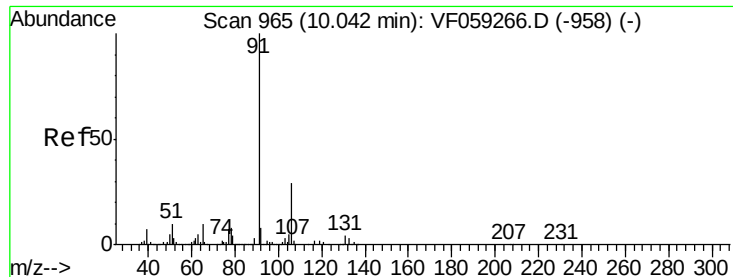
Tot Ion:112 Resp: 173509
Ion Ratio Lower Upper
112 100
114 33.5 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.07 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Tgt Ion:131 Resp: 70111
Ion Ratio Lower Upper
131 100
133 95.2 45.1 135.2
119 61.9 31.2 93.6

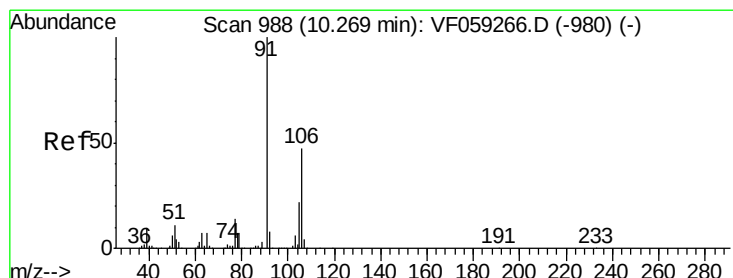
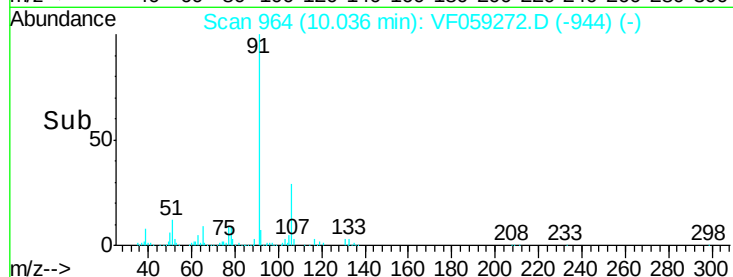
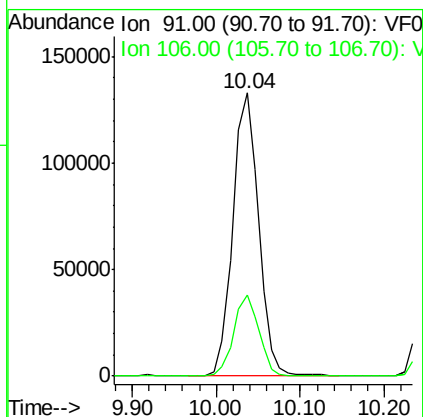
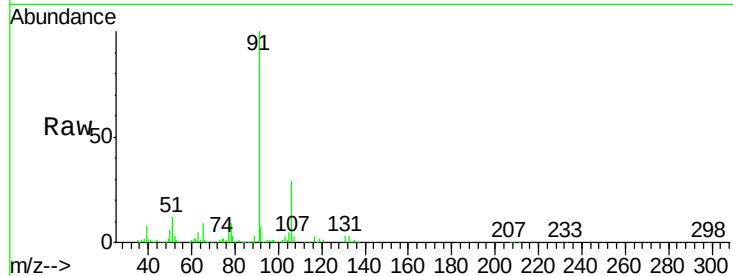




#67
Ethyl Benzene
Concen: 19.95 ug/l
RT: 10.04 min Scan# 964
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

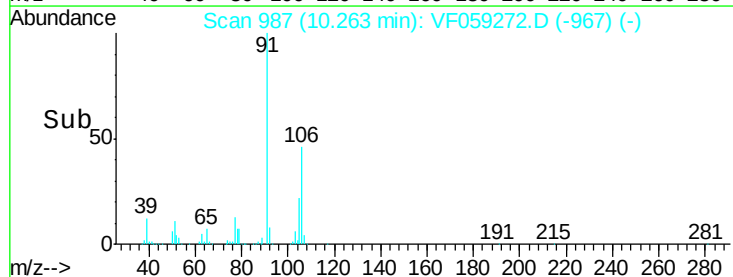
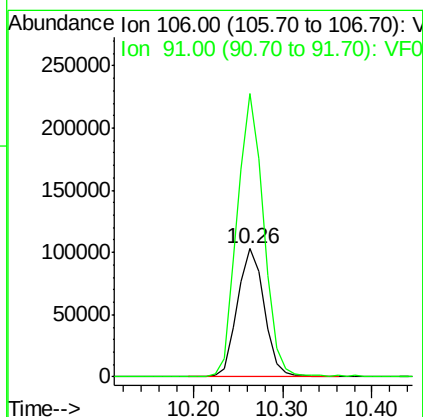
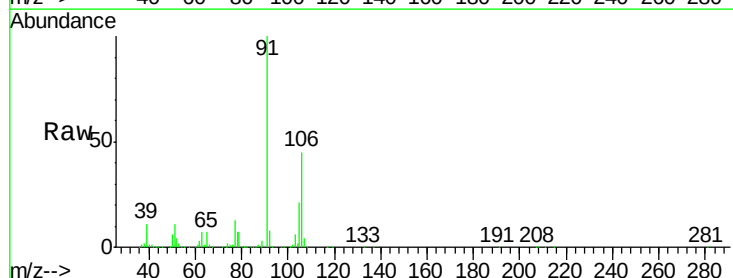
Instrument :
MSVOA_F
ClientSampleId :

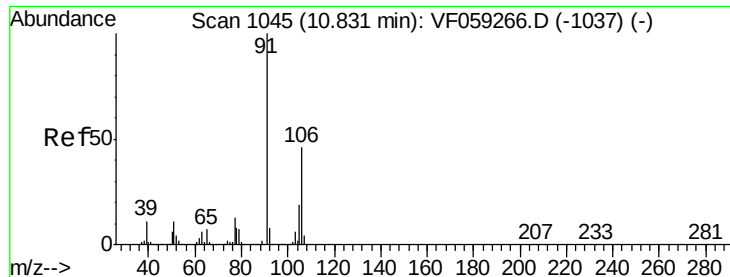
Tot Ion: 91 Resp: 284065
Ion Ratio Lower Upper
91 100
106 28.6 23.4 35.2



#68
m/p-Xylenes
Concen: 42.66 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Tgt Ion: 106 Resp: 218298
Ion Ratio Lower Upper
106 100
91 221.3 168.8 253.2

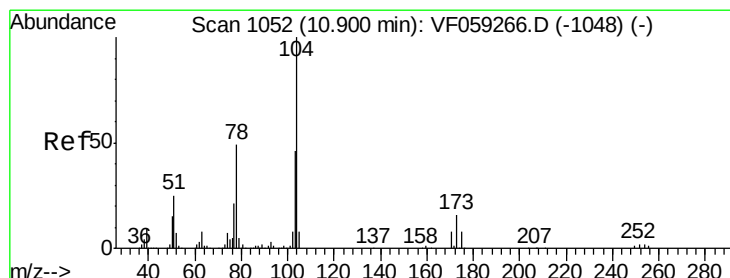
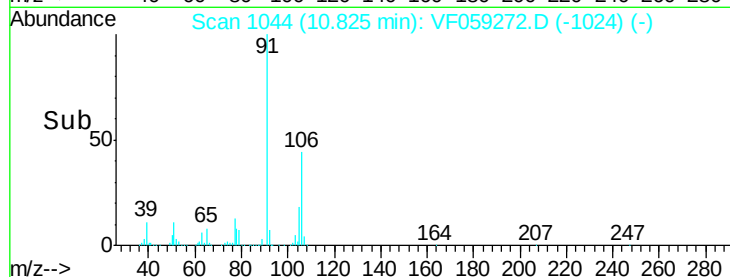
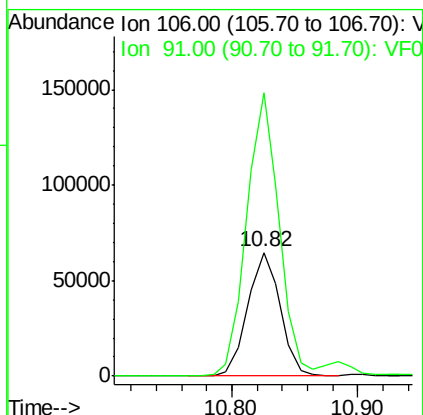
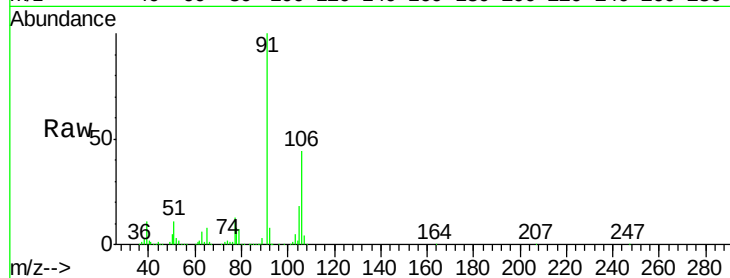




