

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071918\
 Data File : VF059564.D
 Acq On : 19 Jul 2018 19:06
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 20 04:51:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	225453	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	329508	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	326615	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	223506	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	178695	50.96	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	101.92%	
35) Dibromofluoromethane	4.29	113	147959	51.85	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	103.70%	
50) Toluene-d8	7.71	98	346283	48.17	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	96.34%	
62) 4-Bromofluorobenzene	11.50	95	201978	53.56	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	107.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	141391	51.187	ug/l	97
3) Chloromethane	1.08	50	64230	42.260	ug/l	97
4) Vinyl Chloride	1.15	62	73936	48.212	ug/l	96
5) Bromomethane	1.34	94	60552	56.973	ug/l	93
6) Chloroethane	1.42	64	44183	57.136	ug/l	92
7) Trichlorofluoromethane	1.53	101	88892	23.684	ug/l	94
8) Diethyl Ether	1.69	74	34063	47.163	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.90	101	102374	64.588	ug/l	92
10) Methyl Iodide	1.96	142	183169	66.013	ug/l	88
11) Tert butyl alcohol	2.68	59	40456	274.978	ug/l #	83
12) 1,1-Dichloroethene	1.85	96	82082	48.696	ug/l	93
13) Acrolein	2.08	56	19951	338.577	ug/l #	81
14) Allyl chloride	2.19	41	146844	69.807	ug/l	84
15) Acrylonitrile	3.06	53	64275	218.487	ug/l #	86
16) Acetone	2.32	43	167831	329.196	ug/l	93
17) Carbon Disulfide	1.83	76	72448	16.773	ug/l	98
18) Methyl Acetate	2.44	43	48382	44.865	ug/l	94
19) Methyl tert-butyl Ether	2.53	73	263007	49.739	ug/l	93
20) Methylene Chloride	2.28	84	83161	52.829	ug/l #	84
21) trans-1,2-Dichloroethene	2.40	96	85715	54.999	ug/l	99
22) Diisopropyl ether	2.92	45	278603	47.125	ug/l	93
23) Vinyl Acetate	3.32	43	777666	225.103	ug/l	98
24) 1,1-Dichloroethane	2.99	63	191584	52.474	ug/l	100
25) 2-Butanone	4.49	43	168836	207.398	ug/l	98
26) 2,2-Dichloropropane	3.75	77	154520	63.972	ug/l	96
27) cis-1,2-Dichloroethene	3.63	96	104802	57.780	ug/l	92
28) Bromochloromethane	3.88	49	75554	47.014	ug/l #	99
29) Tetrahydrofuran	4.25	42	78397	235.396	ug/l	96
30) Chloroform	4.03	83	267852	50.785	ug/l	94
31) Cyclohexane	3.86	56	102002	53.937	ug/l	97
32) 1,1,1-Trichloroethane	4.27	97	229075	66.835	ug/l	99
36) 1,1-Dichloropropene	4.45	75	165080	50.053	ug/l	95
37) Ethyl Acetate	4.28	43	78618	43.510	ug/l #	1
38) Carbon Tetrachloride	4.17	117	247394	65.455	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	128903	51.499	ug/l	89
40) Benzene	4.81	78	308894	48.276	ug/l	99
41) Methacrylonitrile	4.91	41	40154	42.454	ug/l #	94
42) 1,2-Dichloroethane	5.10	62	212694	50.607	ug/l	99
43) Isopropyl Acetate	7.11	43	100631	42.461	ug/l #	99
44) Trichloroethene	5.67	130	115327	48.693	ug/l	96
45) 1,2-Dichloropropane	6.40	63	86593	48.759	ug/l	97
46) Dibromomethane	6.25	93	79522	49.168	ug/l	92
47) Bromodichloromethane	6.54	83	209324	50.280	ug/l	97
48) Methyl methacrylate	6.87	41	73168	43.228	ug/l	100
49) 1,4-Dioxane	6.86	88	9730	1312.896	ug/l	90
51) 4-Methyl-2-Pentanone	8.40	43	374066	222.665	ug/l	94
52) Toluene	7.78	92	227959	49.124	ug/l	96
53) t-1,3-Dichloropropene	8.43	75	187131	48.866	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	182501	47.863	ug/l	99
55) 1,1,2-Trichloroethane	8.63	97	93863	52.204	ug/l	97
56) Ethyl methacrylate	8.75	69	101928	45.712	ug/l	97
57) 1,3-Dichloropropane	9.00	76	152125	47.848	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	52602	267.207	ug/l	100
59) 2-Hexanone	9.63	43	288477	227.211	ug/l	97
60) Dibromochloromethane	8.86	129	156492	51.644	ug/l	97
61) 1,2-Dibromoethane	9.13	107	110745	49.639	ug/l	99
64) Tetrachloroethene	8.30	164	123474	50.765	ug/l	95
65) Chlorobenzene	9.93	112	307335	50.174	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	146629	52.554	ug/l	96
67) Ethyl Benzene	10.03	91	566012	51.912	ug/l	98
68) m/p-Xylenes	10.26	106	392794	102.069	ug/l	98
69) o-Xylene	10.82	106	220199	53.736	ug/l	89
70) Styrene	10.90	104	324252	51.479	ug/l	97
71) Bromoform	10.88	173	98169	50.655	ug/l	96
73) Isopropylbenzene	11.23	105	687228	48.727	ug/l	98
74) N-amyl acetate	11.46	43	165729	36.691	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	134503	43.725	ug/l	94
76) 1,2,3-Trichloropropane	11.89	75	108833	43.326	ug/l	100
77) Bromobenzene	11.59	156	182261	46.105	ug/l	89
78) n-propylbenzene	11.69	91	804697	49.740	ug/l	97
79) 2-Chlorotoluene	11.81	91	493924	49.565	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	596799	50.500	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.95	75	64462	56.177	ug/l	95
82) 4-Chlorotoluene	11.98	91	531289	47.582	ug/l	97
83) tert-Butylbenzene	12.21	119	588243	51.863	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	611351	50.281	ug/l	97
85) sec-Butylbenzene	12.39	105	757530	52.516	ug/l	100
86) p-Isopropyltoluene	12.54	119	661006	52.668	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	326714	48.175	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	327920	49.070	ug/l	98
89) n-Butylbenzene	12.91	91	657758	56.000	ug/l	96
90) Hexachloroethane	12.99	117	156487	54.891	ug/l	95
91) 1,2-Dichlorobenzene	13.02	146	314992	48.563	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	31297	44.909	ug/l	86

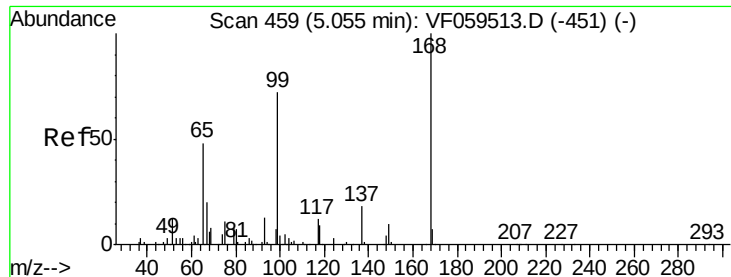
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Quant Title : SW846 8260
QLast Update : Wed Jul 18 04:09:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	240765	61.088	ug/l	98
94) Hexachlorobutadiene	14.25	225	154897	76.718	ug/l	99
95) Naphthalene	14.52	128	467372	57.082	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	235685	66.184	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

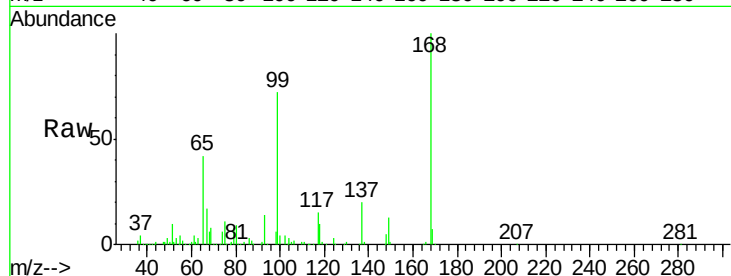
ClientSampleId :

Tot Ion:168 Resp: 225453

Ion Ratio Lower Upper

168 100

99 71.6 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

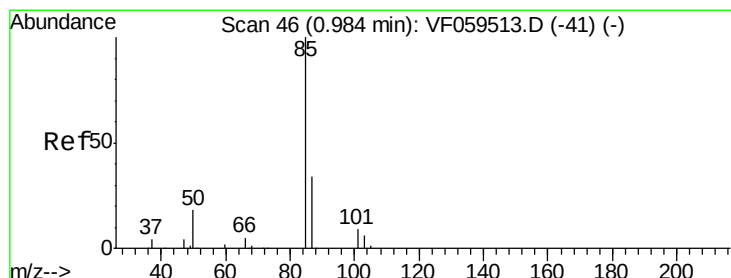
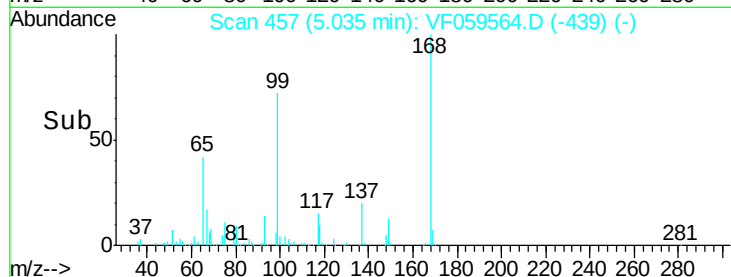
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.187 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059564.D

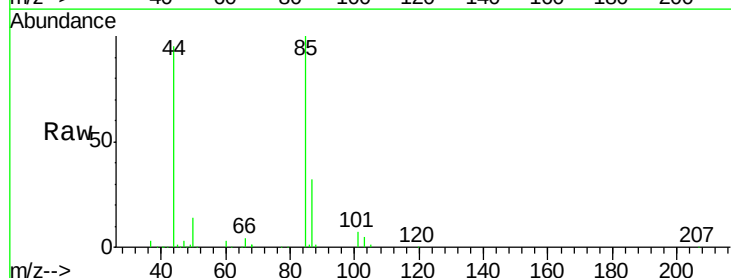
Acq: 19 Jul 2018 19:06

Tgt Ion: 85 Resp: 141391

Ion Ratio Lower Upper

85 100

87 31.9 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

40000

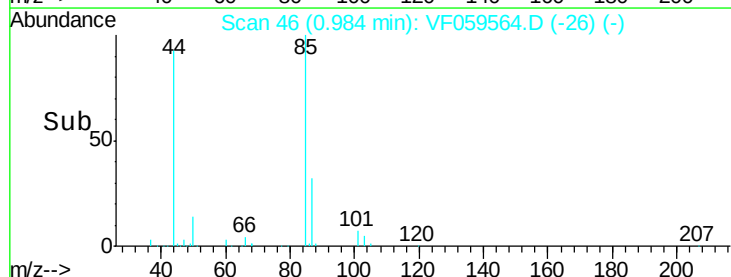
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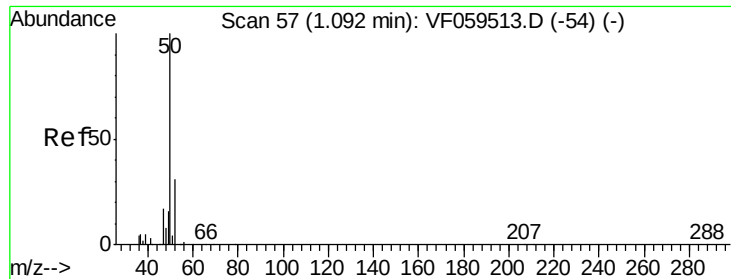
20000

10000

0

Time-->





#3

Chloromethane

Concen: 42.260 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

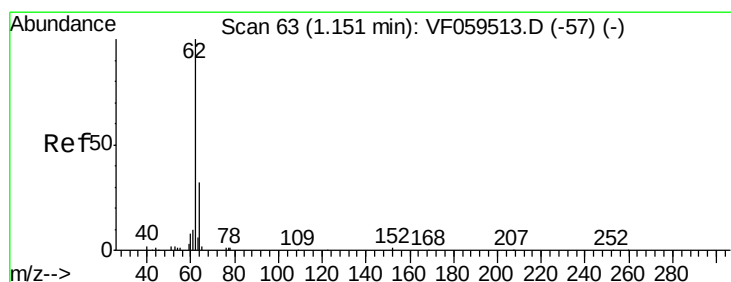
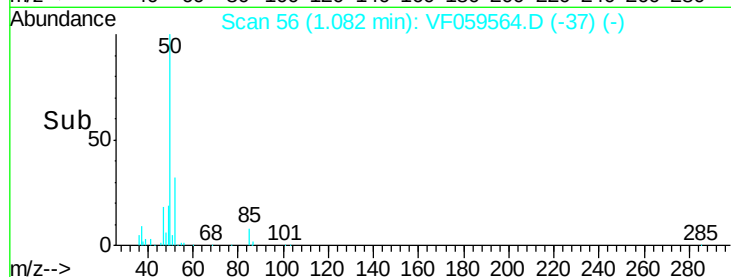
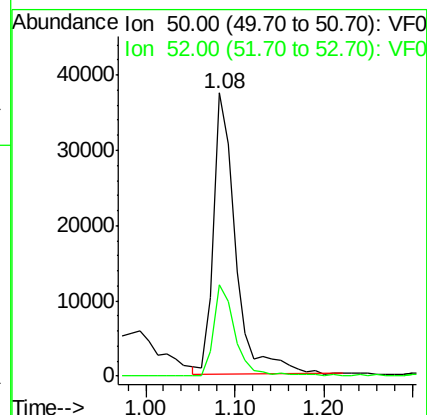
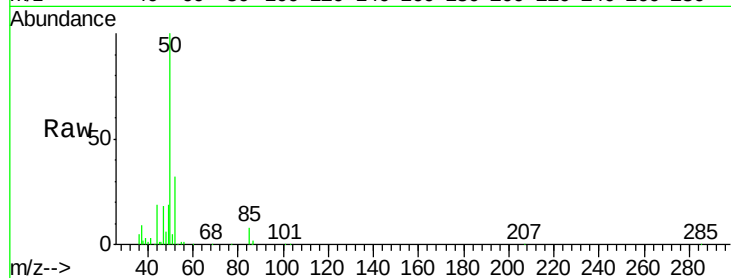
ClientSampleId :

Tot Ion: 50 Resp: 64230

Ion Ratio Lower Upper

50 100

52 32.3 24.6 37.0



#4

Vinyl Chloride

Concen: 48.212 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059564.D

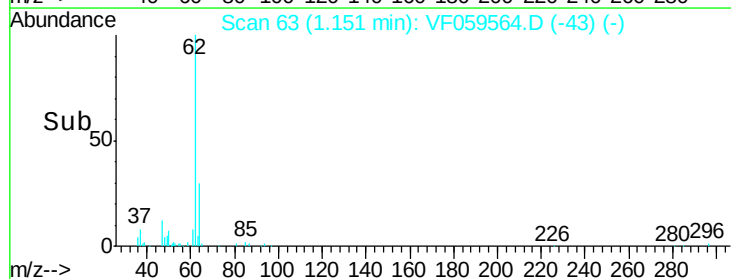
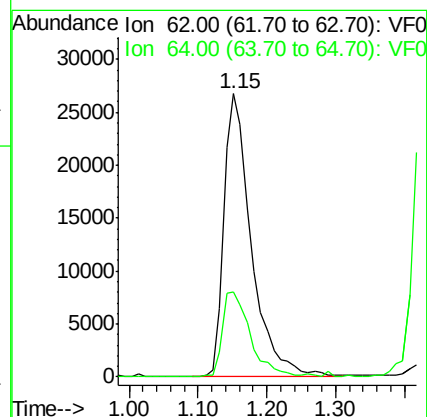
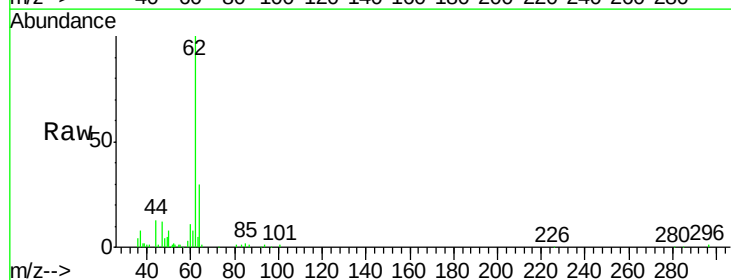
Acq: 19 Jul 2018 19:06