#69
o-Xylene
Concen: 20.56 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

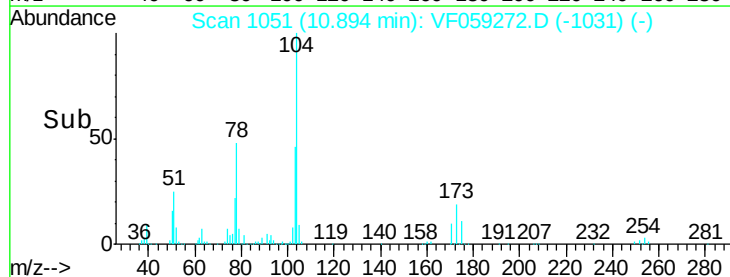
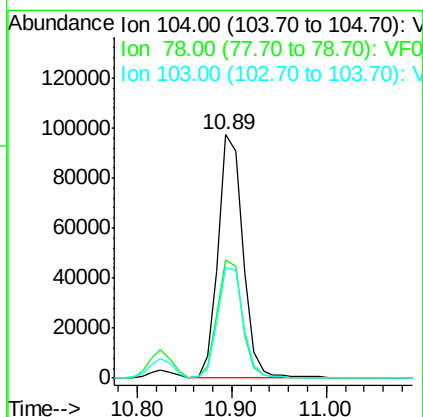
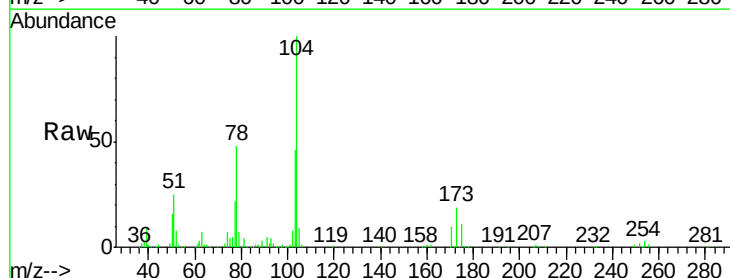
Instrument :
MSVOA_F
ClientSampled :

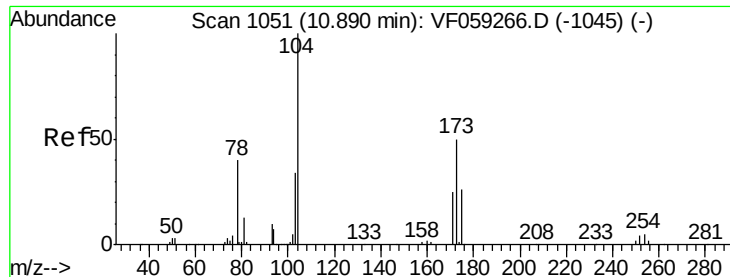
Tot Ion:106 Resp: 116180
Ion Ratio Lower Upper
106 100
91 229.1 109.1 327.4



#70
Styrene
Concen: 20.81 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Tgt Ion:104 Resp: 177318
Ion Ratio Lower Upper
104 100
78 48.5 39.3 58.9
103 45.5 36.6 55.0





#71

Bromoform

Concen: 18.35 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

ClientSampleId :

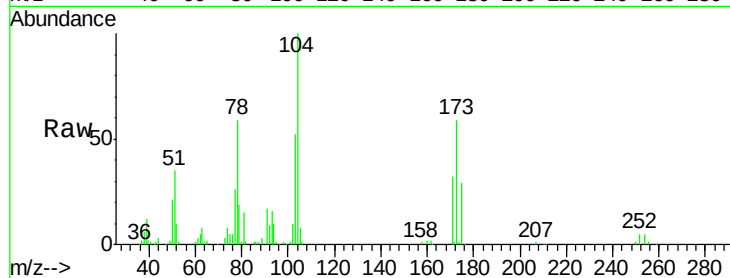
Tot Ion:173 Resp: 45722

Ion Ratio Lower Upper

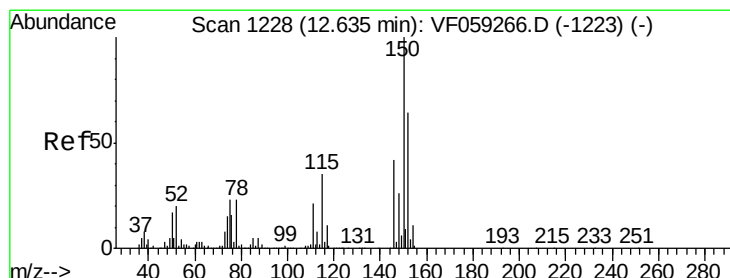
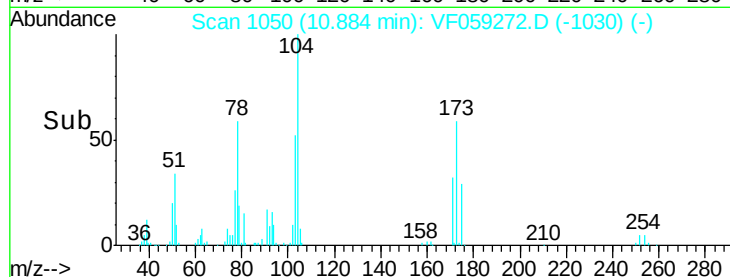
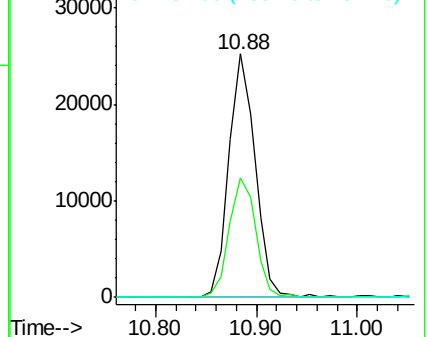
173 100

175 49.3 25.4 76.4

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

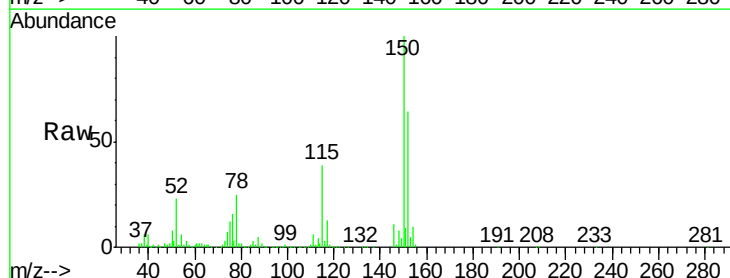
Tgt Ion:152 Resp: 239857

Ion Ratio Lower Upper

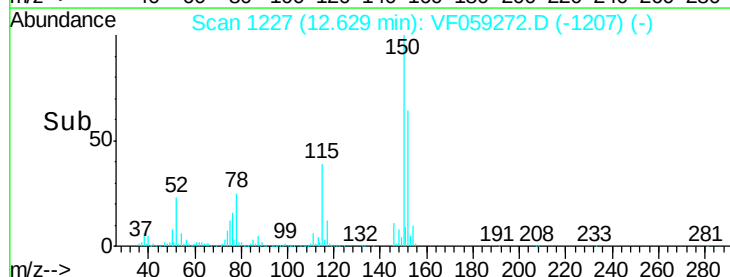
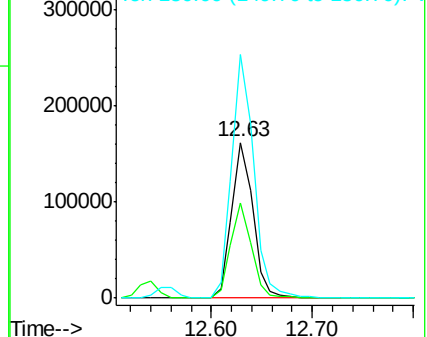
152 100

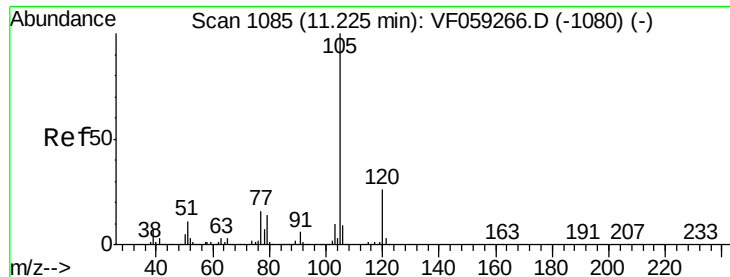
115 61.4 27.8 83.3

150 156.6 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: 21.95 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

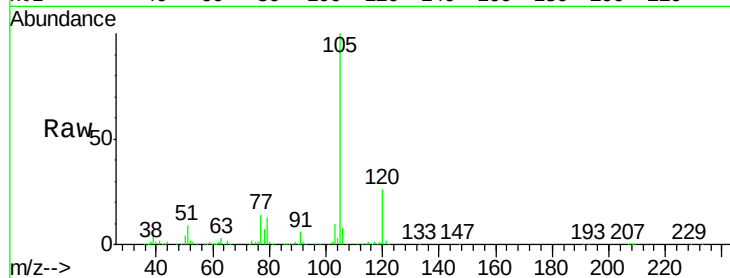
ClientSampleId :

Tot Ion:105 Resp: 362734

Ion Ratio Lower Upper

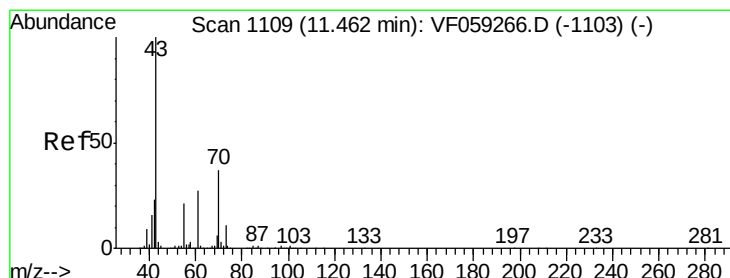
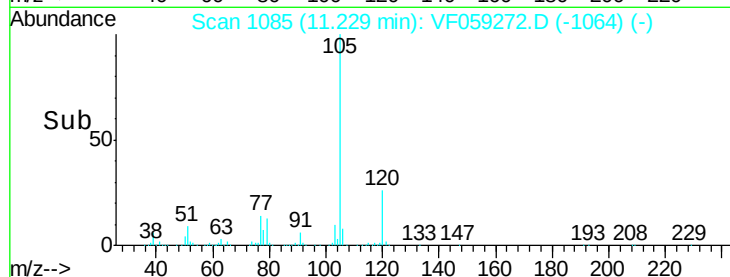
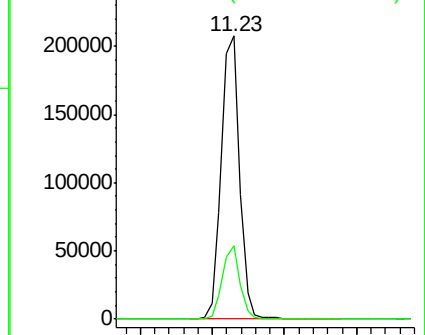
105 100

120 25.9 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.31 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Tgt Ion: 43 Resp: 114941

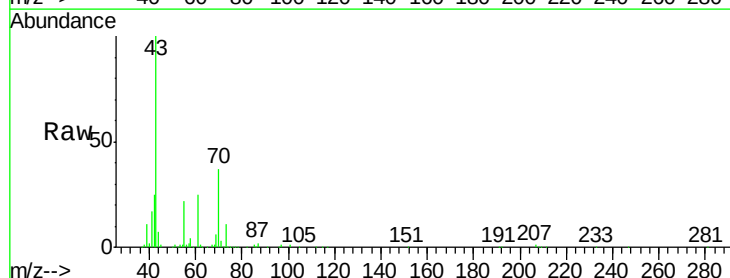
Ion Ratio Lower Upper

43 100

70 36.5 29.6 44.4

55 22.1 17.0 25.4

61 25.3 21.4 32.2

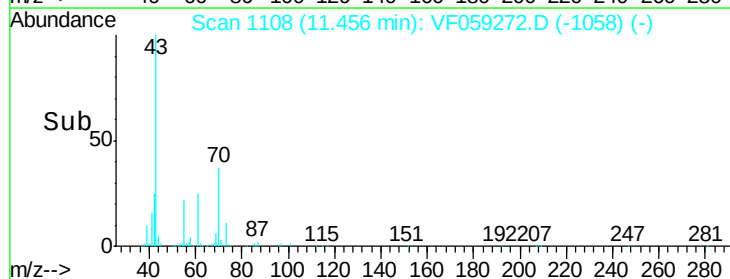
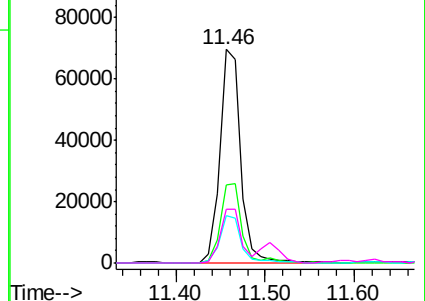


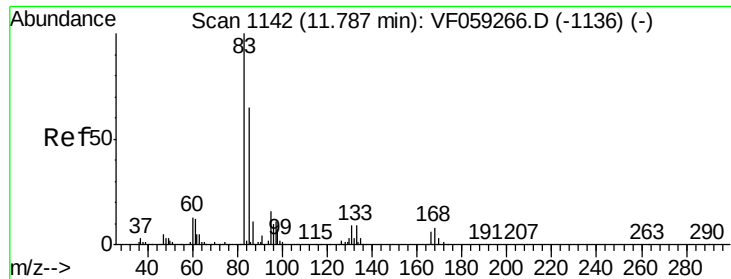
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.37 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

ClientSampleId :

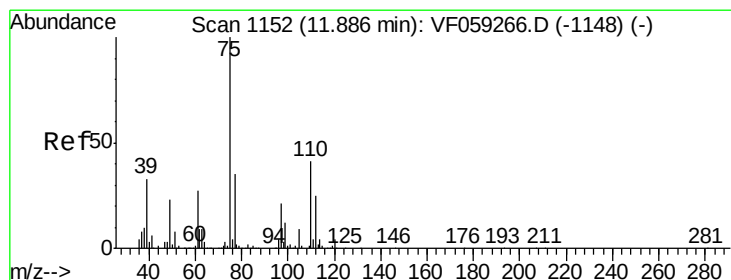
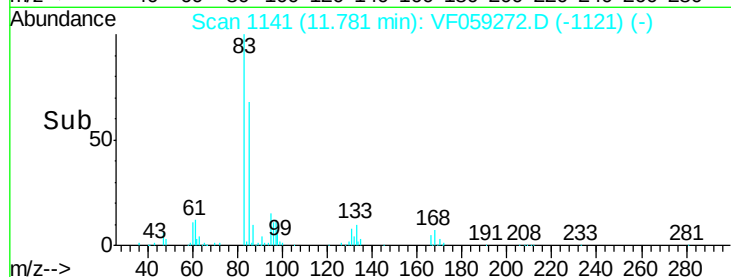
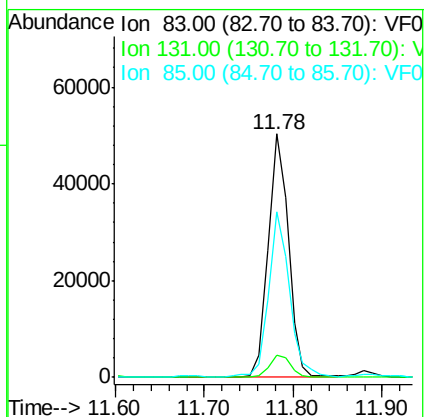
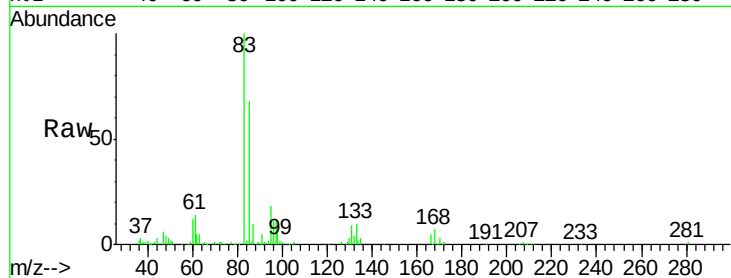
Tot Ion: 83 Resp: 78974

Ion Ratio Lower Upper

83 100

131 8.9 4.8 14.3

85 67.9 32.4 97.2



#76

1,2,3-Trichloropropane

Concen: 20.42 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF059272.D

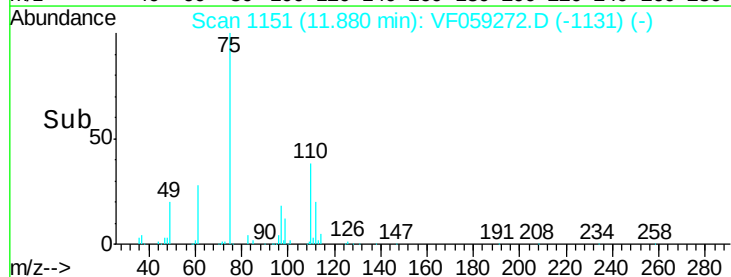
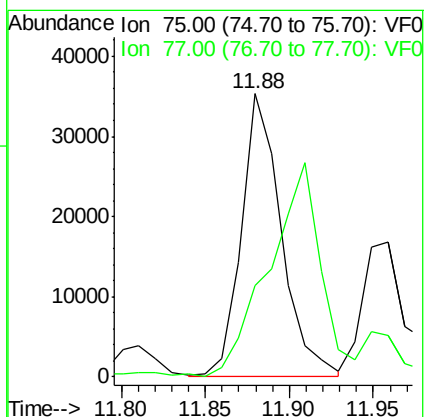
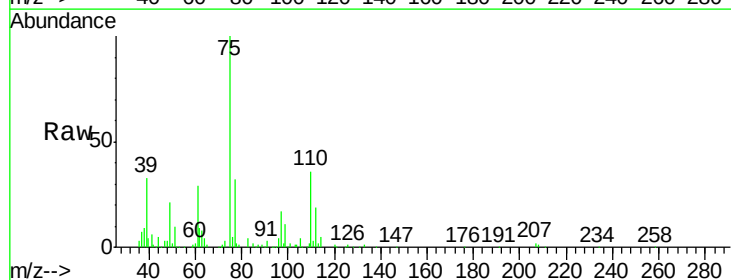
Acq: 21 Jun 2018 20:55

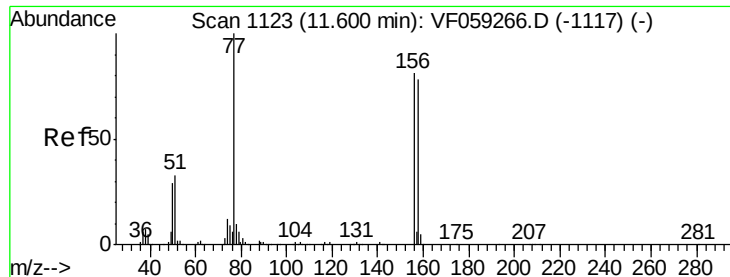
Tgt Ion: 75 Resp: 57962

Ion Ratio Lower Upper

75 100

77 32.1 17.4 52.2





#77

Bromobenzene

Concen: 19.53 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

ClientSampleId :

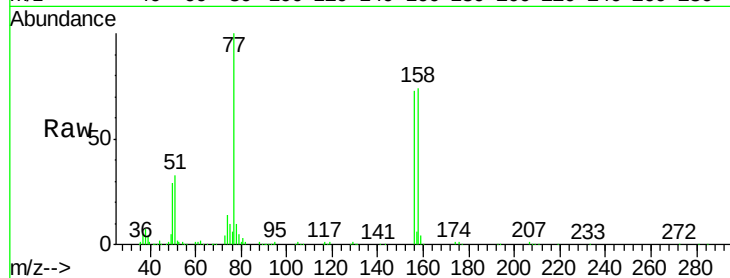
Tot Ion:156 Resp: 87188

Ion Ratio Lower Upper

156 100

77 136.4 61.7 185.0

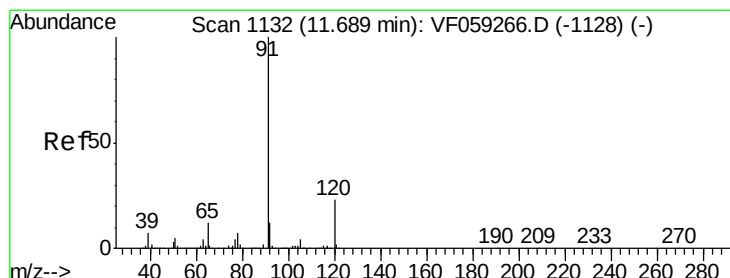
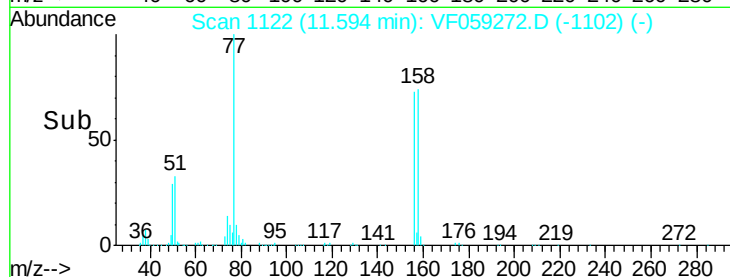
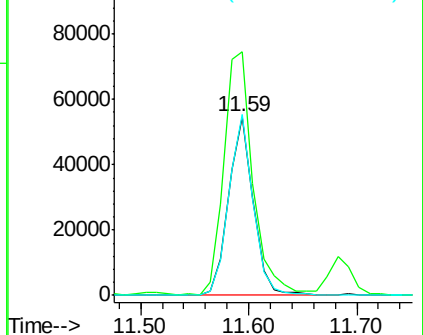
158 101.2 48.2 144.6