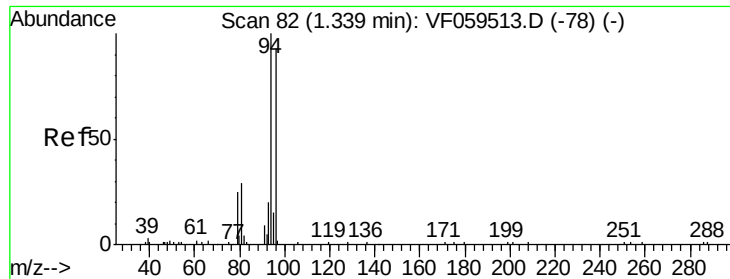
Tgt Ion: 62 Resp: 73936

Ion Ratio Lower Upper

62 100

64 30.0 25.7 38.5





#5

Bromomethane

Concen: 56.973 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

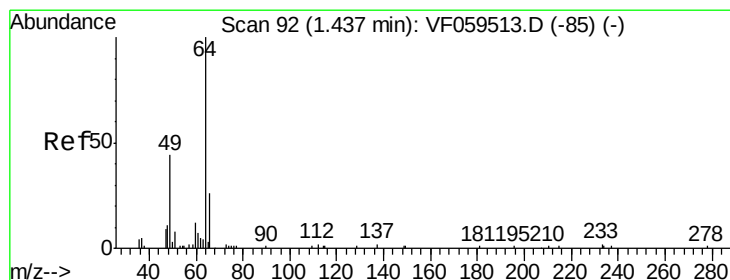
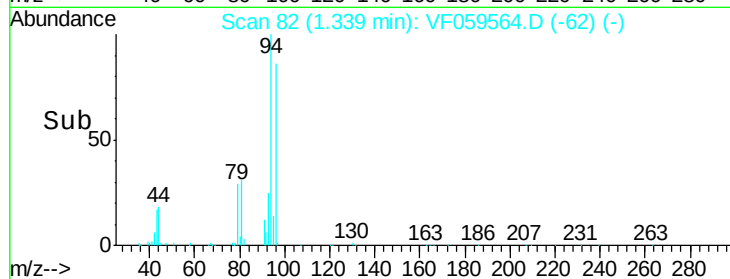
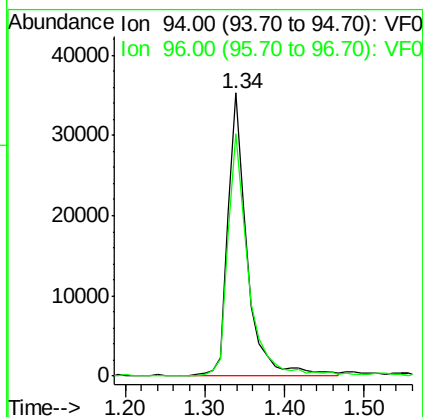
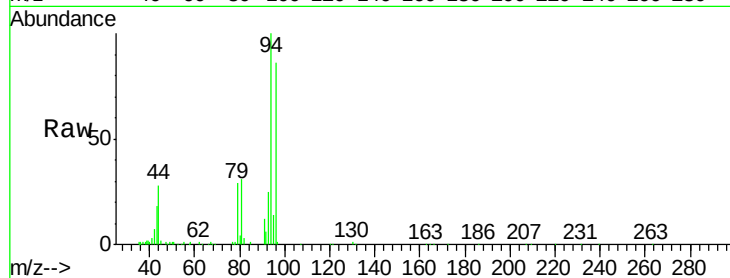
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 60552

Ion Ratio Lower Upper

94 100

96 85.6 74.2 111.2



#6

Chloroethane

Concen: 57.136 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.02 min

Lab File: VF059564.D

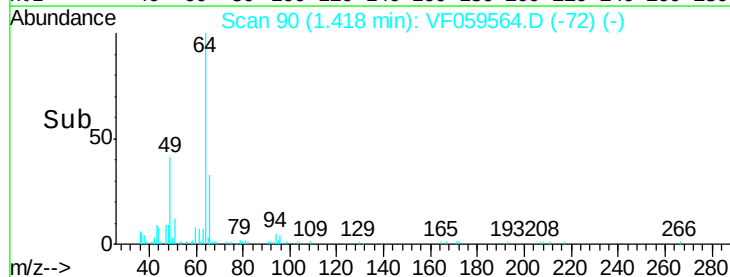
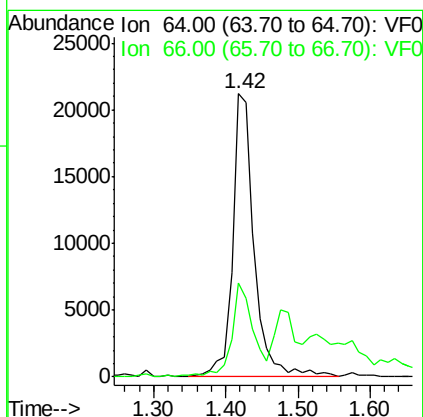
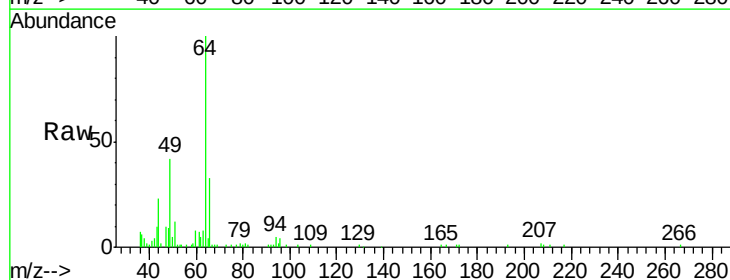
Acq: 19 Jul 2018 19:06

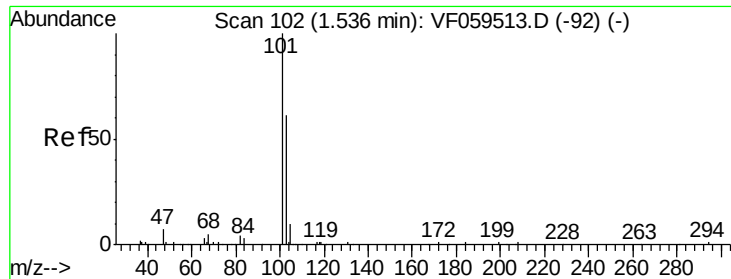
Tgt Ion: 64 Resp: 44183

Ion Ratio Lower Upper

64 100

66 33.0 22.9 34.3



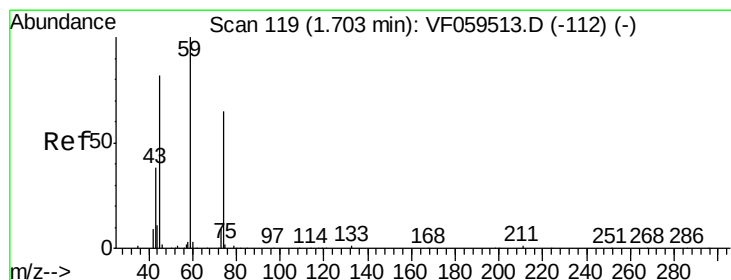
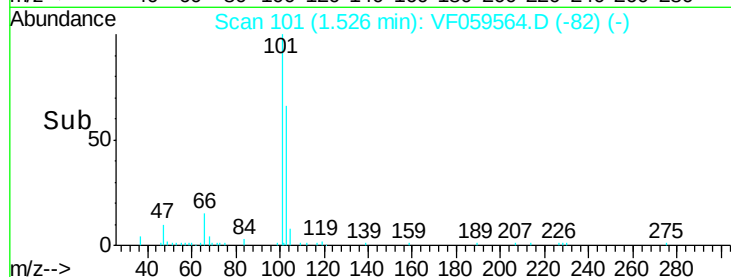
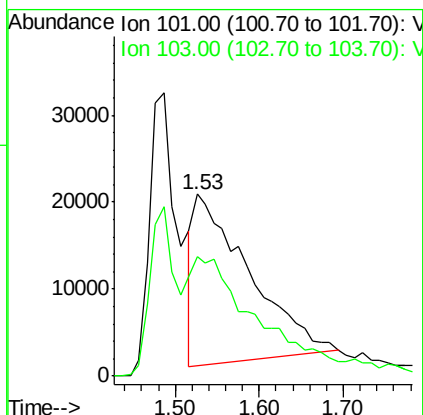
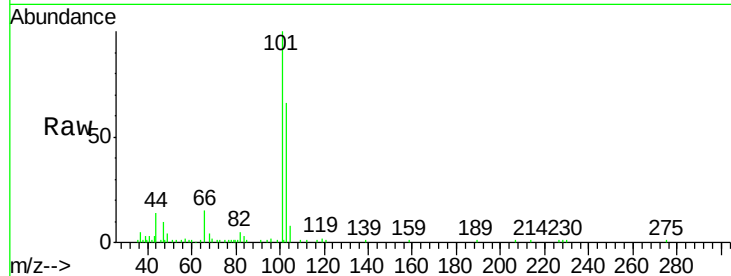


#7

Trichlorofluoromethane
Concen: 23.684 ug/l
RT: 1.53 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Instrument :
MSVOA_F
ClientSampleId :

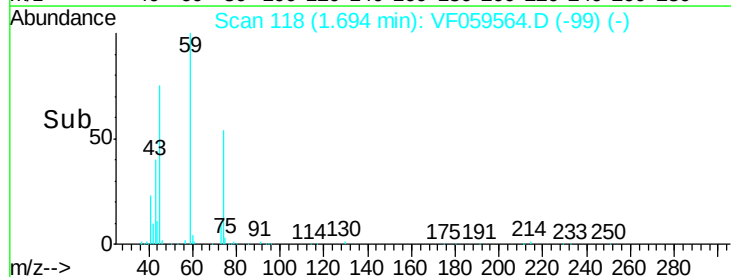
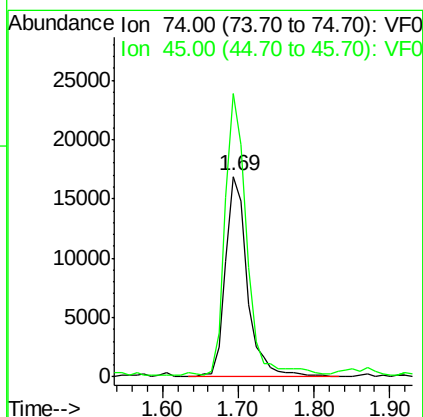
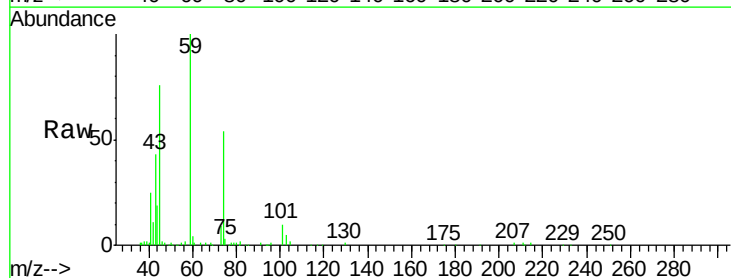
Tot Ion:101 Resp: 88892
Ion Ratio Lower Upper
101 100
103 65.0 48.6 72.8

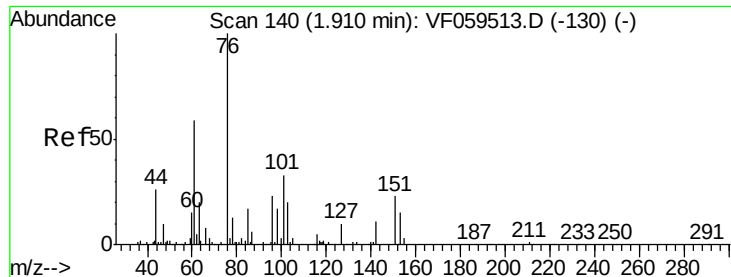


#8

Diethyl Ether
Concen: 47.163 ug/l
RT: 1.69 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Tgt Ion: 74 Resp: 34063
Ion Ratio Lower Upper
74 100
45 140.9 63.6 190.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 64.588 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

ClientSampled :

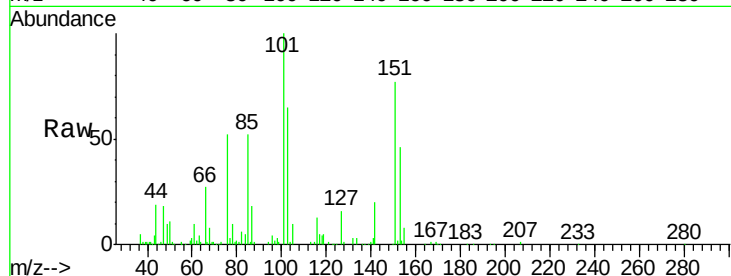
Tot Ion:101 Resp: 102374

Ion Ratio Lower Upper

101 100

85 52.5 39.8 59.6

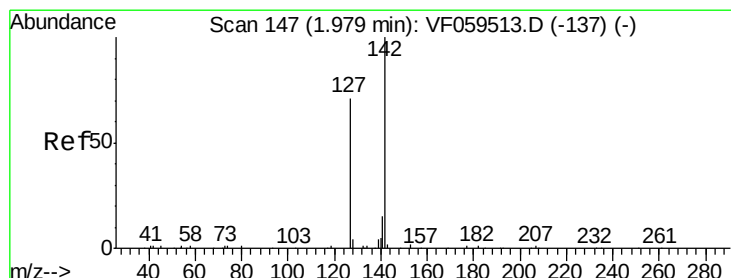
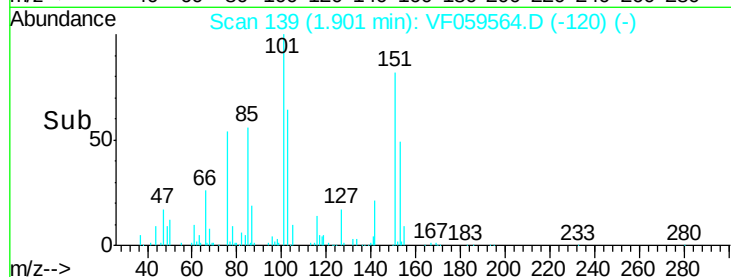
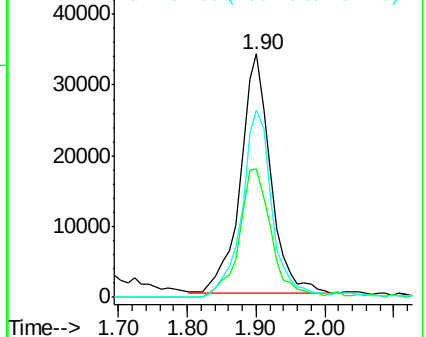
151 77.1 54.2 81.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 66.013 ug/l

RT: 1.96 min Scan# 145

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

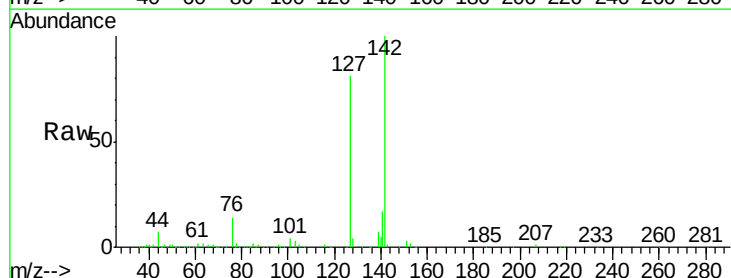
Tgt Ion:142 Resp: 183169

Ion Ratio Lower Upper

142 100

127 81.4 56.4 84.6

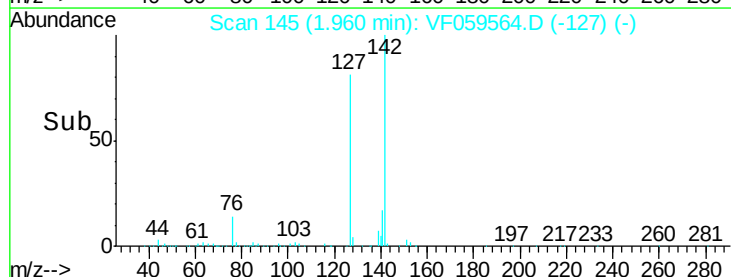
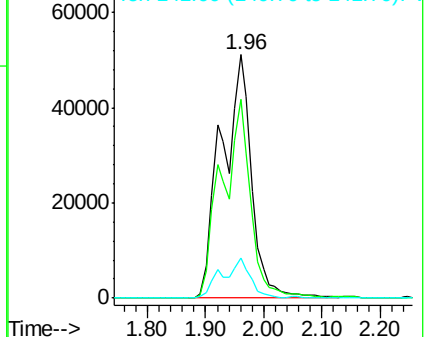
141 16.6 12.0 18.0

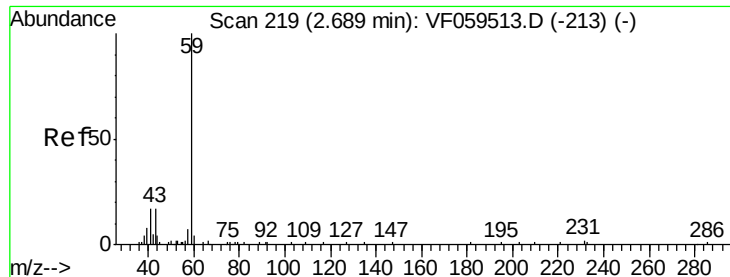


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



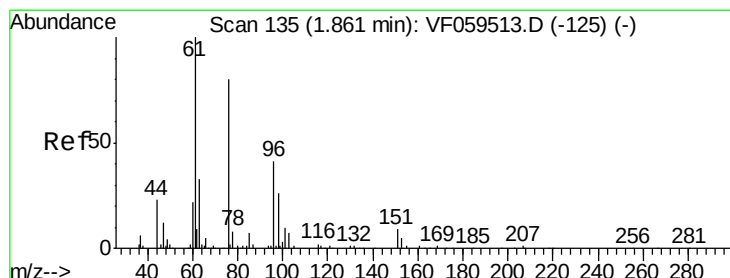
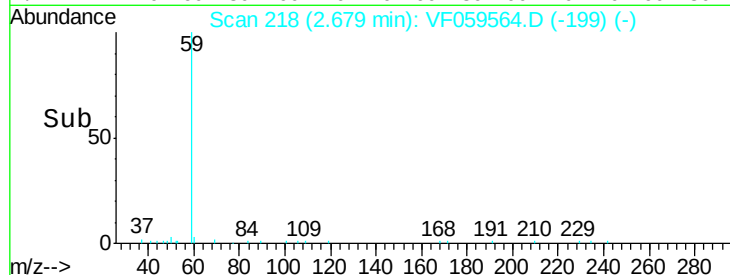
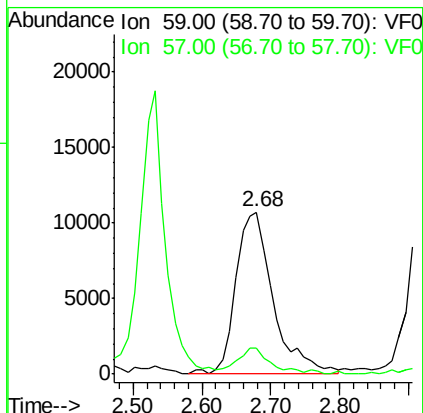
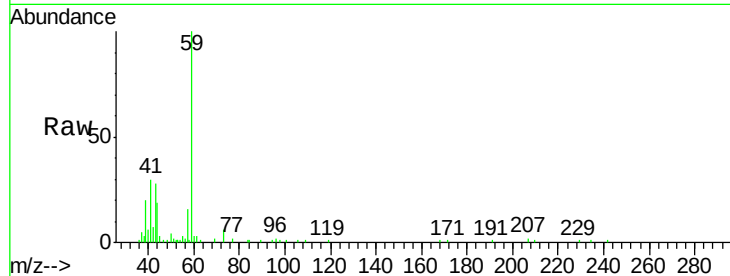