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: 21.85 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF059272.D

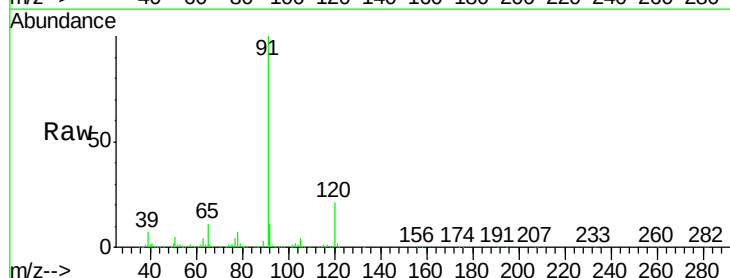
Acq: 21 Jun 2018 20:55

Tgt Ion: 91 Resp: 427134

Ion Ratio Lower Upper

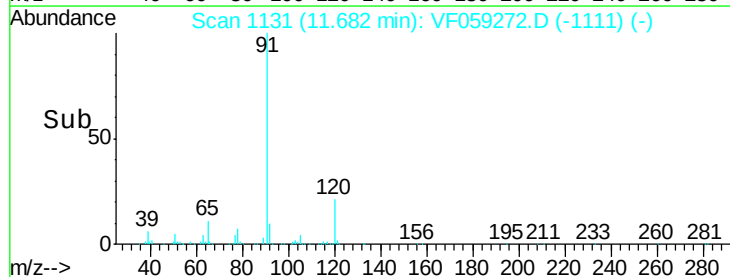
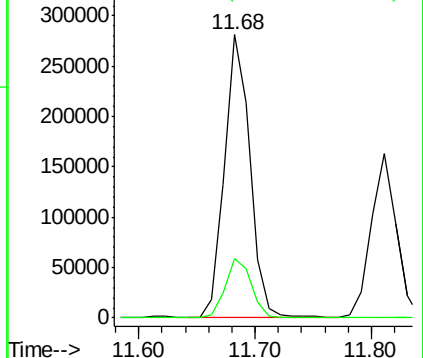
91 100

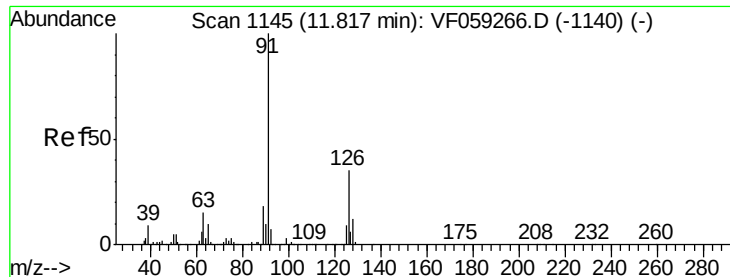
120 21.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.57 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

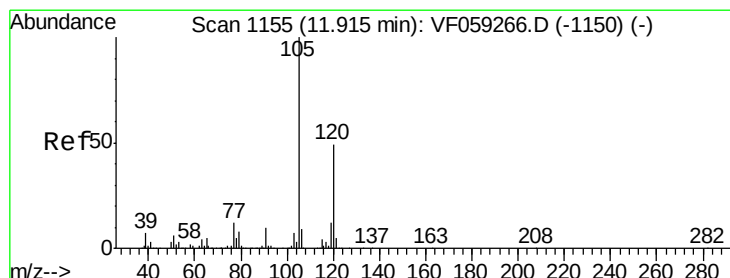
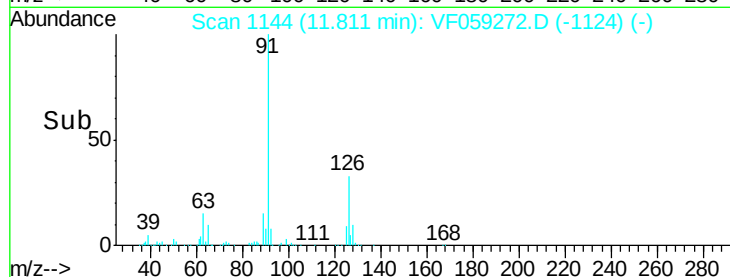
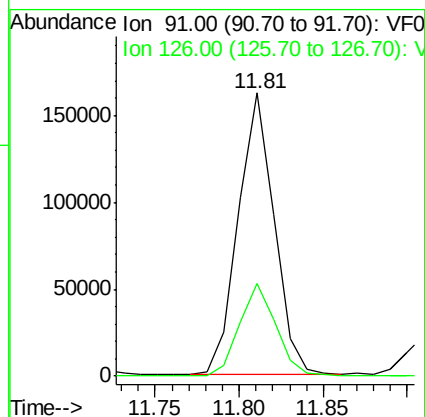
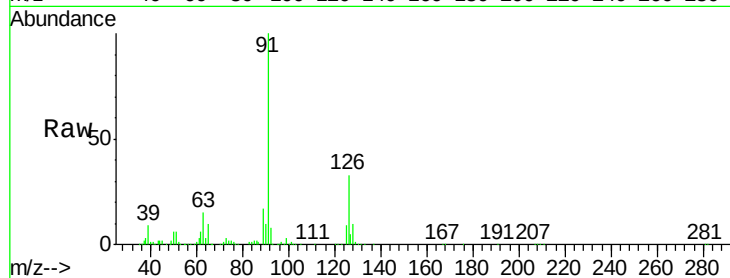
ClientSampleId :

Tot Ion: 91 Resp: 241127

Ion Ratio Lower Upper

91 100

126 32.8 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 20.75 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059272.D

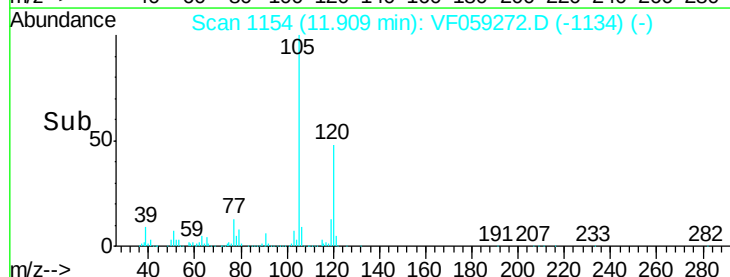
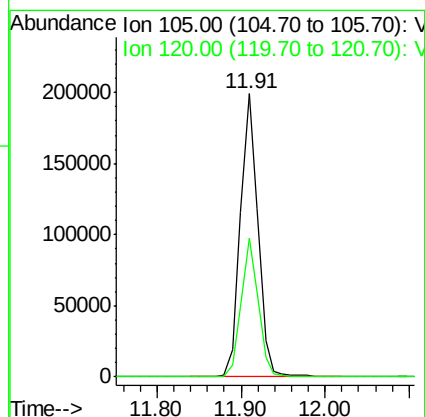
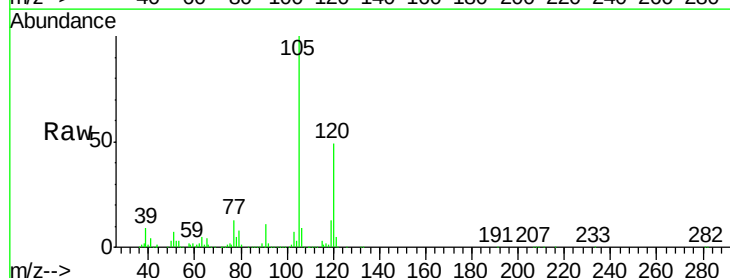
Acq: 21 Jun 2018 20:55

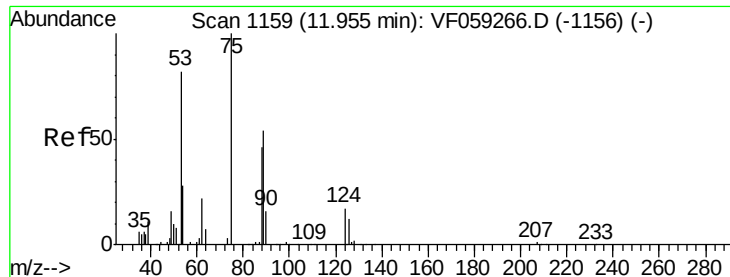
Tgt Ion:105 Resp: 289830

Ion Ratio Lower Upper

105 100

120 48.9 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.83 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

ClientSampled :