#11

Tert butyl alcohol
Concen: 274.978 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.01 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Instrument :
MSVOA_F
ClientSampled :

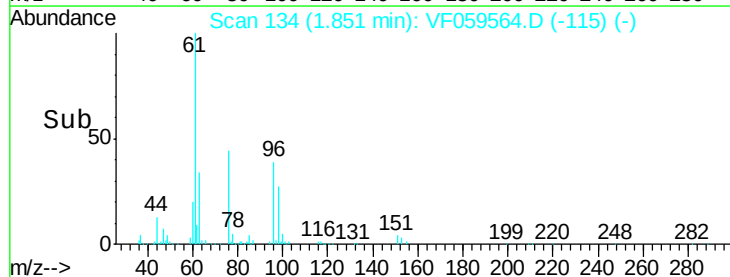
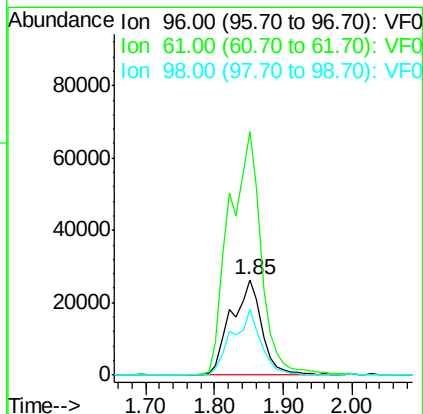
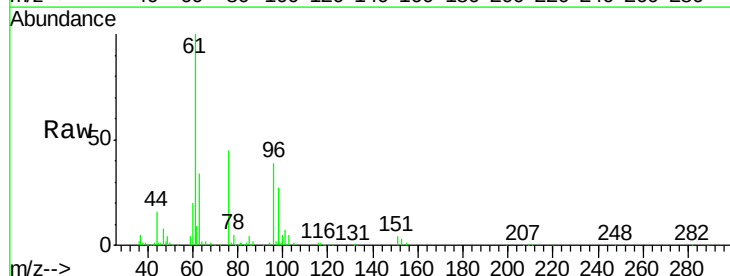
Tot Ion: 59 Resp: 40456
Ion Ratio Lower Upper
59 100
57 15.7 7.7 11.5#

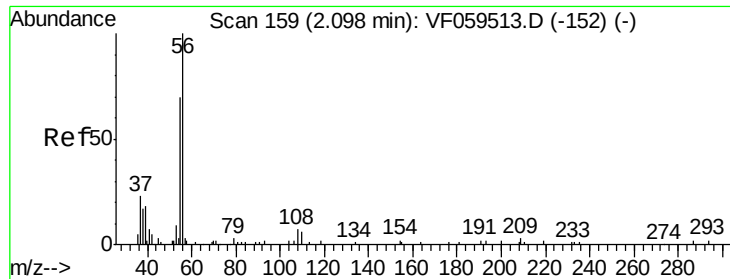


#12

1,1-Dichloroethene
Concen: 48.696 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.01 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Tgt Ion: 96 Resp: 82082
Ion Ratio Lower Upper
96 100
61 254.4 194.3 291.5
98 68.1 50.3 75.5

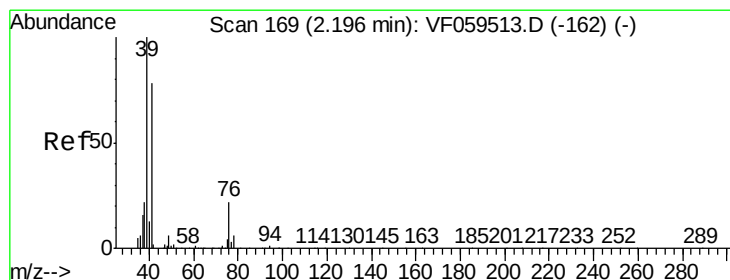
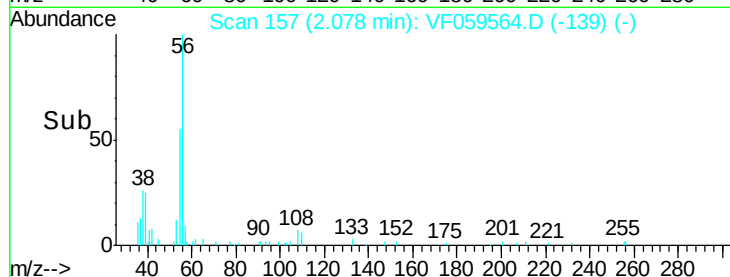
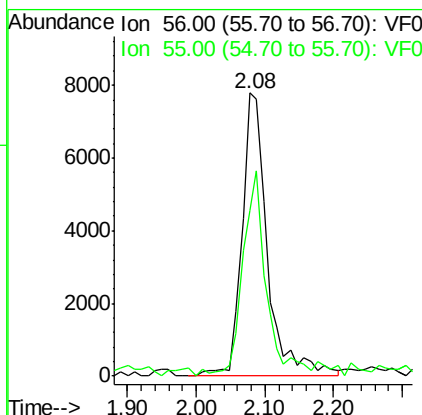
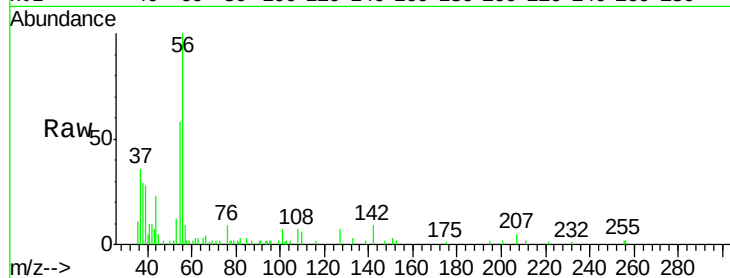




#13
Acrolein
Concen: 338.577 ug/l
RT: 2.08 min Scan# 157
Delta R.T. -0.02 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

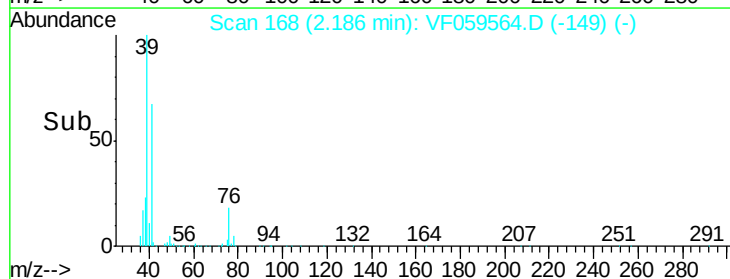
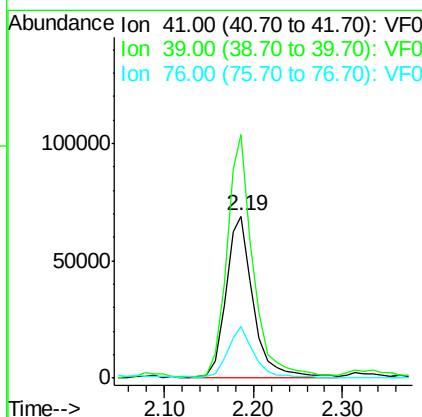
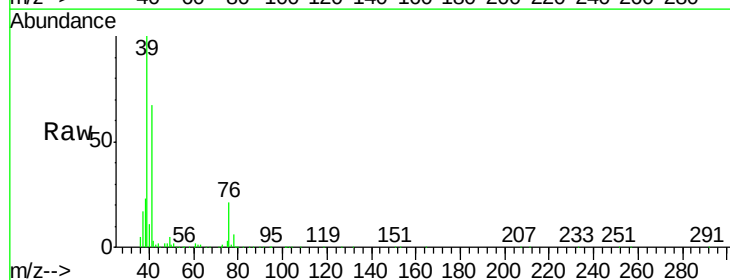
Instrument :
MSVOA_F
ClientSampleId :

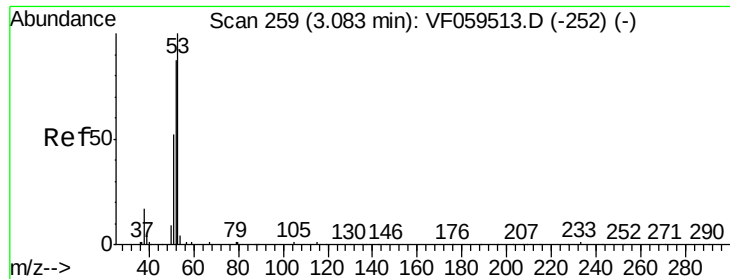
Tot Ion: 56 Resp: 19951
Ion Ratio Lower Upper
56 100
55 58.4 59.4 89.2#



#14
Allyl chloride
Concen: 69.807 ug/l
RT: 2.19 min Scan# 168
Delta R.T. -0.01 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Tgt Ion: 41 Resp: 146844
Ion Ratio Lower Upper
41 100
39 150.0 103.0 154.4
76 31.5 22.6 34.0





#15

Acrylonitrile

Concen: 218.487 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

ClientSampleId :

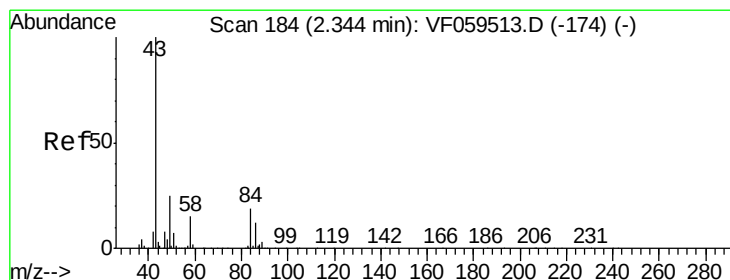
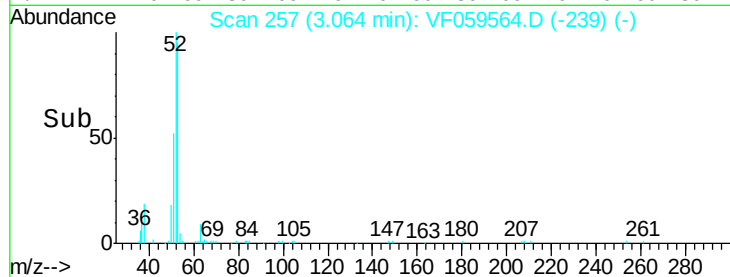
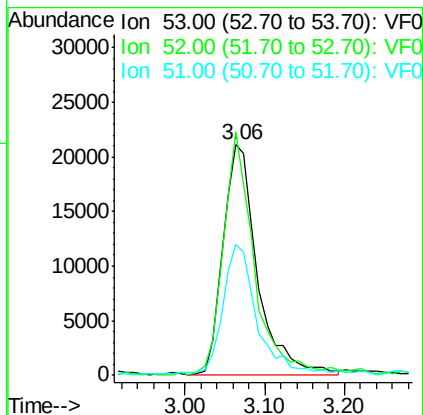
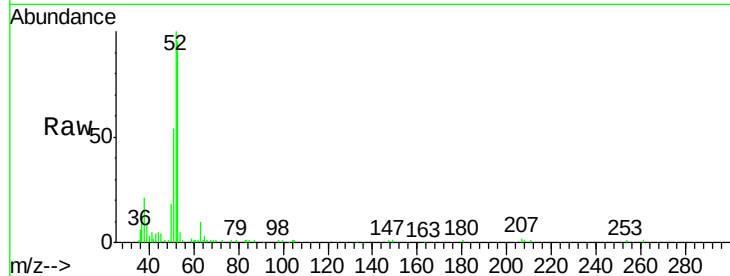
Tot Ion: 53 Resp: 64275

Ion Ratio Lower Upper

53 100

52 105.6 70.1 105.1#

51 56.6 42.5 63.7



#16

Acetone

Concen: 329.196 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.02 min

Lab File: VF059564.D

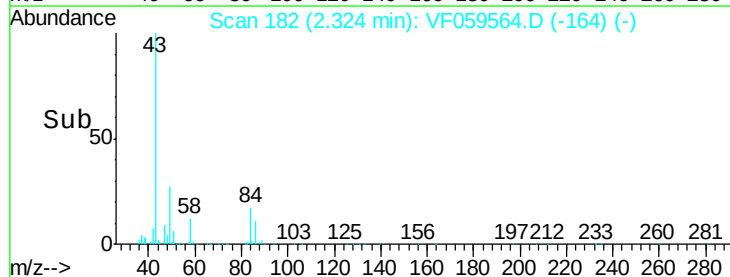
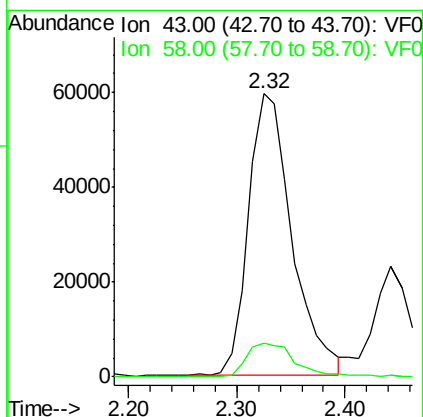
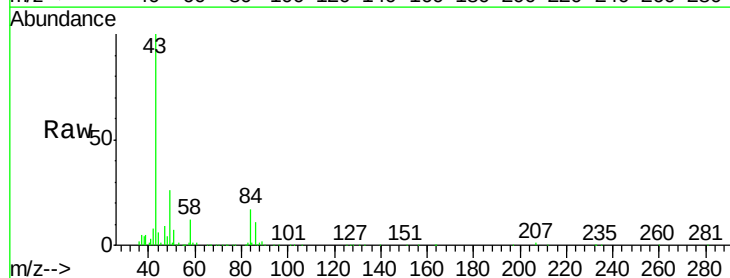
Acq: 19 Jul 2018 19:06

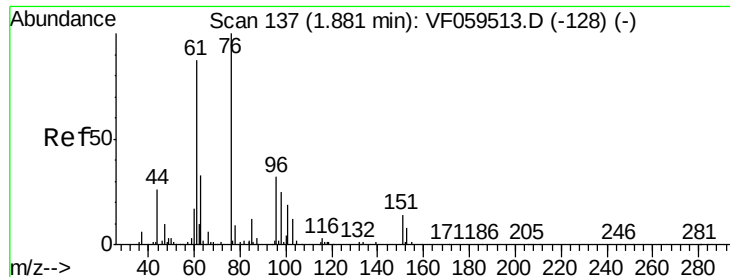
Tgt Ion: 43 Resp: 167831

Ion Ratio Lower Upper

43 100

58 11.8 11.8 17.6





#17

Carbon Disulfide

Concen: 16.773 ug/l

RT: 1.83 min Scan# 132

Delta R.T. -0.05 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

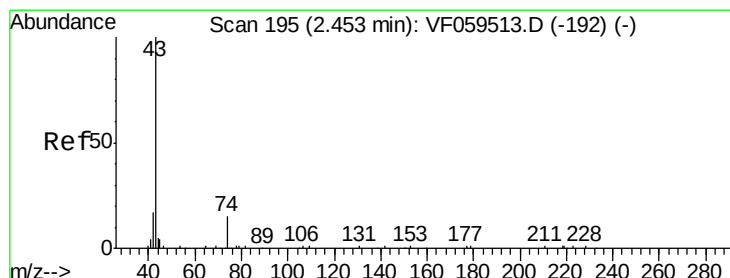
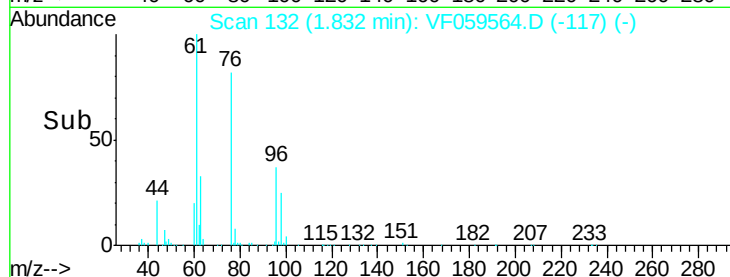
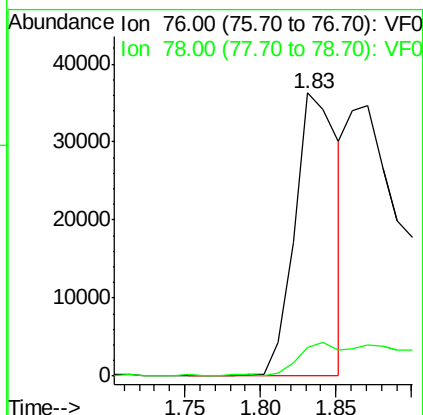
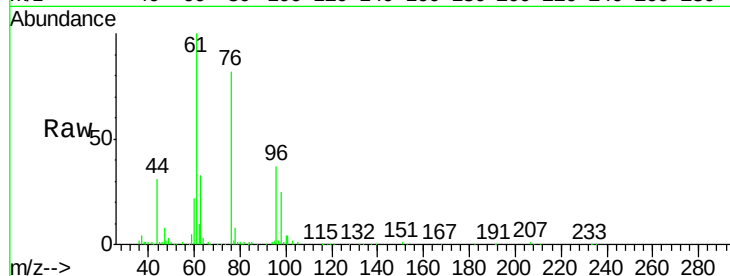
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 72448

Ion Ratio Lower Upper

76 100

78 10.3 7.8 11.6



#18

Methyl Acetate

Concen: 44.865 ug/l

RT: 2.44 min Scan# 194

Delta R.T. -0.01 min

Lab File: VF059564.D

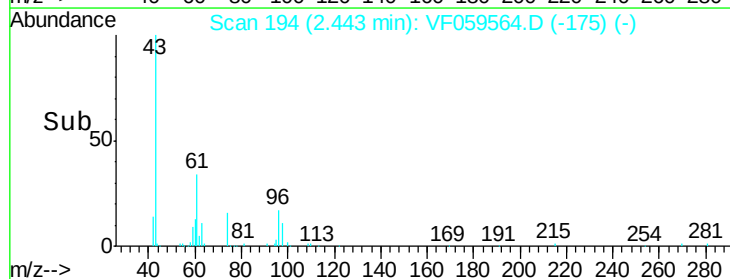
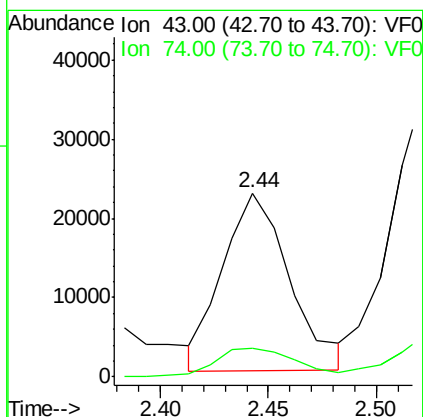
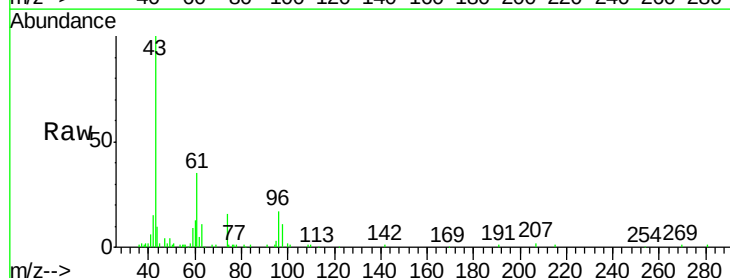
Acq: 19 Jul 2018 19:06

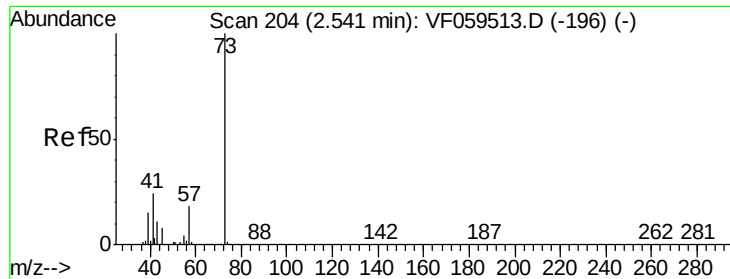
Tgt Ion: 43 Resp: 48382

Ion Ratio Lower Upper

43 100

74 15.7 10.6 15.8

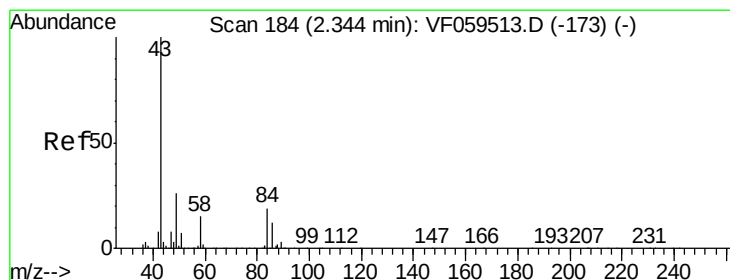
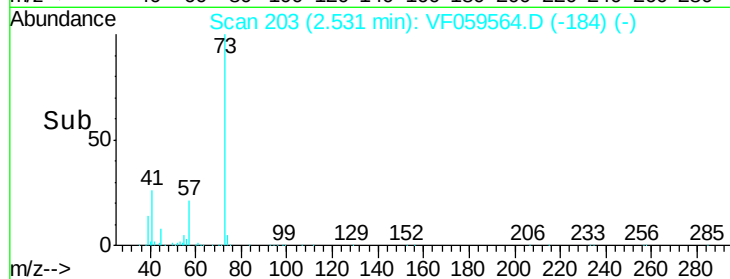
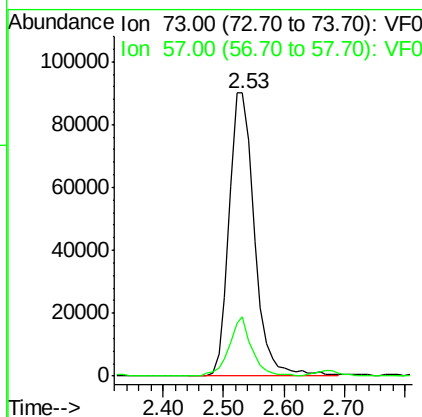
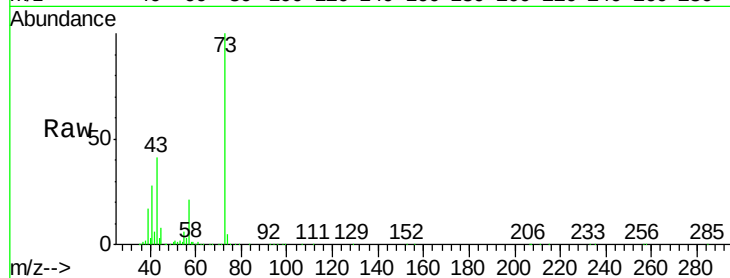




#19
Methyl tert-butyl Ether
Concen: 49.739 ug/l
RT: 2.53 min Scan# 203
Delta R.T. -0.01 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

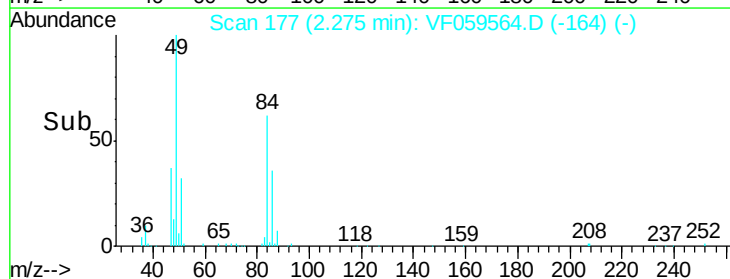
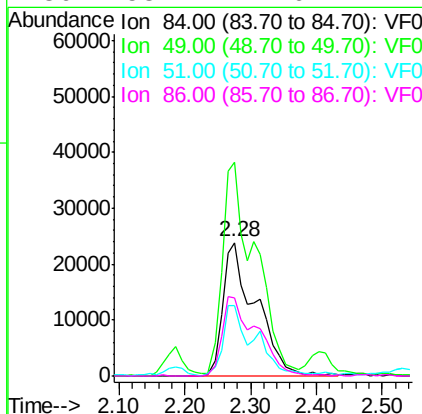
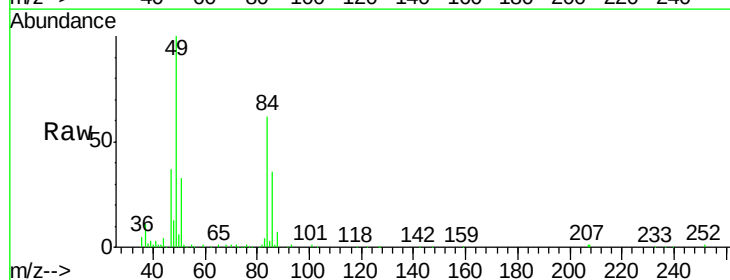
Instrument :
MSVOA_F
ClientSampleId :

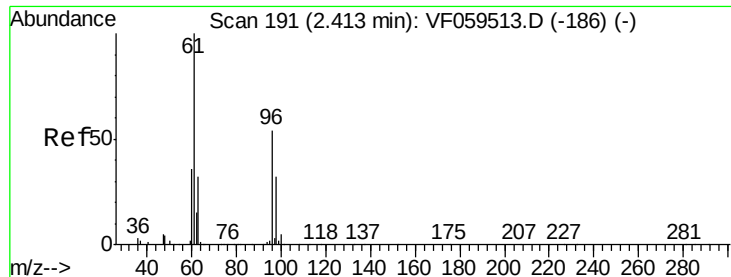
Tot Ion: 73 Resp: 263007
Ion Ratio Lower Upper
73 100
57 20.8 14.3 21.5



#20
Methylene Chloride
Concen: 52.829 ug/l
RT: 2.28 min Scan# 177
Delta R.T. -0.07 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Tgt Ion: 84 Resp: 83161
Ion Ratio Lower Upper
84 100
49 160.3 109.4 164.2
51 52.8 30.5 45.7#
86 58.2 47.6 71.4





#21

trans-1,2-Dichloroethene

Concen: 54.999 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

ClientSampleId :

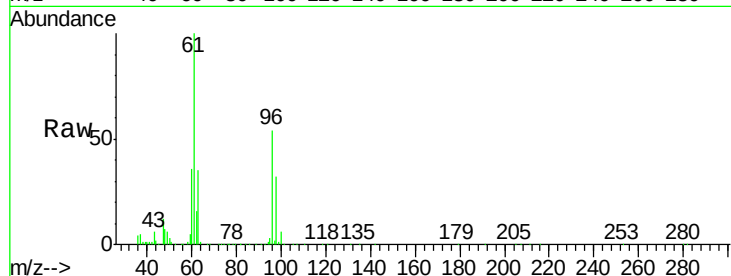
Tot Ion: 96 Resp: 85715

Ion Ratio Lower Upper

96 100

61 186.7 149.8 224.8

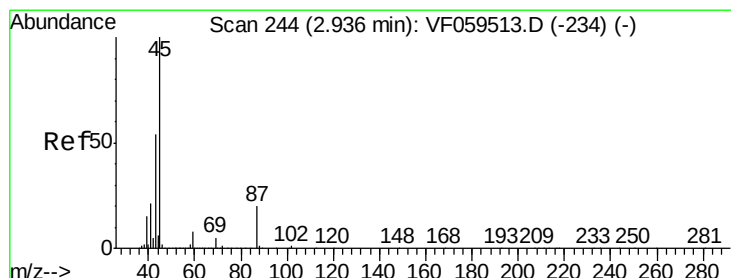
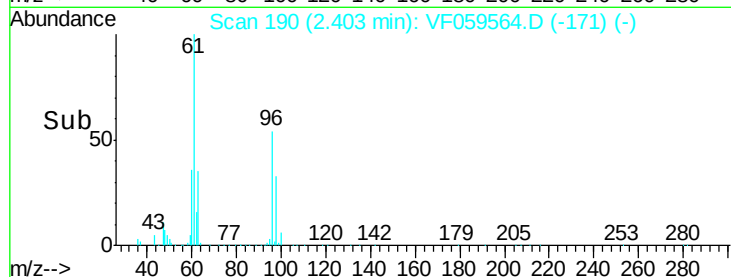
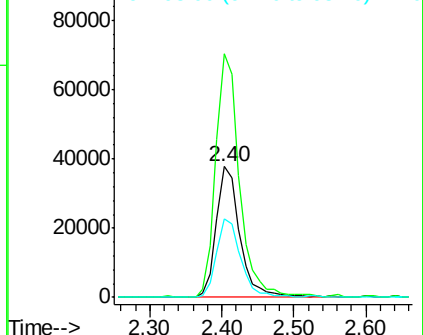
98 60.6 47.8 71.8



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 47.125 ug/l

RT: 2.92 min Scan# 242

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Tgt Ion: 45 Resp: 278603

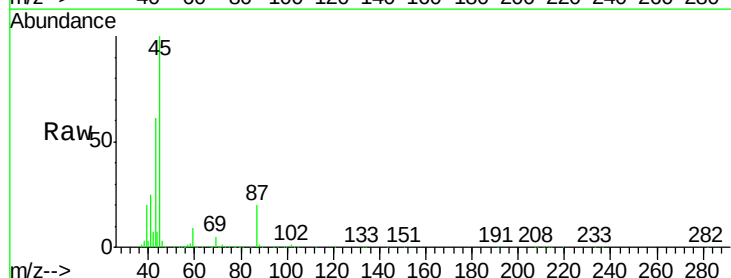
Ion Ratio Lower Upper

45 100

43 61.2 43.6 65.4

87 19.9 15.6 23.4

59 8.6 6.4 9.6

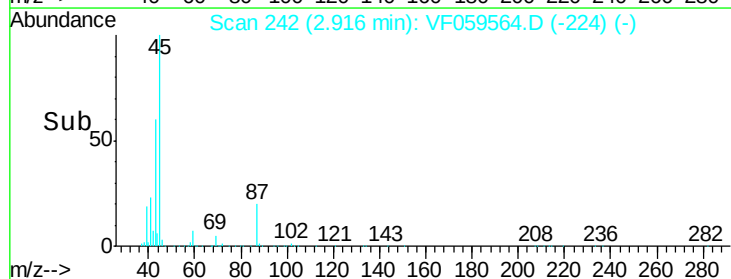
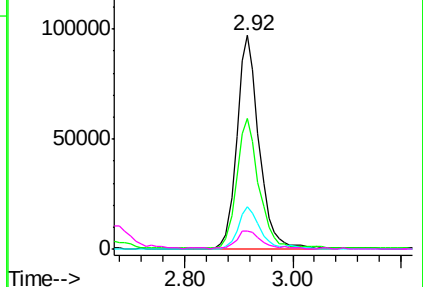


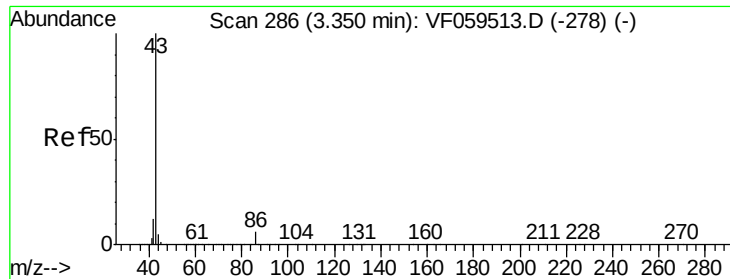
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0

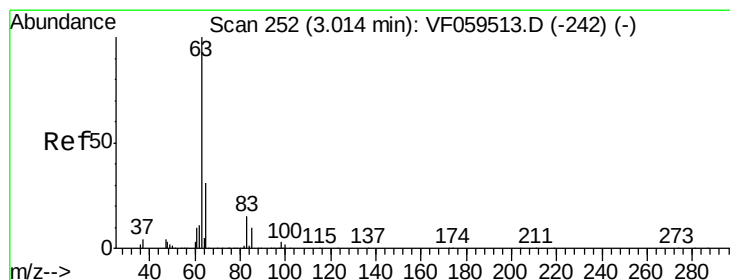
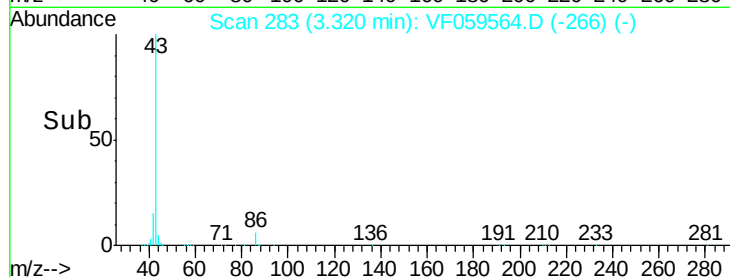
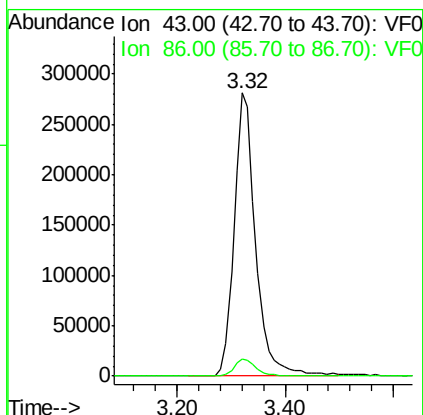
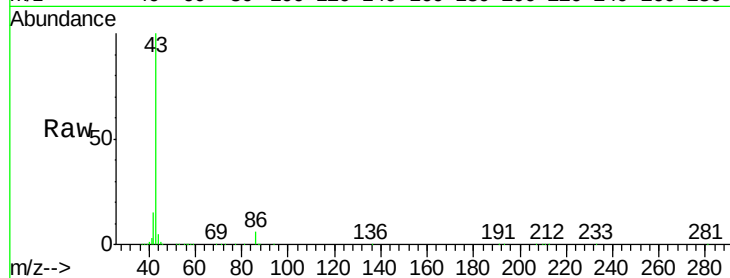




#23
 Vinyl Acetate
 Concen: 225.103 ug/l
 RT: 3.32 min Scan# 283
 Delta R.T. -0.03 min
 Lab File: VF059564.D
 Acq: 19 Jul 2018 19:06

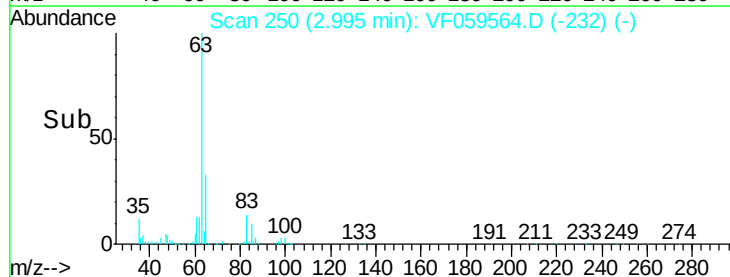
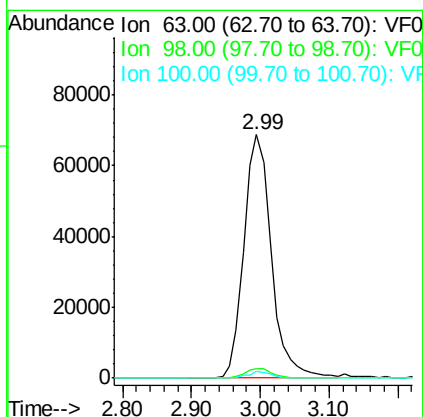
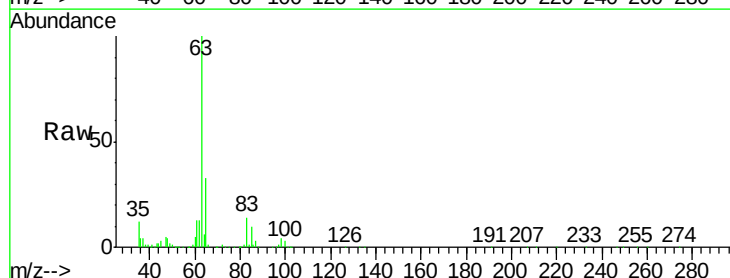
Instrument :
 MSVOA_F
 ClientSampleId :