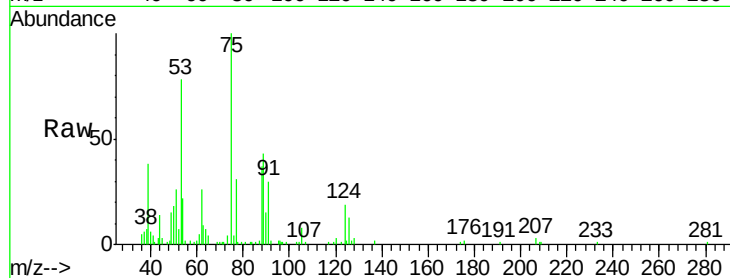
Tot Ion: 75 Resp: 34238

Ion Ratio Lower Upper

75 100

53 77.7 70.2 105.2

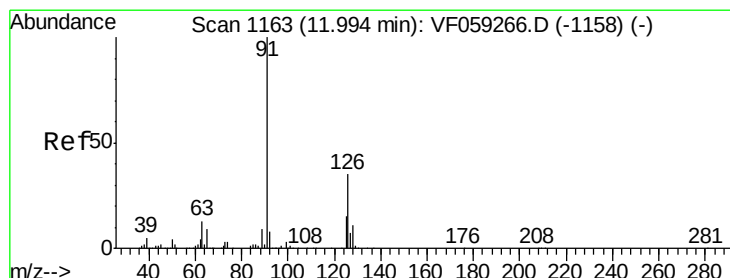
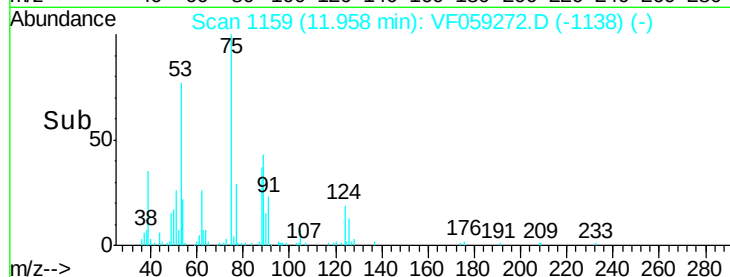
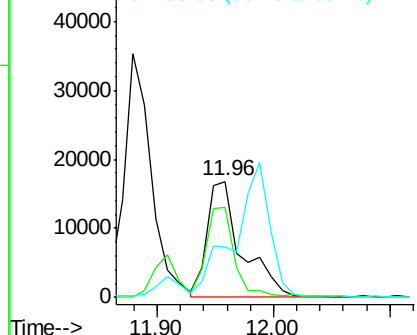
89 43.4 45.3 67.9#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 20.59 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. -0.01 min

Lab File: VF059272.D

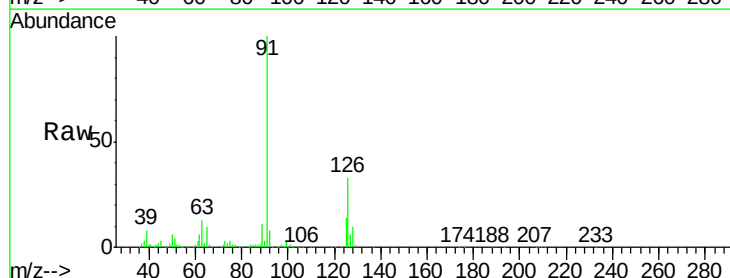
Acq: 21 Jun 2018 20:55

Tgt Ion: 91 Resp: 259218

Ion Ratio Lower Upper

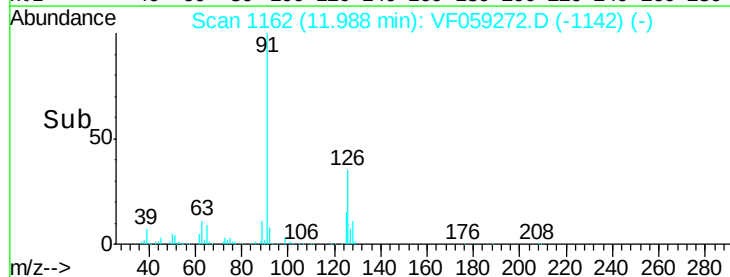
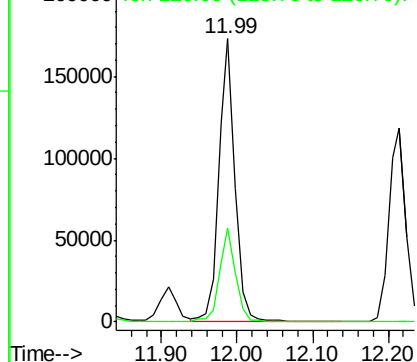
91 100

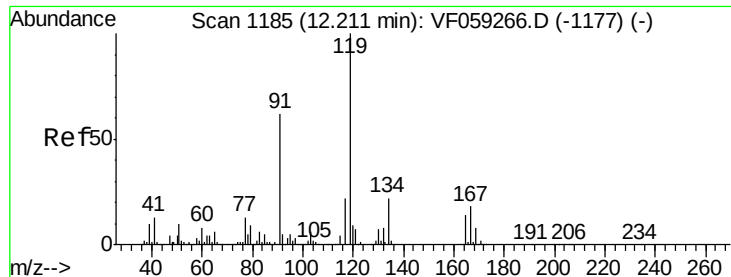
126 33.0 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 21.28 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

ClientSampled :

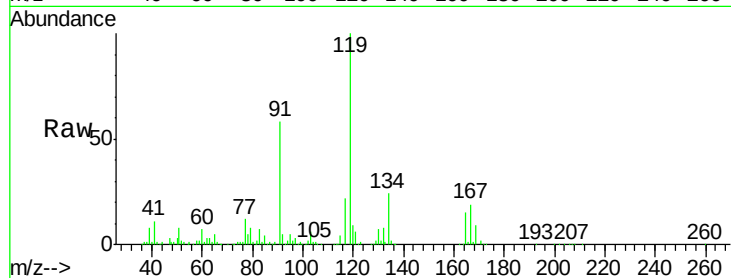
Tot Ion:119 Resp: 300916

Ion Ratio Lower Upper

119 100

91 58.5 31.3 93.8

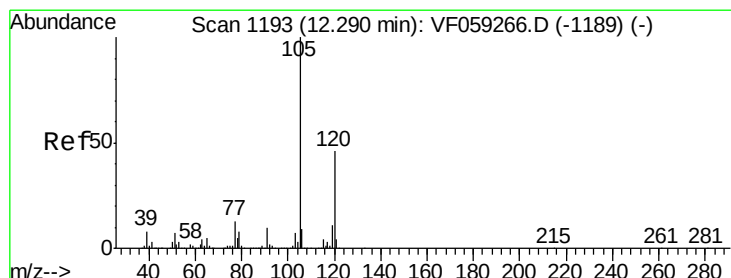
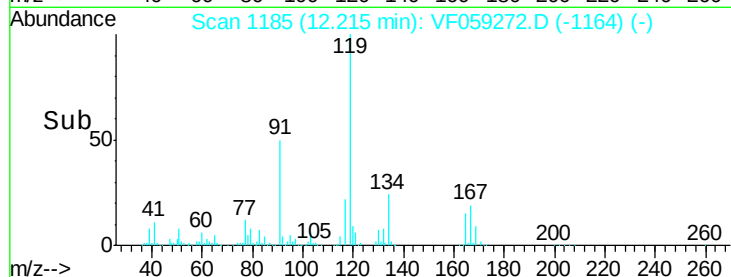
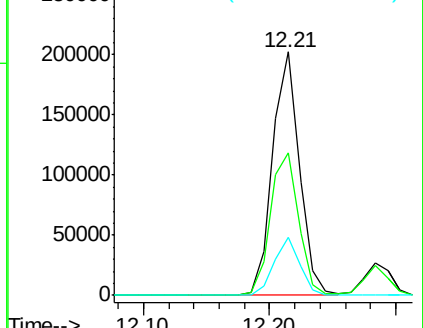
134 23.7 11.3 33.8



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: 21.11 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF059272.D

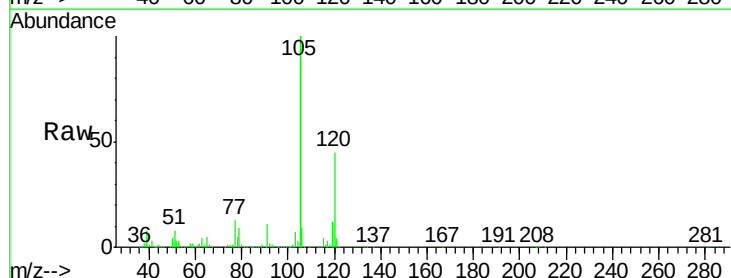
Acq: 21 Jun 2018 20:55

Tgt Ion:105 Resp: 310668

Ion Ratio Lower Upper

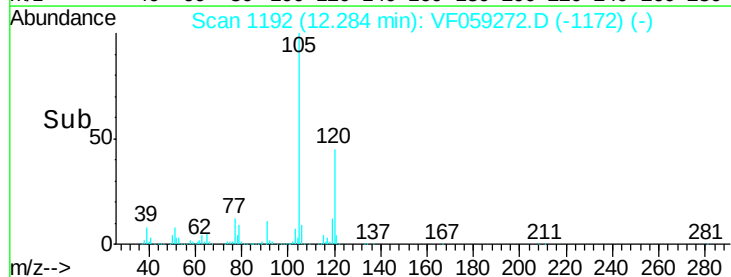
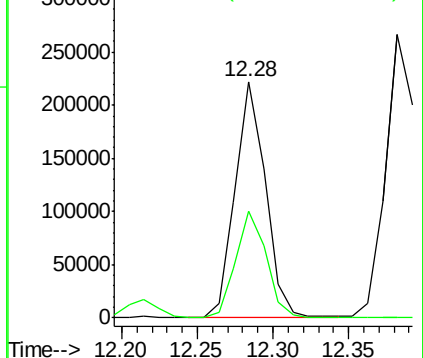
105 100

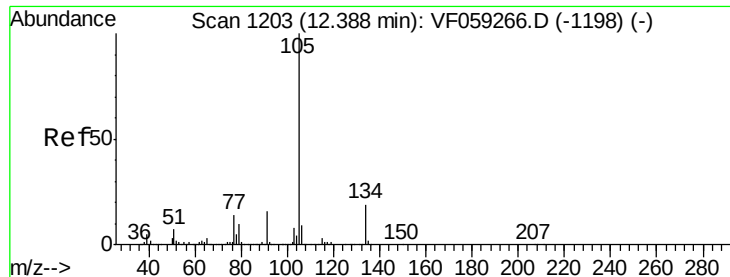
120 45.2 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.74 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

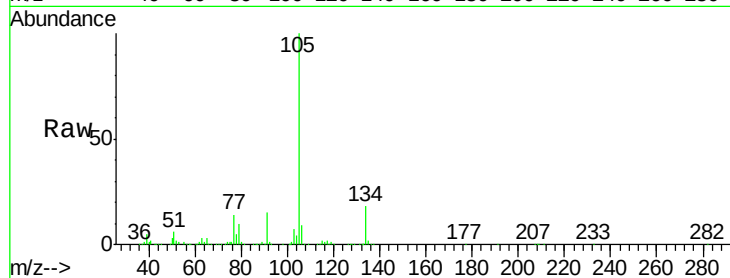
ClientSampled :