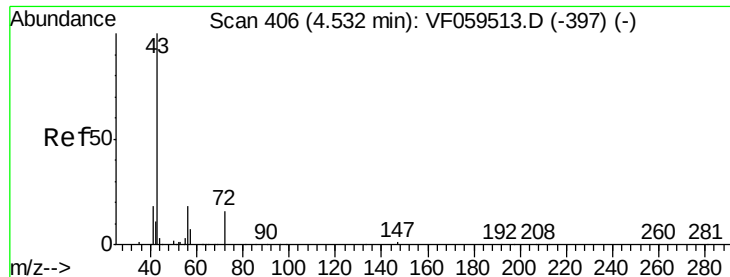
Tot Ion: 43 Resp: 777666
 Ion Ratio Lower Upper
 43 100
 86 6.2 4.4 6.6



#24
 1,1-Dichloroethane
 Concen: 52.474 ug/l
 RT: 2.99 min Scan# 250
 Delta R.T. -0.02 min
 Lab File: VF059564.D
 Acq: 19 Jul 2018 19:06

Tgt Ion: 63 Resp: 191584
 Ion Ratio Lower Upper
 63 100
 98 3.6 1.8 5.4
 100 2.7 1.3 3.8





#25

2-Butanone

Concen: 207.398 ug/l

RT: 4.49 min Scan# 402

Delta R.T. -0.04 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

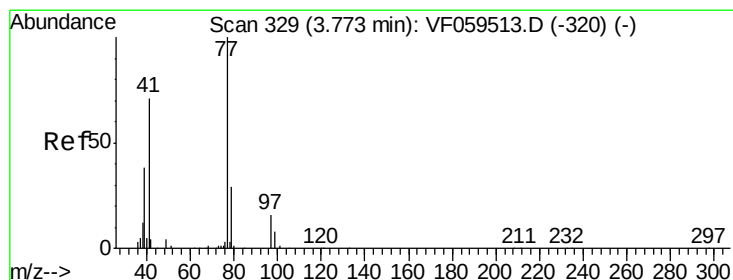
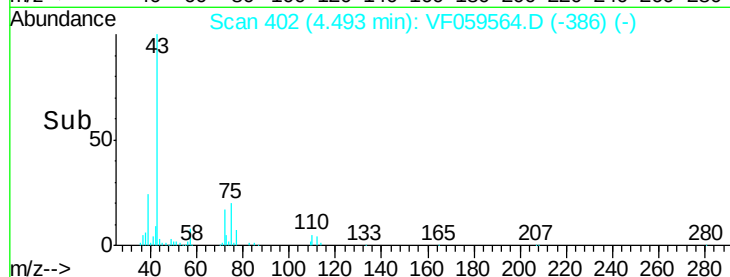
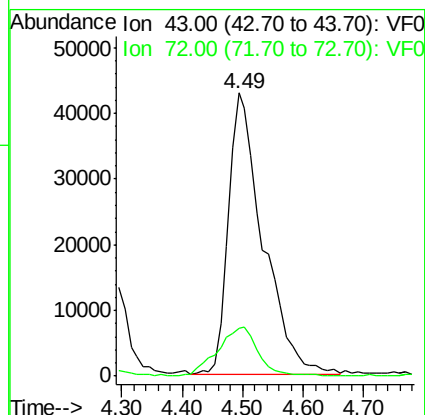
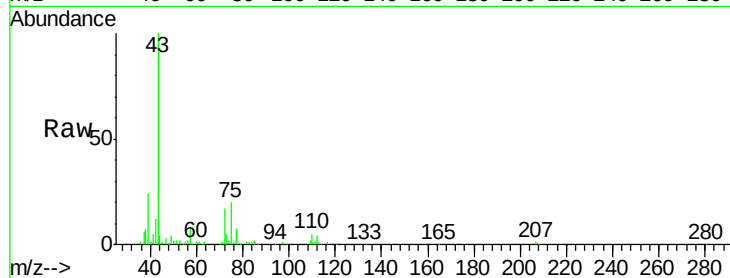
ClientSampleId :

Tot Ion: 43 Resp: 168836

Ion Ratio Lower Upper

43 100

72 17.0 14.2 21.4



#26

2,2-Dichloropropane

Concen: 63.972 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.02 min

Lab File: VF059564.D

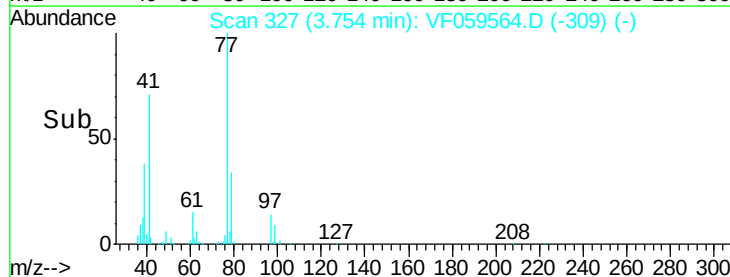
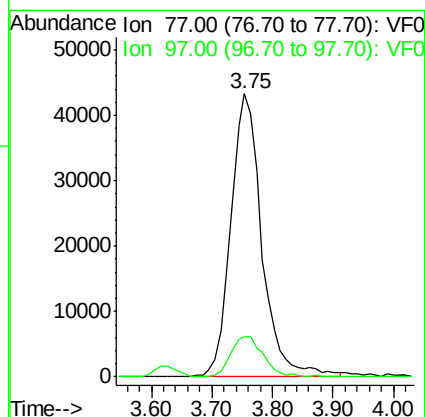
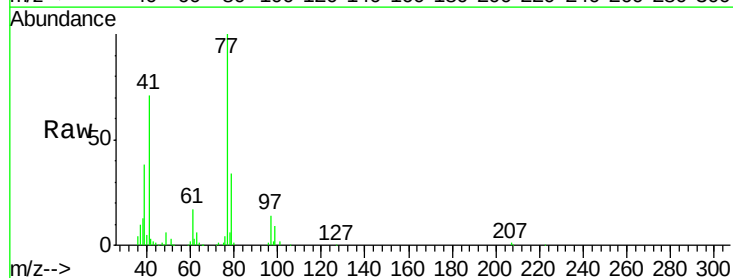
Acq: 19 Jul 2018 19:06

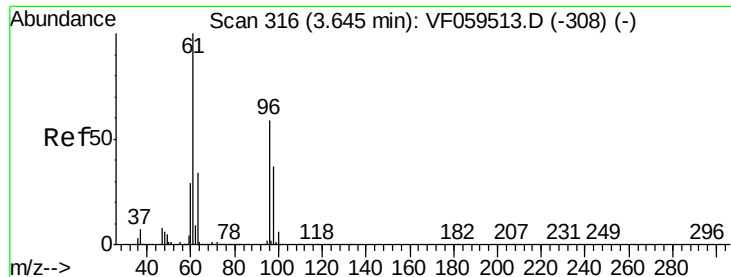
Tgt Ion: 77 Resp: 154520

Ion Ratio Lower Upper

77 100

97 14.4 8.1 24.3





#27

cis-1,2-Dichloroethene

Concen: 57.780 ug/l

RT: 3.63 min Scan# 314

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

ClientSampleId :

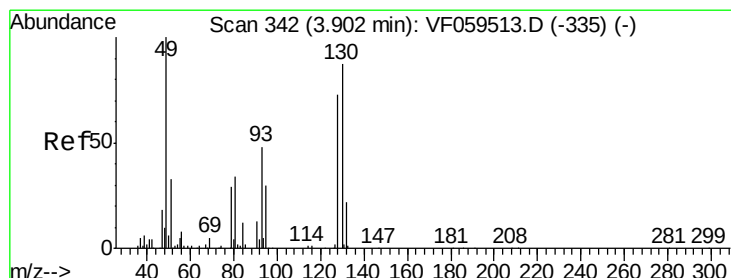
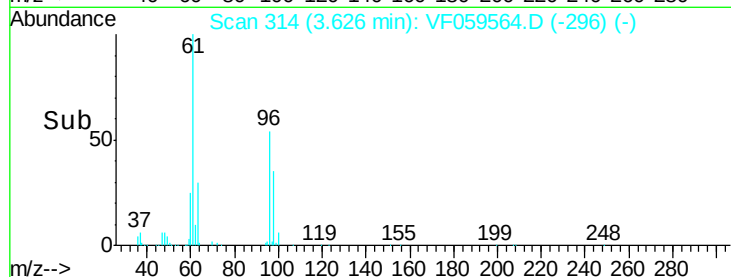
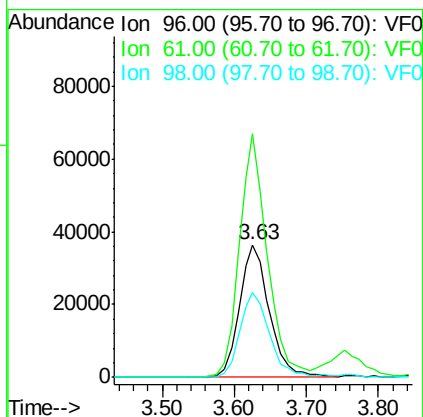
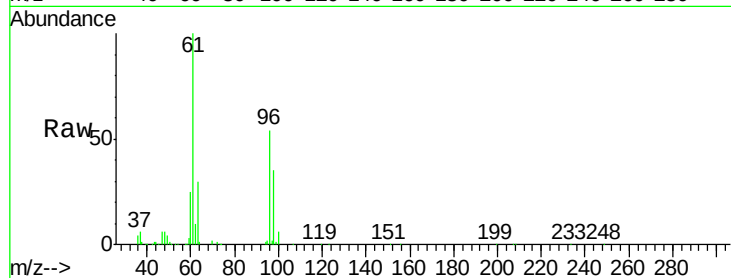
Tot Ion: 96 Resp: 104802

Ion Ratio Lower Upper

96 100

61 184.1 0.0 339.0

98 63.9 0.0 125.4



#28

Bromochloromethane

Concen: 47.014 ug/l

RT: 3.88 min Scan# 340

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

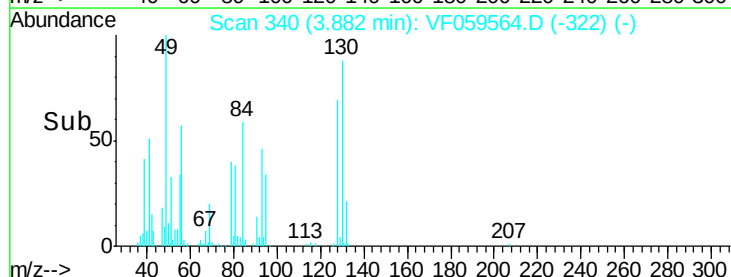
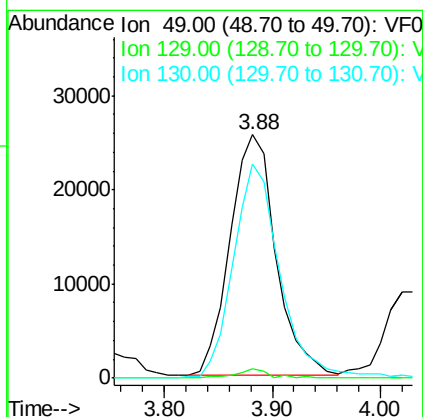
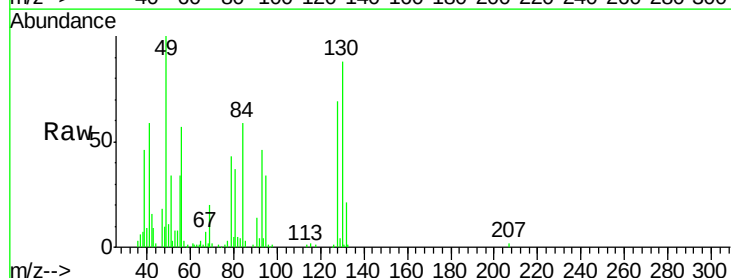
Tgt Ion: 49 Resp: 75554

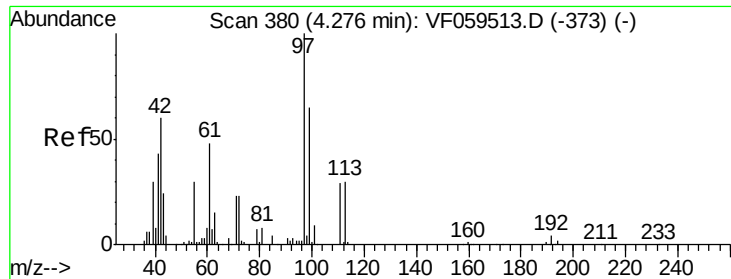
Ion Ratio Lower Upper

49 100

129 4.0 0.0 0.0#

130 87.8 69.8 104.6





#29

Tetrahydrofuran

Concen: 235.396 ug/l

RT: 4.25 min Scan# 377

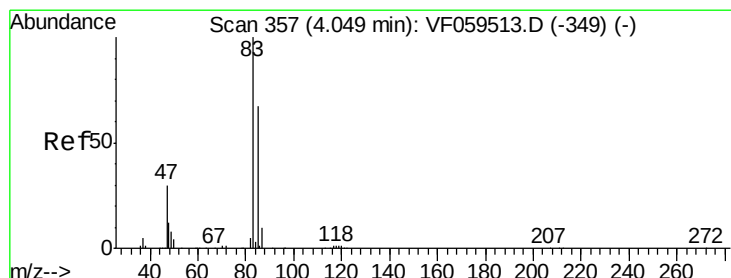
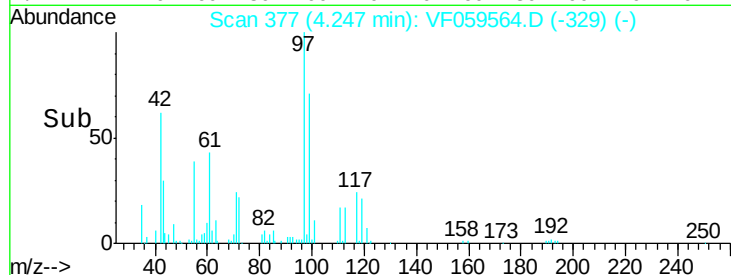
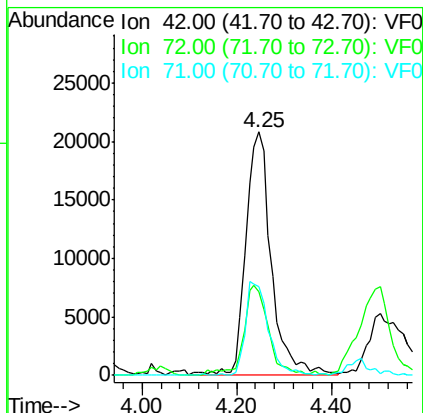
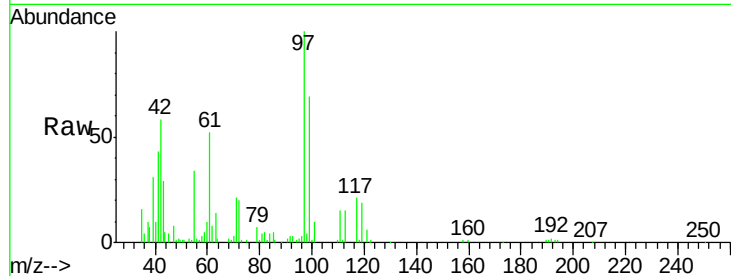
Delta R.T. -0.03 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	42	Resp:	78397
Ion	Ratio	Lower	Upper
42	100		
72	35.8	28.7	43.1
71	34.2	30.8	46.2



#30

Chloroform

Concen: 50.785 ug/l

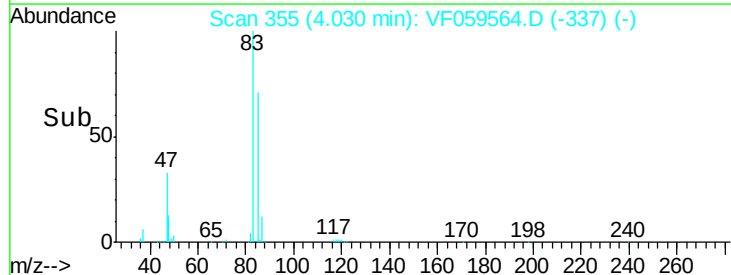
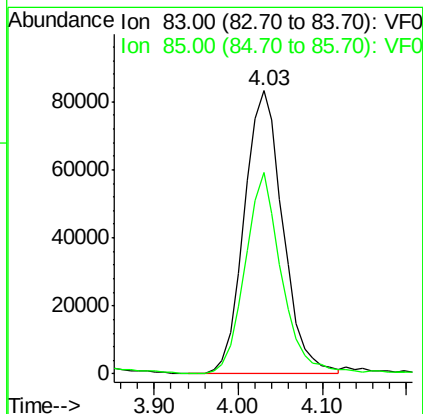
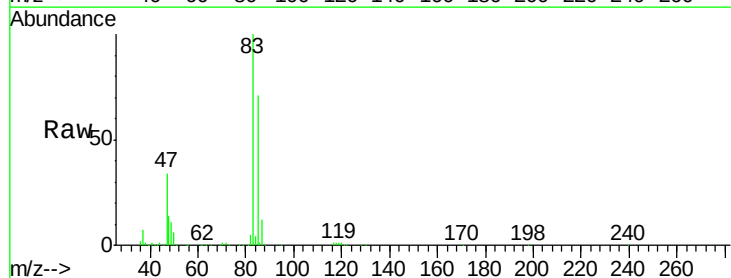
RT: 4.03 min Scan# 355

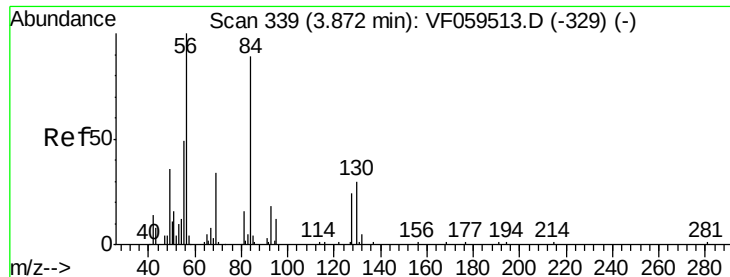
Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Tgt Ion:	83	Resp:	267852
Ion	Ratio	Lower	Upper
83	100		
85	71.0	53.2	79.8