Tot Ion:105 Resp: 391372

Ion Ratio Lower Upper

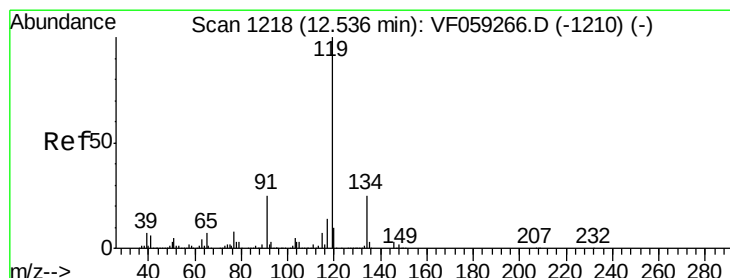
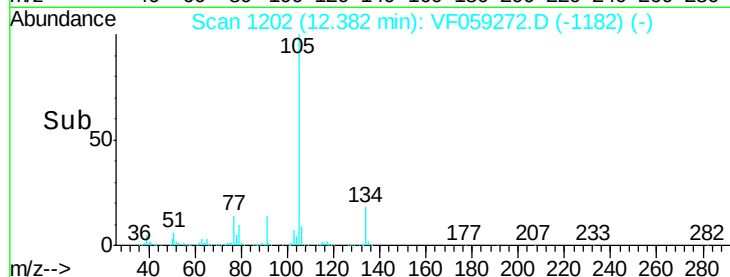
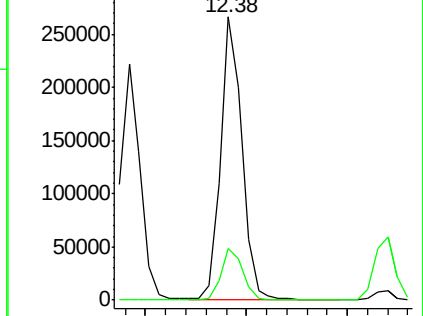
105 100

134 18.4 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: 22.36 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

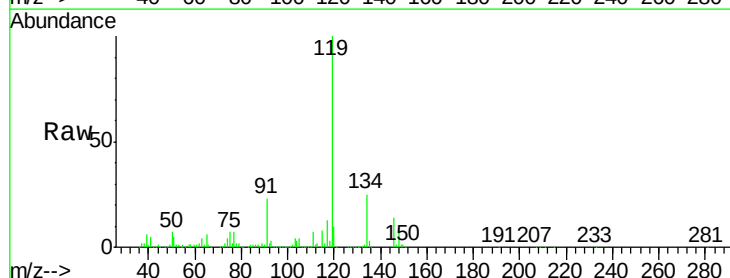
Tgt Ion:119 Resp: 347921

Ion Ratio Lower Upper

119 100

134 25.4 12.6 37.8

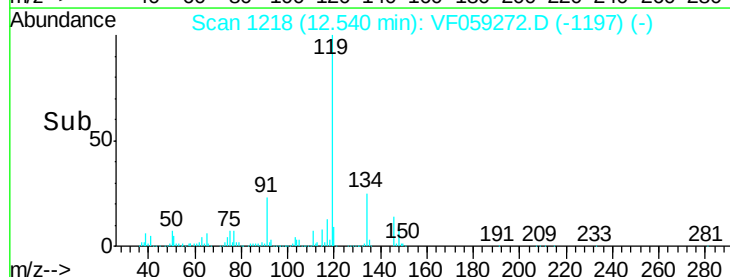
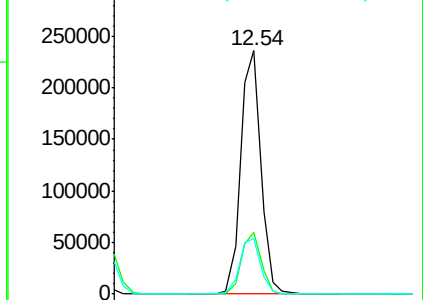
91 22.8 12.6 37.8

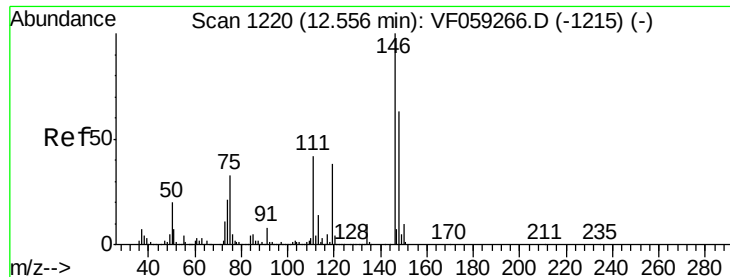


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

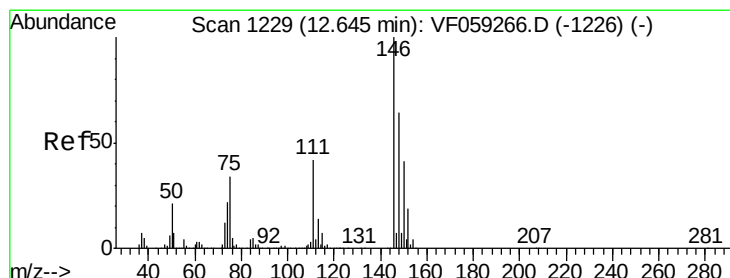
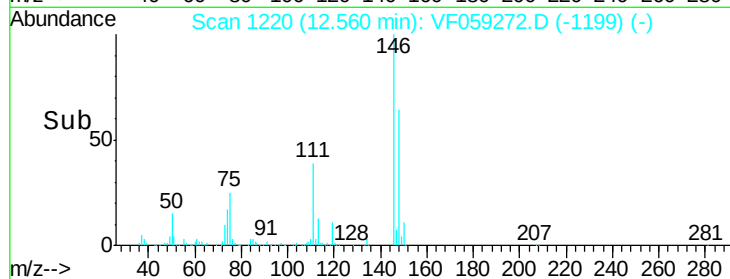
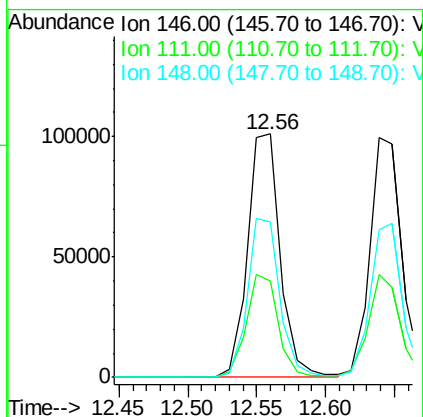
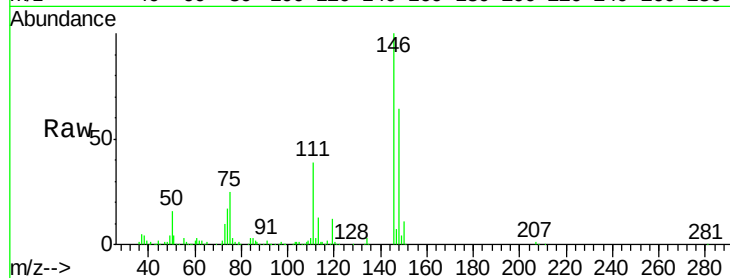




#87
 1,3-Dichlorobenzene
 Concen: 20.99 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059272.D
 Acq: 21 Jun 2018 20:55

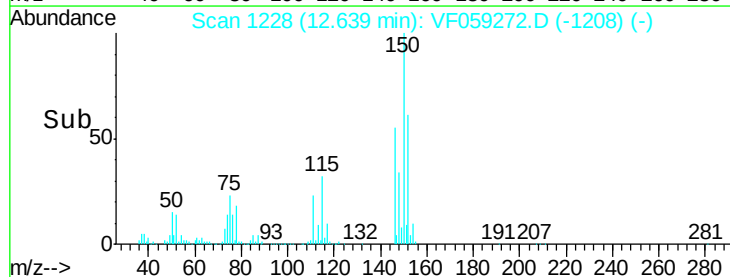
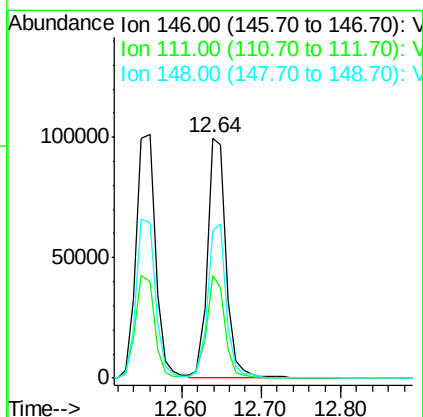
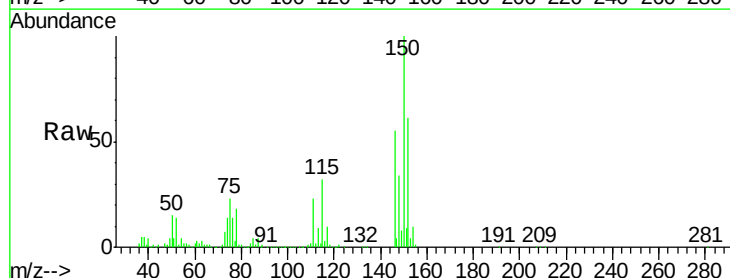
Instrument :
 MSVOA_F
 ClientSampleId :

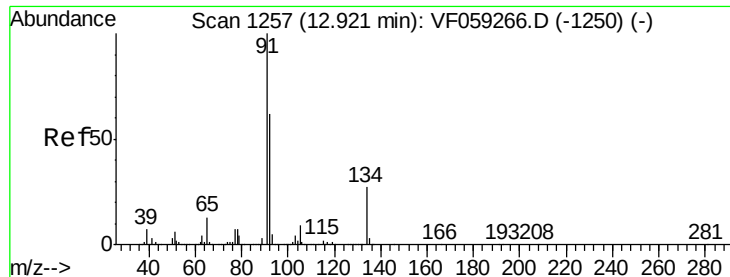
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	21.0	63.0
148	64.0	31.6	94.8