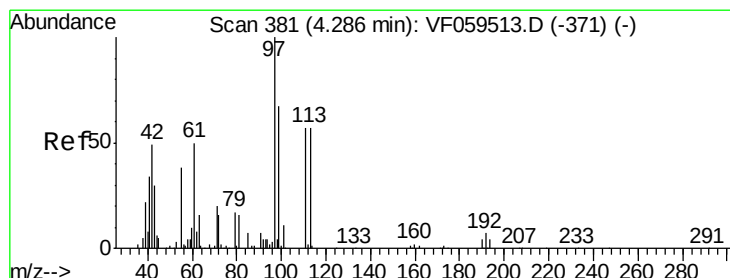
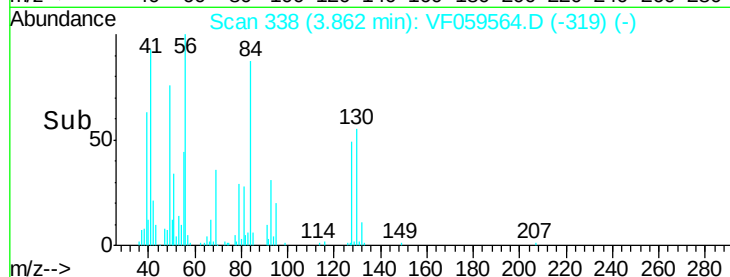
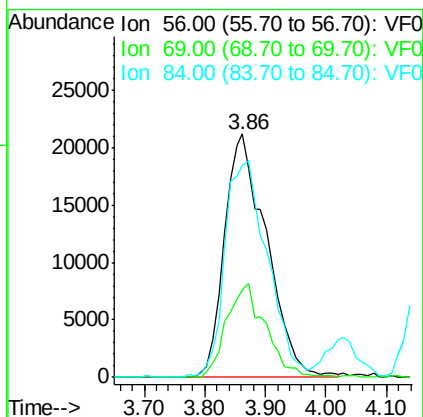
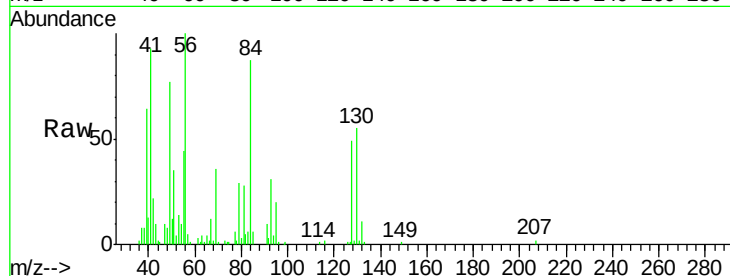




#31
Cyclohexane
Concen: 53.937 ug/l
RT: 3.86 min Scan# 338
Delta R.T. -0.01 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

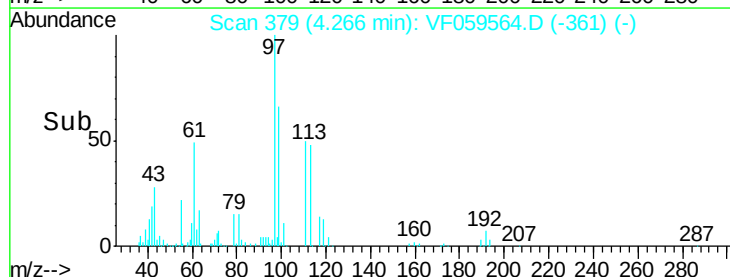
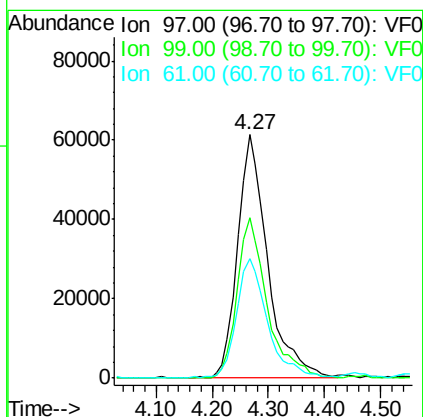
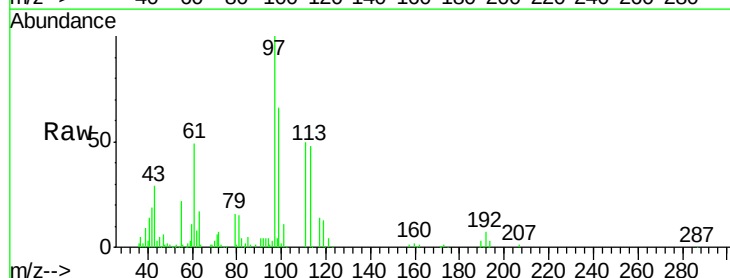
Instrument :
MSVOA_F
ClientSampleId :

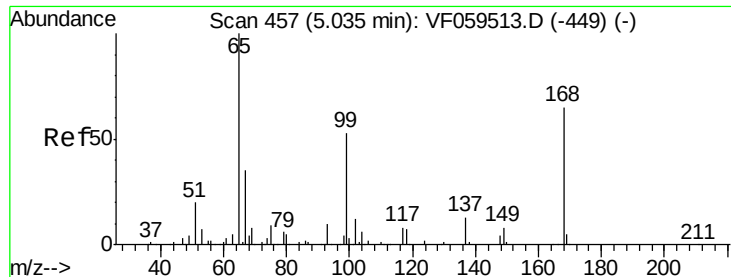
Tot Ion: 56 Resp: 102002
Ion Ratio Lower Upper
56 100
69 35.9 27.6 41.4
84 86.7 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 66.835 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.02 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Tgt Ion: 97 Resp: 229075
Ion Ratio Lower Upper
97 100
99 65.7 53.5 80.3
61 49.1 39.7 59.5

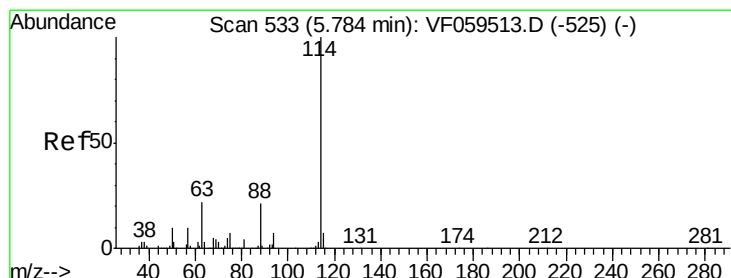
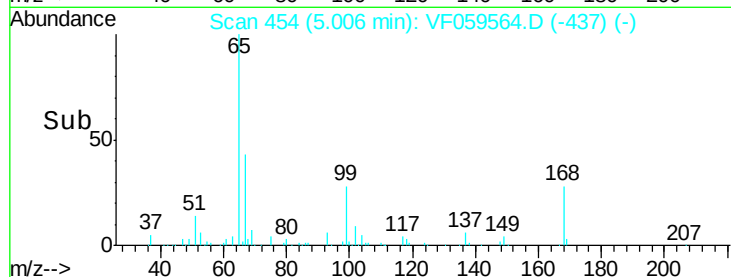
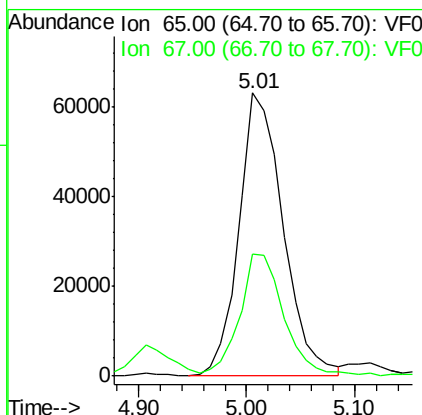
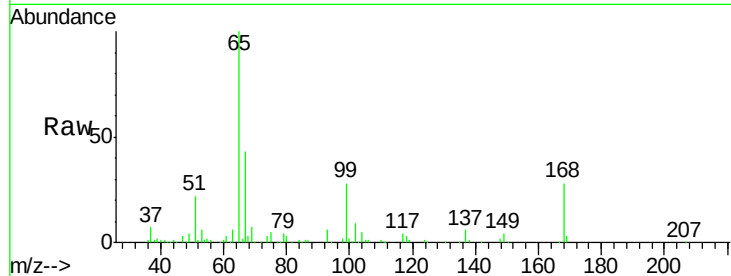




#33
 1,2-Dichloroethane-d4
 Concen: 50.963 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.03 min
 Lab File: VF059564.D
 Acq: 19 Jul 2018 19:06

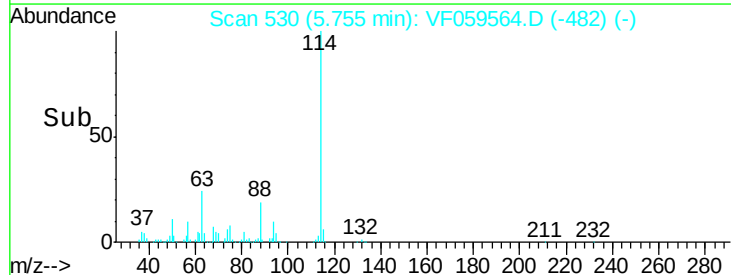
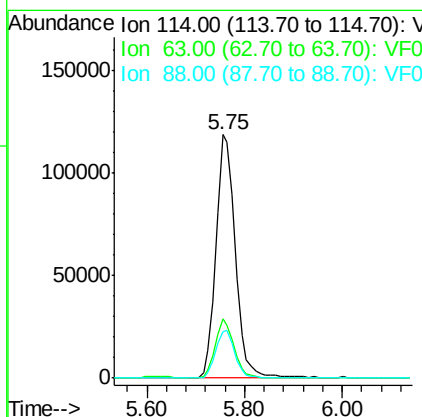
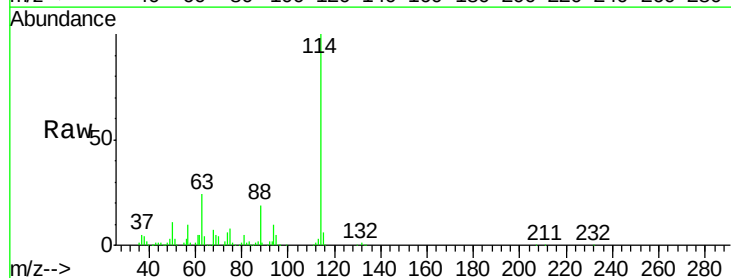
Instrument :
 MSVOA_F
 ClientSampleId :

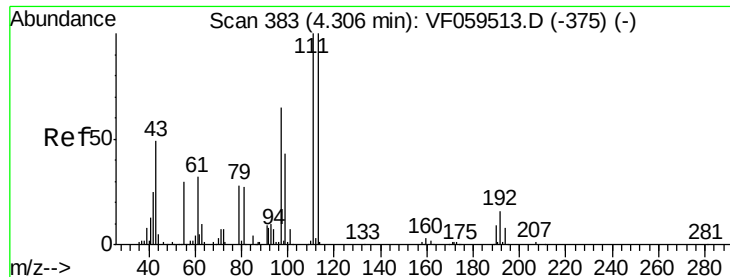
Tot Ion: 65 Resp: 178695
 Ion Ratio Lower Upper
 65 100
 67 43.3 0.0 91.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.03 min
 Lab File: VF059564.D
 Acq: 19 Jul 2018 19:06

Tgt Ion: 114 Resp: 329508
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 44.8
 88 19.3 0.0 42.6





#35

Dibromofluoromethane

Concen: 51.846 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :
MSVOA_F
ClientSampled :

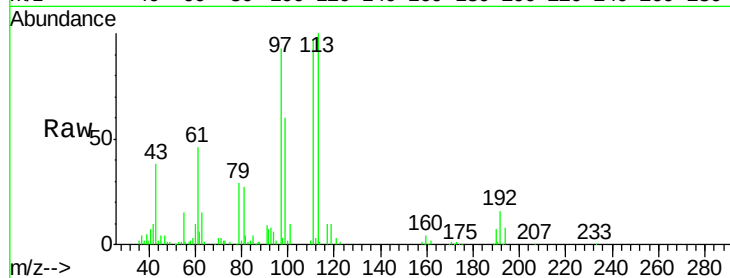
Tot Ion:113 Resp: 147959

Ion Ratio Lower Upper

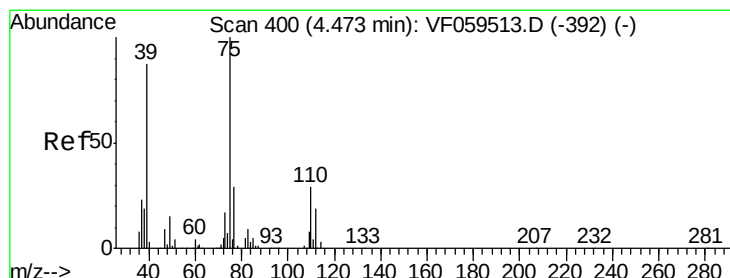
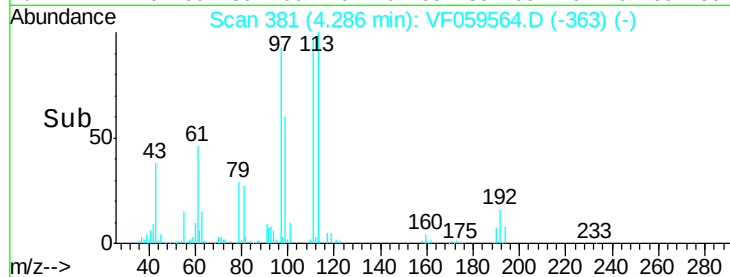
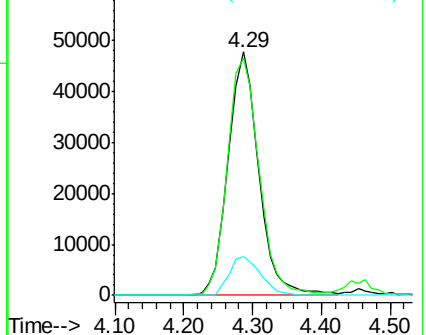
113 100

111 97.3 80.3 120.5

192 16.2 13.1 19.7



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: 50.053 ug/l

RT: 4.45 min Scan# 398

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

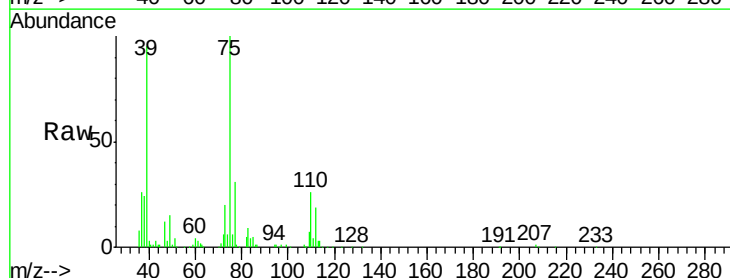
Tgt Ion: 75 Resp: 165080

Ion Ratio Lower Upper

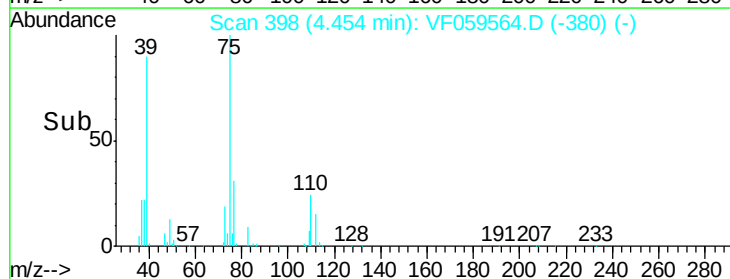
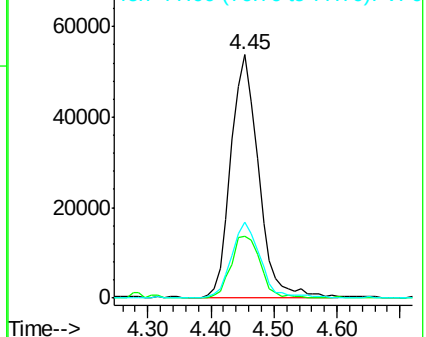
75 100

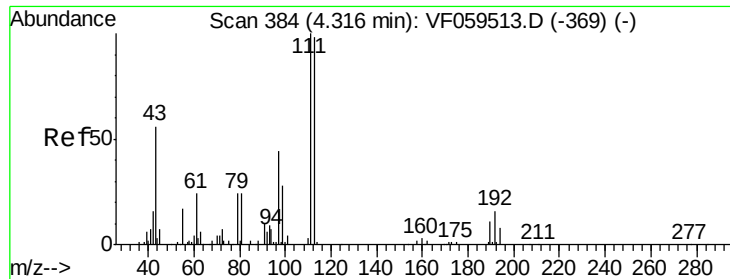
110 25.6 14.6 43.8

77 31.3 23.7 35.5



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

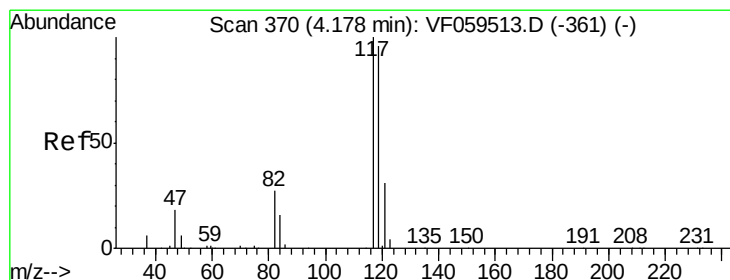
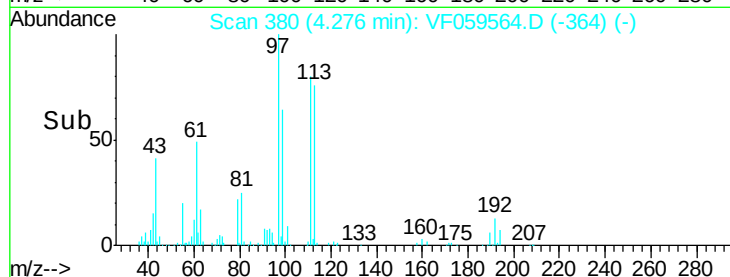
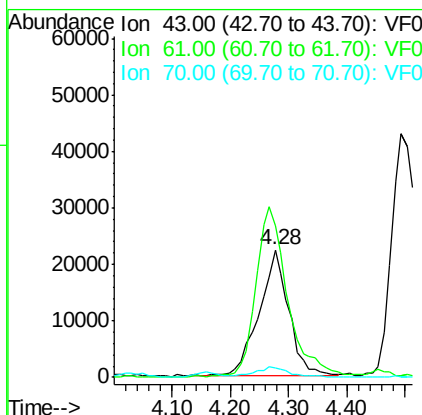
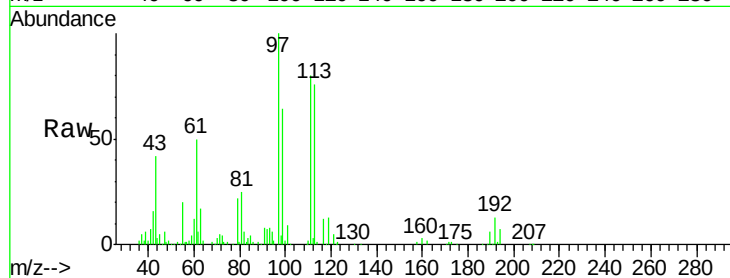