#88
 1,4-Dichlorobenzene
 Concen: 20.64 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VF059272.D
 Acq: 21 Jun 2018 20:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.3	63.9
148	61.7	32.0	96.2

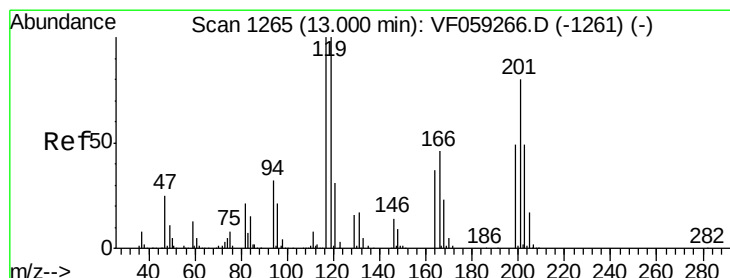
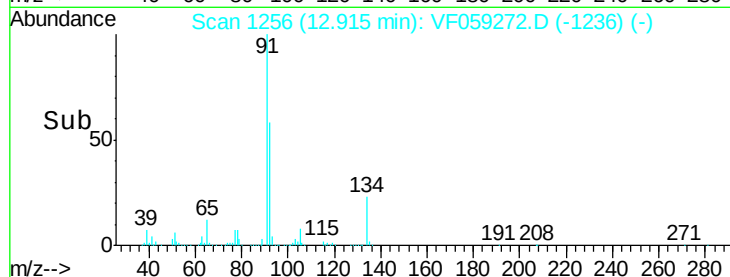
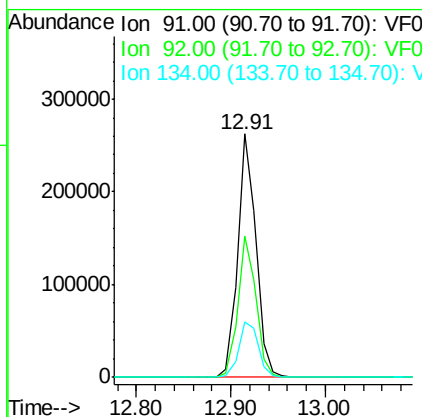
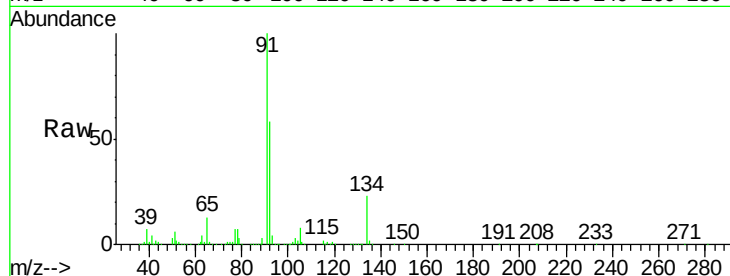




#89
n-Butylbenzene
Concen: 22.27 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

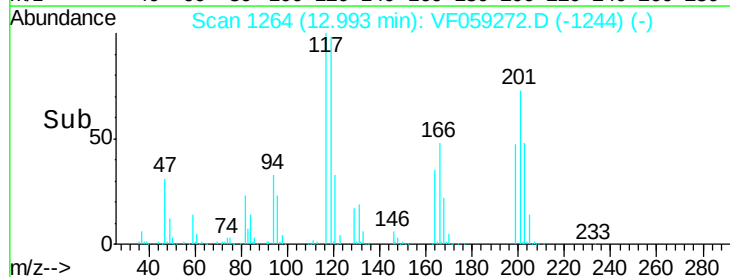
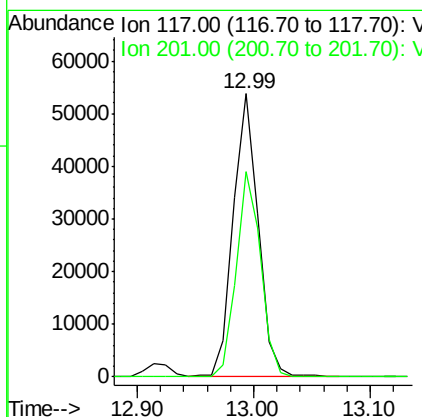
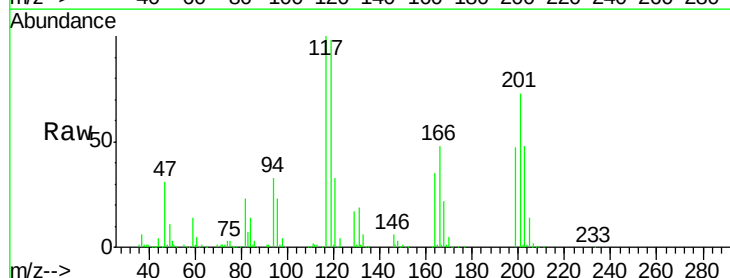
Instrument :
MSVOA_F
ClientSampleId :

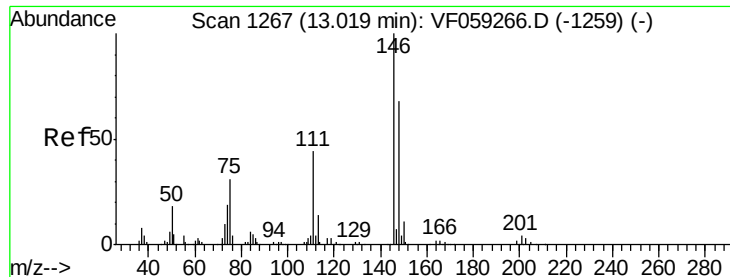
Tot Ion	Ratio	Lower	Upper
91	100		
92	57.9	31.2	93.6
134	22.9	13.4	40.1



#90
Hexachloroethane
Concen: 20.65 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.6	39.8	119.3





#91

1,2-Dichlorobenzene

Concen: 20.09 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

Instrument :

MSVOA_F

ClientSampleId :

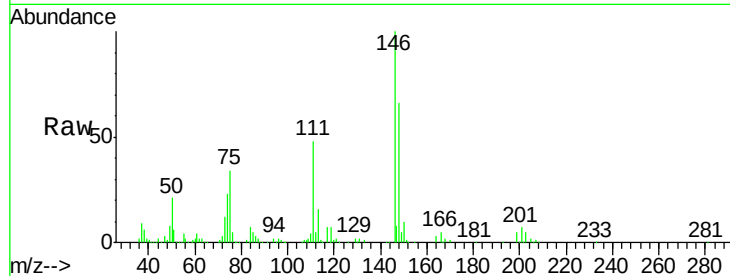
Tot Ion:146 Resp: 159505

Ion Ratio Lower Upper

146 100

111 47.7 22.1 66.3

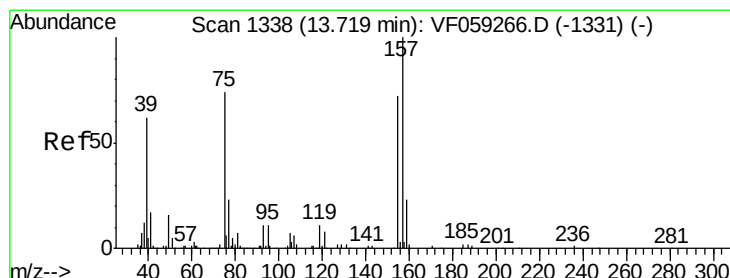
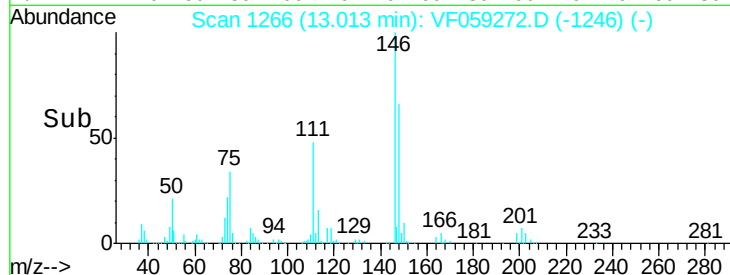
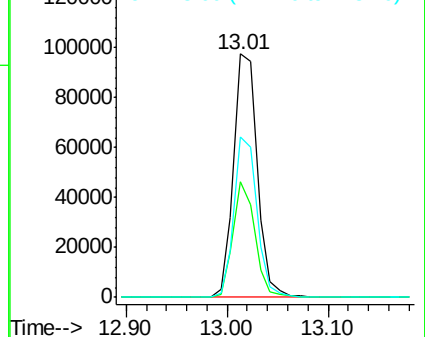
148 65.6 34.0 102.0



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: 20.00 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. -0.01 min

Lab File: VF059272.D

Acq: 21 Jun 2018 20:55

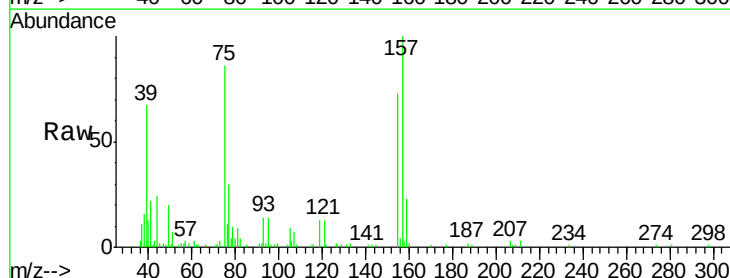
Tgt Ion: 75 Resp: 16744

Ion Ratio Lower Upper

75 100

155 89.4 48.3 144.9

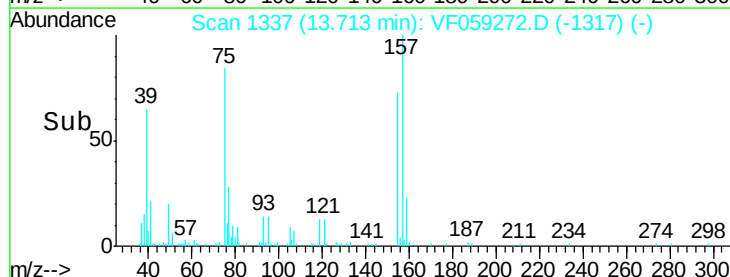
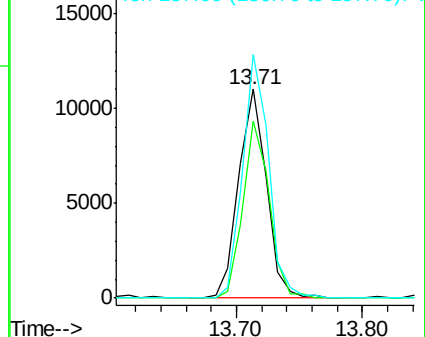
157 116.6 67.2 201.6