#37
Ethyl Acetate
Concen: 43.510 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.04 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

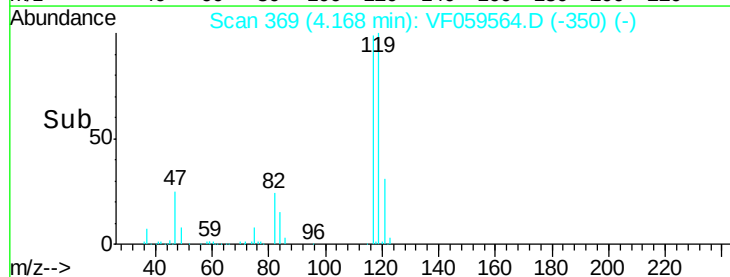
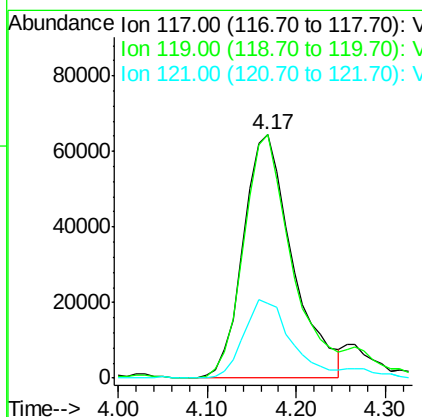
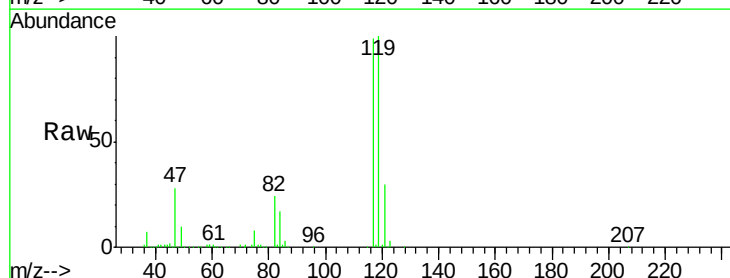
Instrument :
MSVOA_F
ClientSampled :

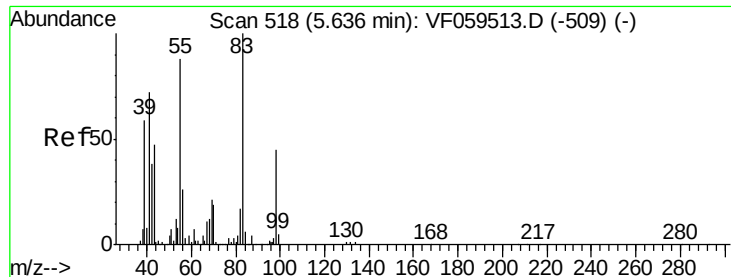
Tot Ion: 43 Resp: 78618
Ion Ratio Lower Upper
43 100
61 118.8 33.7 50.5#
70 7.0 7.4 11.0#



#38
Carbon Tetrachloride
Concen: 65.455 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.01 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Tgt Ion: 117 Resp: 247394
Ion Ratio Lower Upper
117 100
119 99.9 77.6 116.4
121 30.4 24.9 37.3

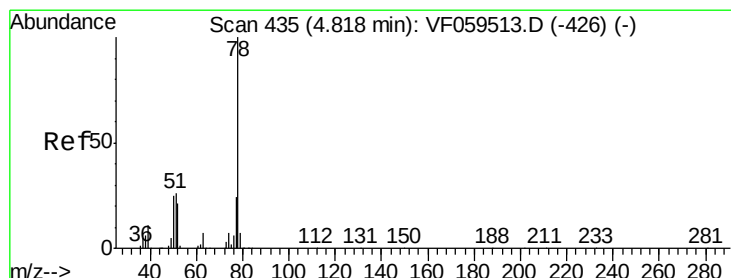
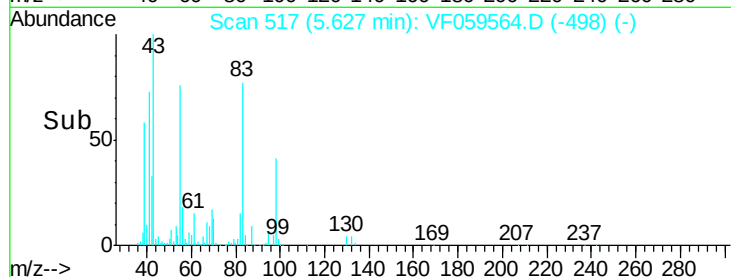
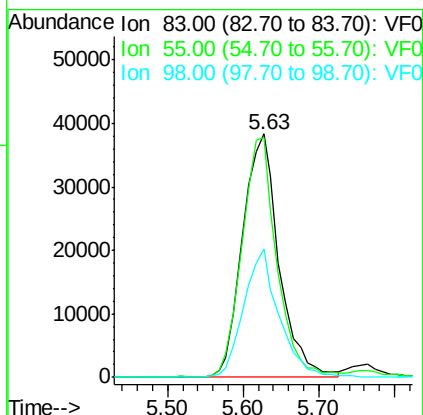
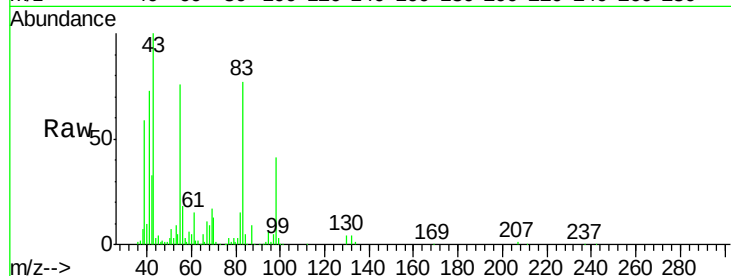




#39
Methylvlcyclohexane
Concen: 51.499 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

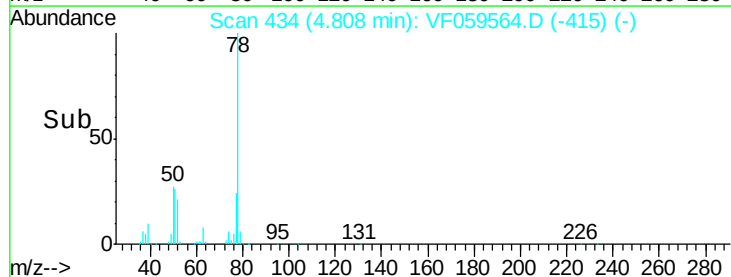
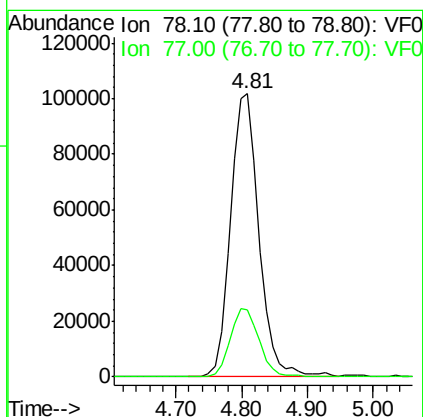
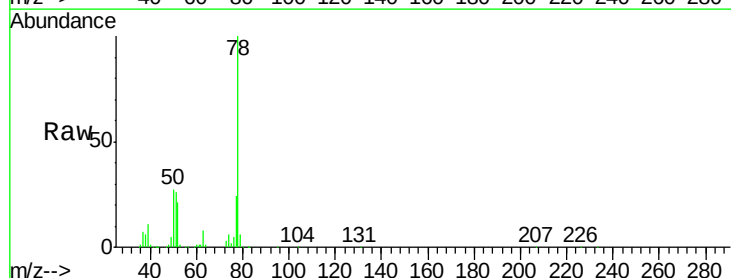
Instrument :
MSVOA_F
ClientSampleId :

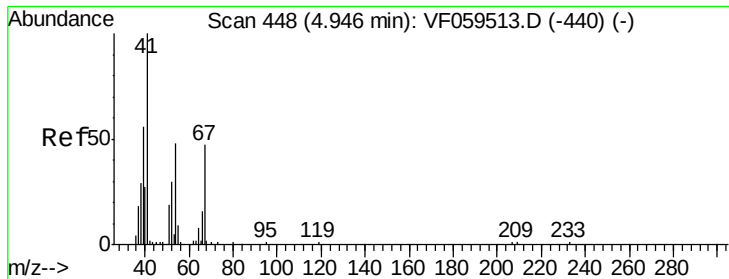
Tot Ion	83.00	Resp:	128903
Ion	Ratio	Lower	Upper
83	100		
55	98.3	70.2	105.4
98	52.8	36.2	54.2



#40
Benzene
Concen: 48.276 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Tgt Ion	78	Resp:	308894
Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.4	29.0





#41

Methacrylonitrile

Concen: 42.454 ug/l

RT: 4.91 min Scan# 444

Delta R.T. -0.04 min

Lab File: VF059564.D

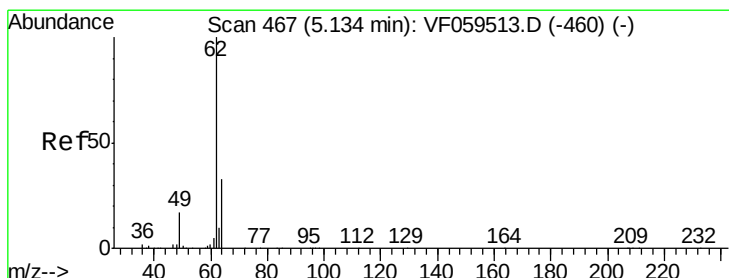
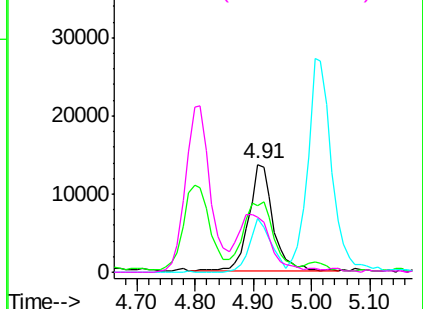
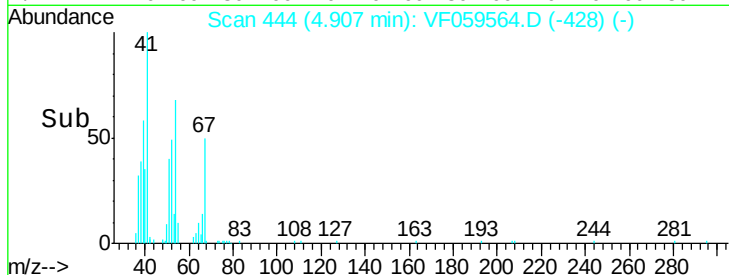
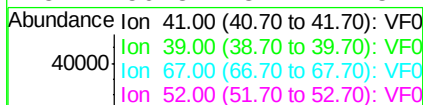
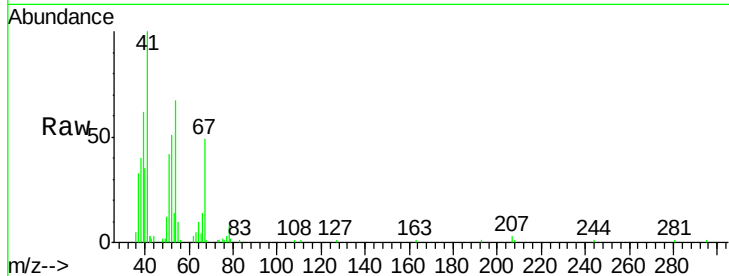
Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

ClientSampled :

Tot Ion:	41	Resp:	40154
Ion	Ratio	Lower	Upper
41	100		
39	61.6	49.4	74.0
67	49.4	37.4	56.2
52	50.8	32.1	48.1#



#42

1,2-Dichloroethane

Concen: 50.607 ug/l

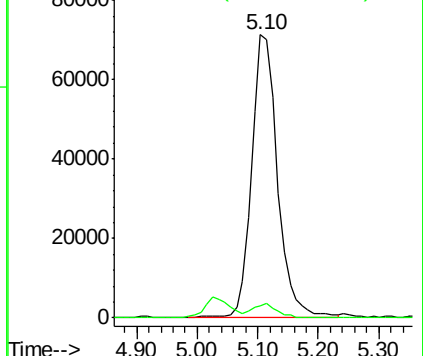
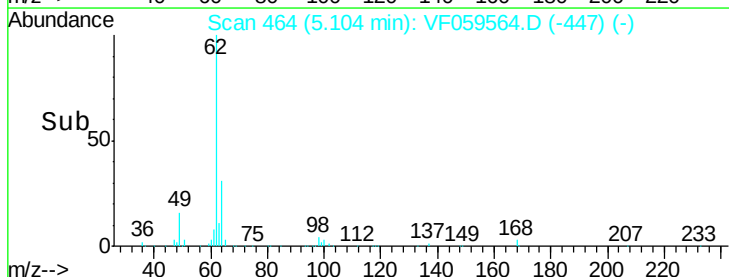
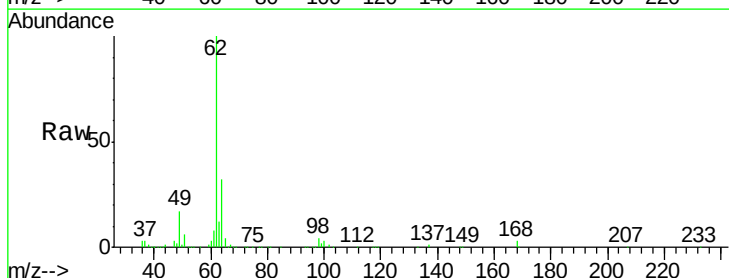
RT: 5.10 min Scan# 464

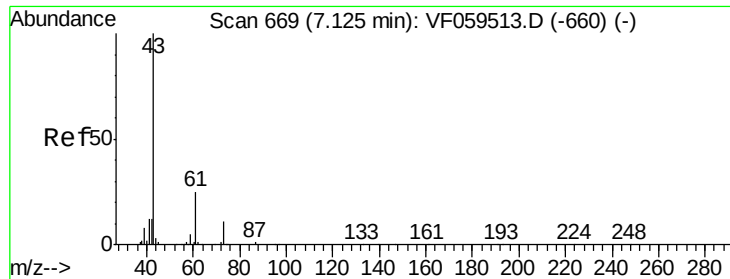
Delta R.T. -0.03 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Tgt Ion:	62	Resp:	212694
Ion	Ratio	Lower	Upper
62	100		
98	4.5	0.0	9.6





#43

Isopropyl Acetate

Concen: 42.461 ug/l

RT: 7.11 min Scan# 667

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

ClientSampleId :

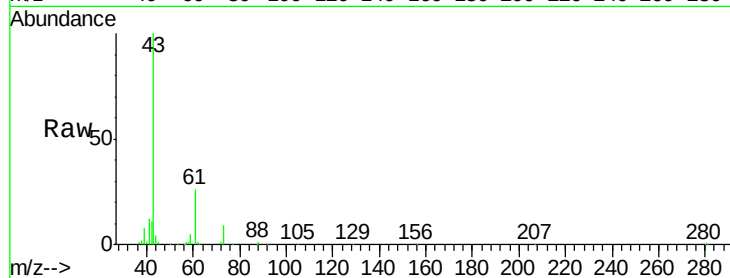
Tot Ion: 43 Resp: 100631

Ion Ratio Lower Upper

43 100

61 25.7 20.3 30.5

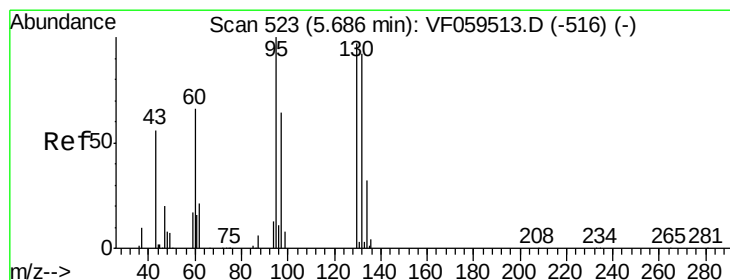
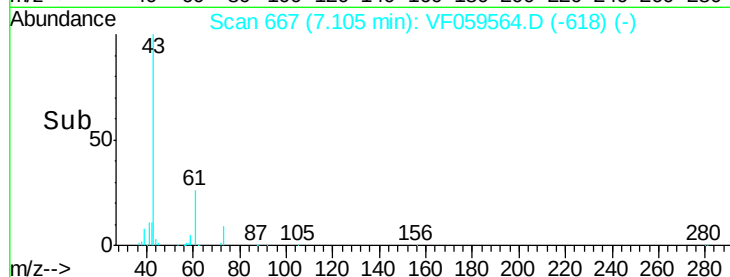
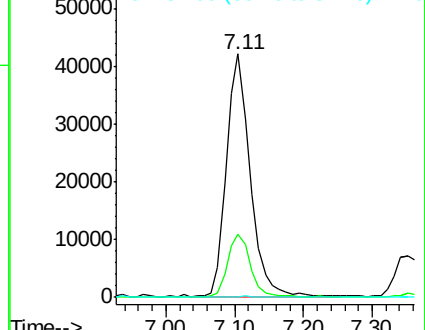
87 0.4 0.4 0.6#