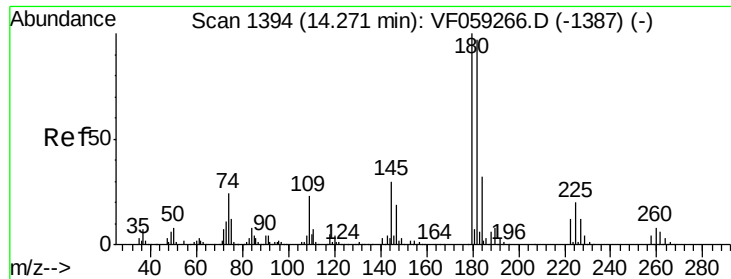


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

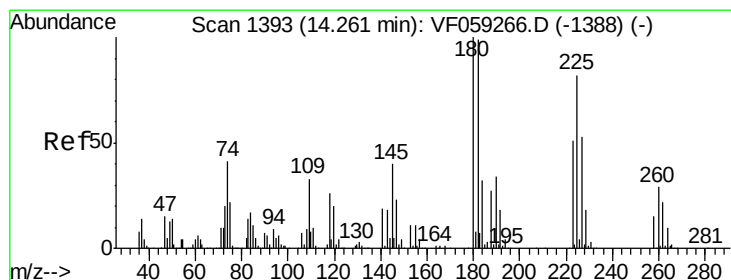
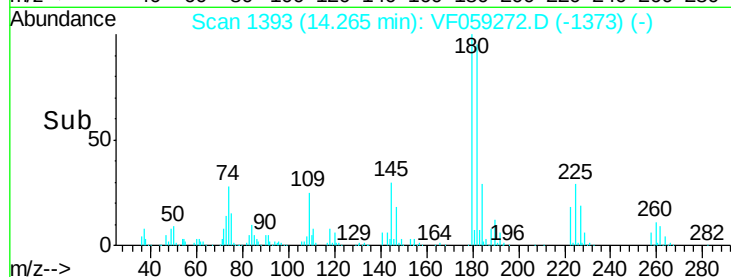
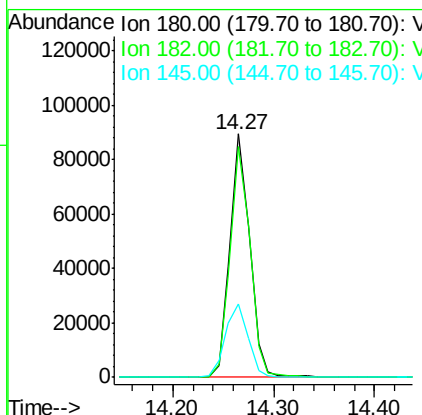
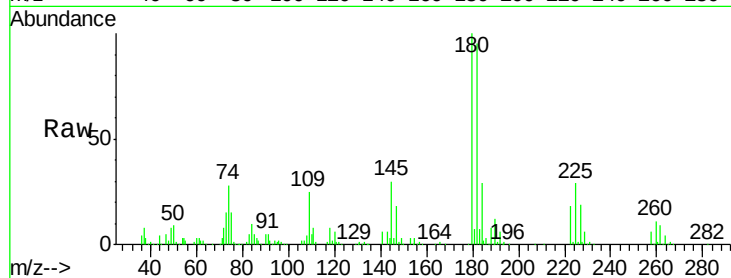




#93
 1,2,4-Trichlorobenzene
 Concen: 21.10 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059272.D
 Acq: 21 Jun 2018 20:55

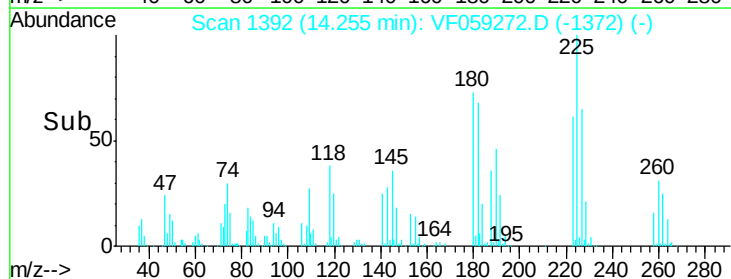
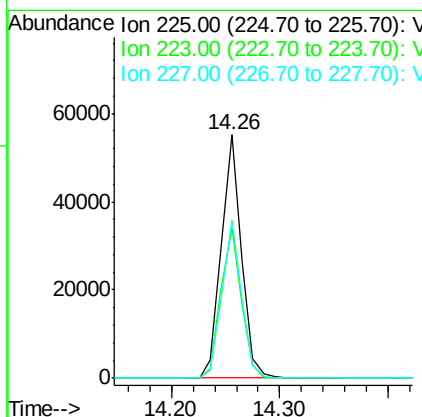
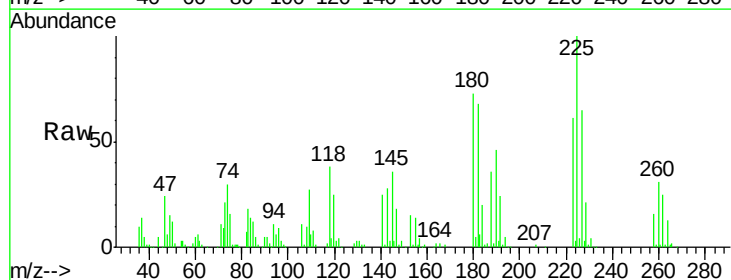
Instrument :
 MSVOA_F
 ClientSampled :

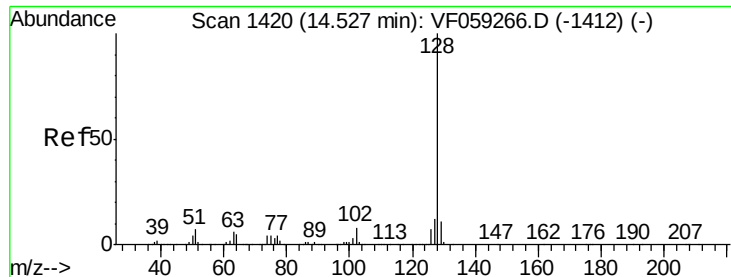
Tot Ion:180 Resp: 122325
 Ion Ratio Lower Upper
 180 100
 182 94.6 48.6 145.9
 145 30.3 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 20.66 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059272.D
 Acq: 21 Jun 2018 20:55

Tgt Ion:225 Resp: 70994
 Ion Ratio Lower Upper
 225 100
 223 61.4 30.7 92.1
 227 64.7 32.0 96.2

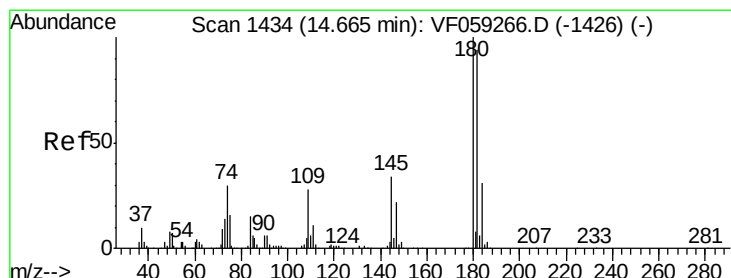
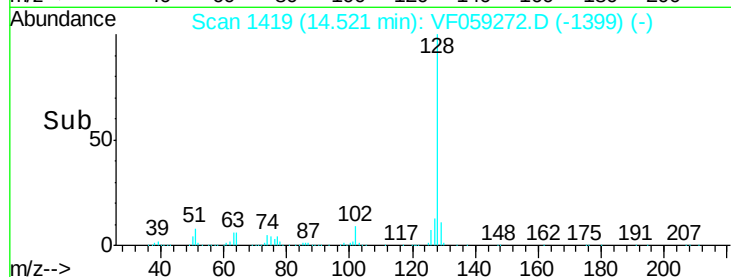
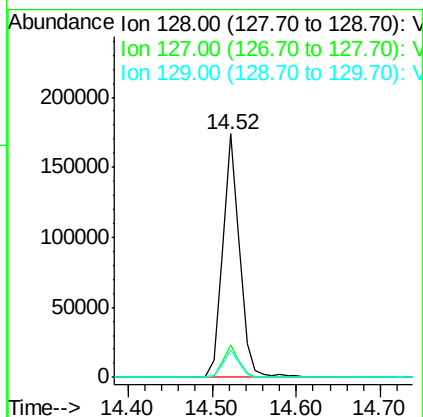
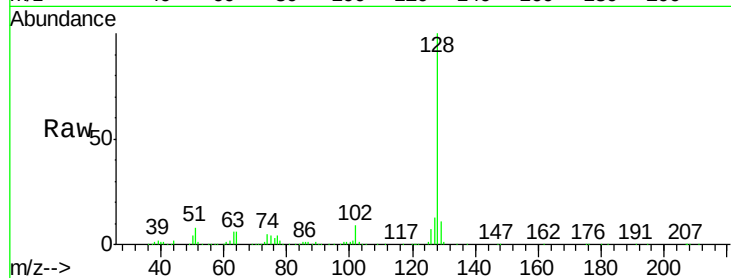




#95
Naphthalene
Concen: 20.35 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 242267
Ion Ratio Lower Upper
128 100
127 13.4 9.6 14.4
129 11.4 9.0 13.4



#96
1,2,3-Trichlorobenzene
Concen: 20.32 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059272.D
Acq: 21 Jun 2018 20:55

Tgt Ion:180 Resp: 110851
Ion Ratio Lower Upper
180 100
182 97.5 46.9 140.7
145 31.9 17.0 50.9