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: 48.693 ug/l

RT: 5.67 min Scan# 521

Delta R.T. -0.02 min

Lab File: VF059564.D

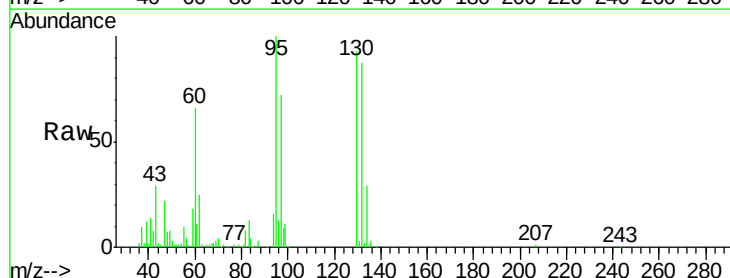
Acq: 19 Jul 2018 19:06

Tgt Ion:130 Resp: 115327

Ion Ratio Lower Upper

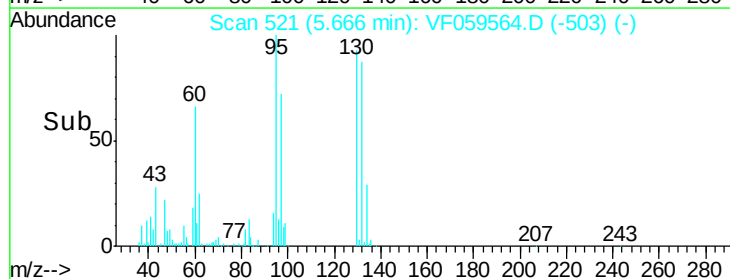
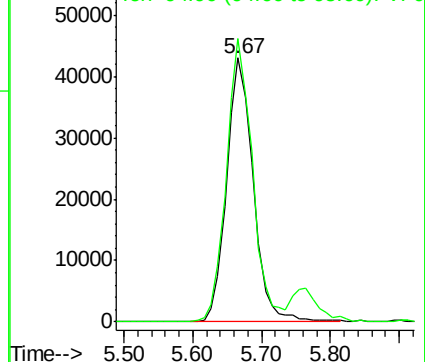
130 100

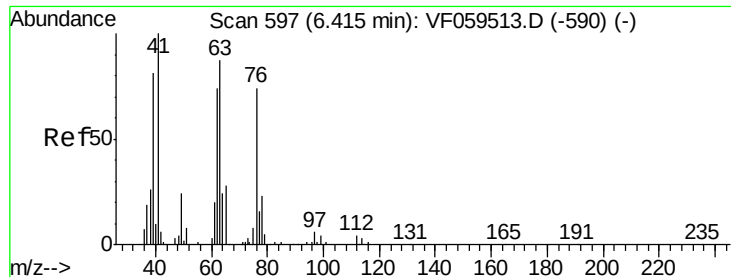
95 107.3 0.0 206.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 48.759 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

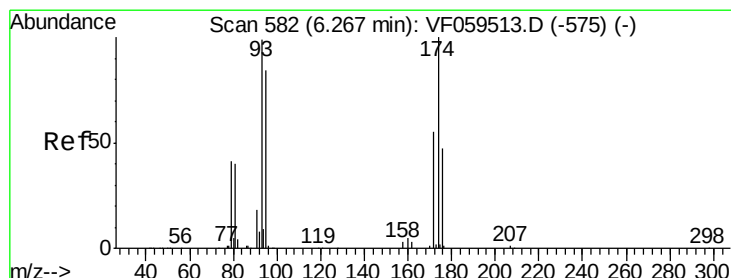
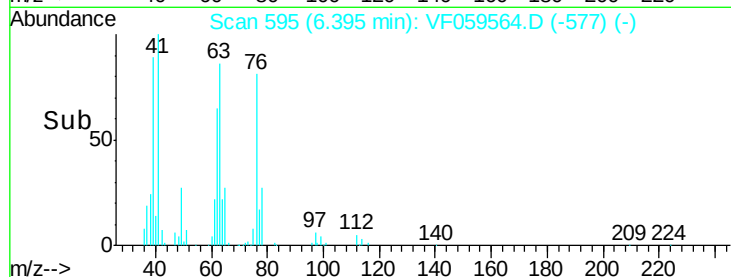
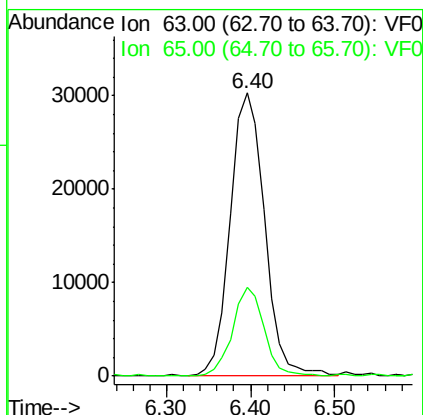
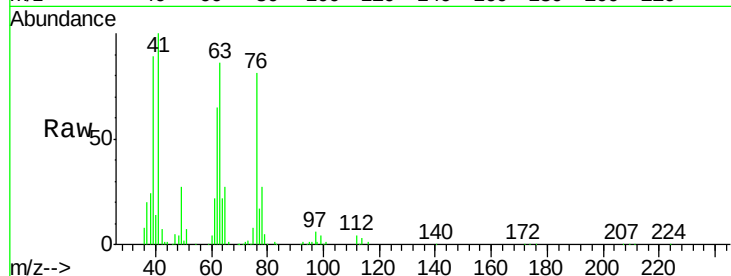
ClientSampleId :

Tot Ion: 63 Resp: 86593

Ion Ratio Lower Upper

63 100

65 31.2 26.1 39.1



#46

Dibromomethane

Concen: 49.168 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

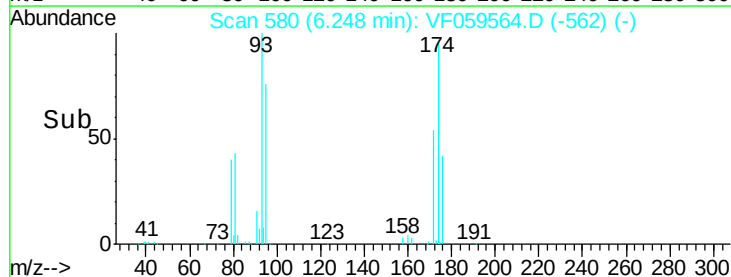
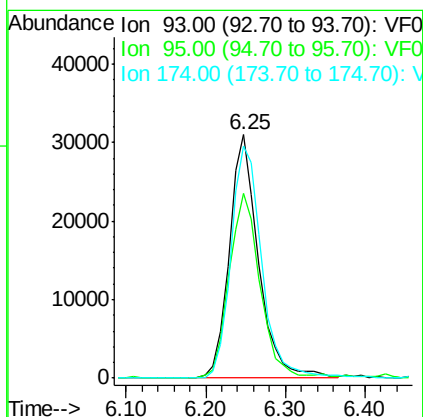
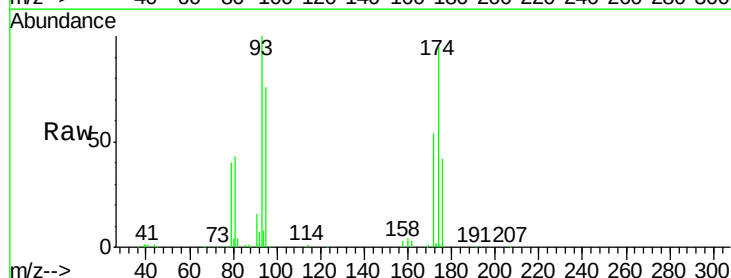
Tgt Ion: 93 Resp: 79522

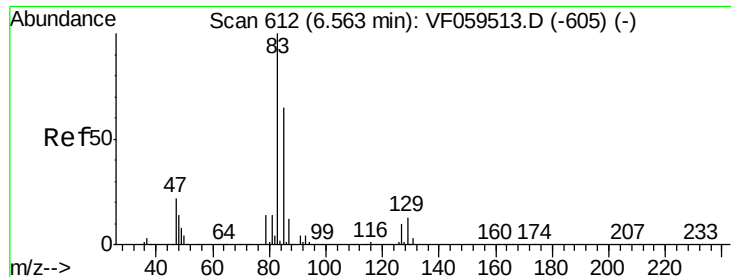
Ion Ratio Lower Upper

93 100

95 76.0 68.3 102.5

174 95.4 81.2 121.8





#47

Bromodichloromethane

Concen: 50.280 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

ClientSampleId :

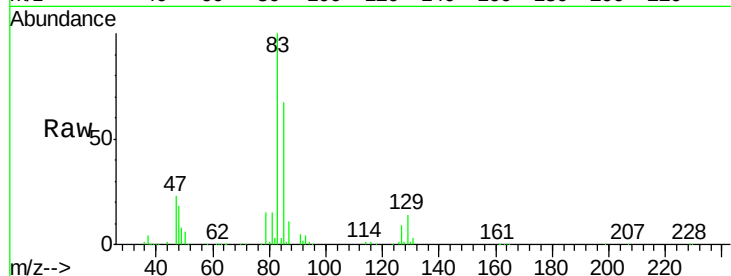
Tot Ion: 83 Resp: 209324

Ion Ratio Lower Upper

83 100

85 67.4 52.4 78.6

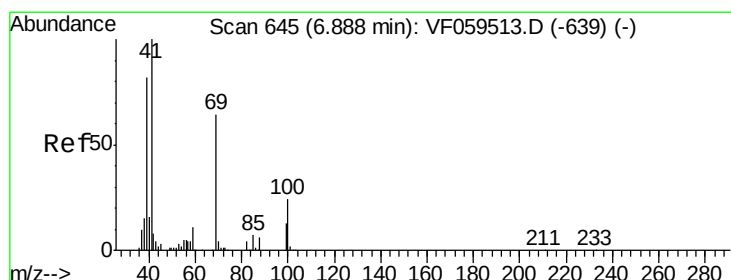
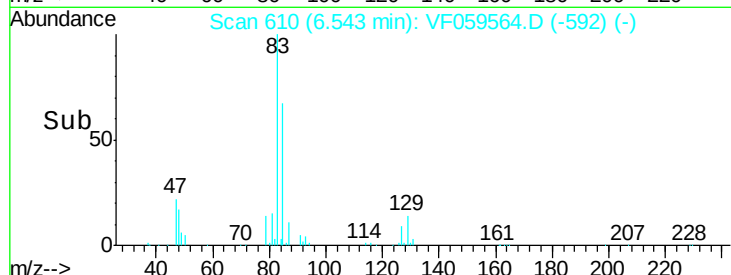
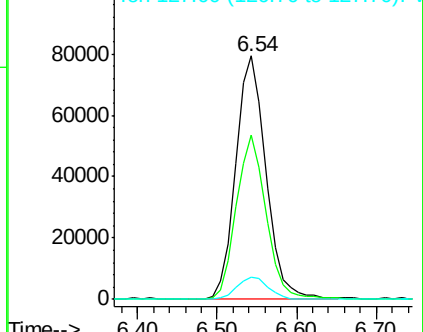
127 9.2 8.2 12.4



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: 43.228 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

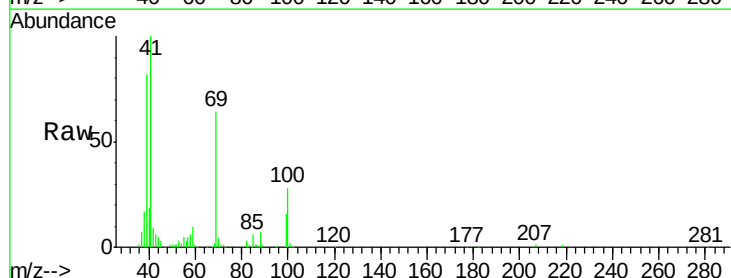
Tgt Ion: 41 Resp: 73168

Ion Ratio Lower Upper

41 100

69 64.4 51.3 76.9

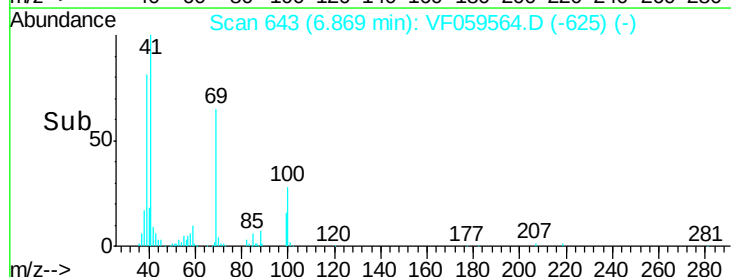
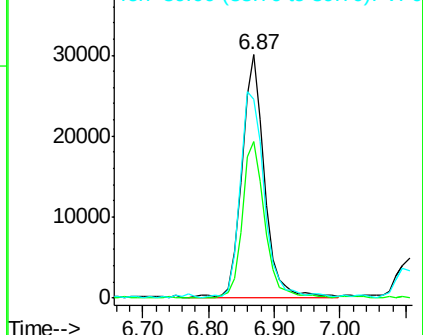
39 81.7 65.3 97.9

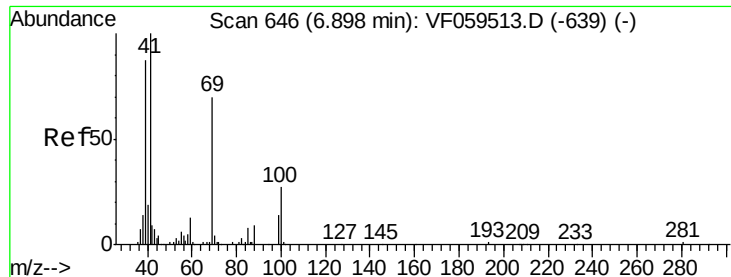


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1312.896 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.04 min

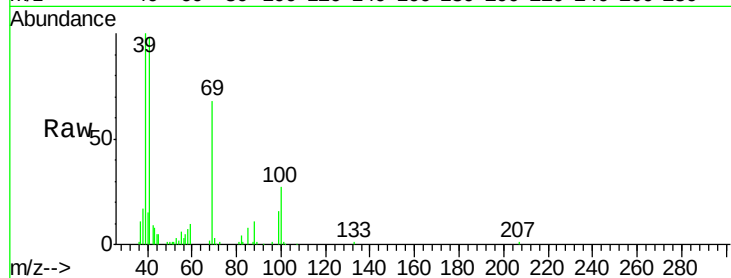
Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 9730

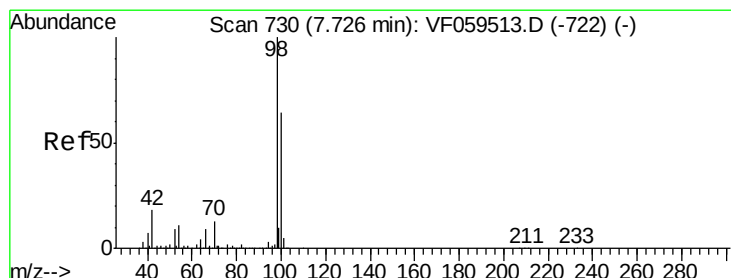
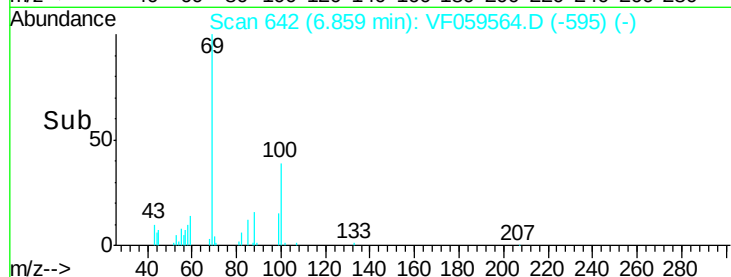
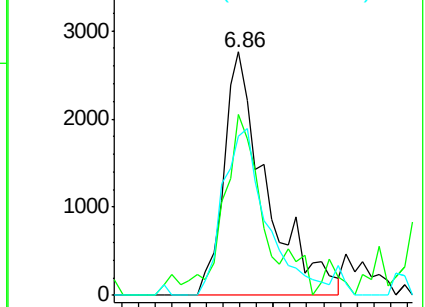
Ion	Ratio	Lower	Upper
88	100		
43	74.2	64.8	97.2
58	65.4	44.1	66.1



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: 48.171 ug/l

RT: 7.71 min Scan# 728

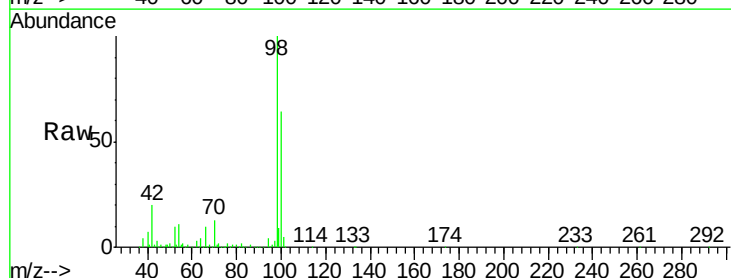
Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

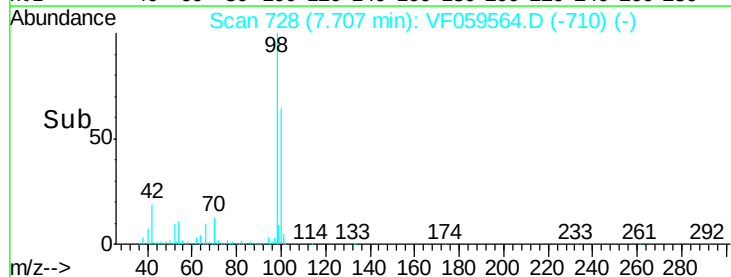
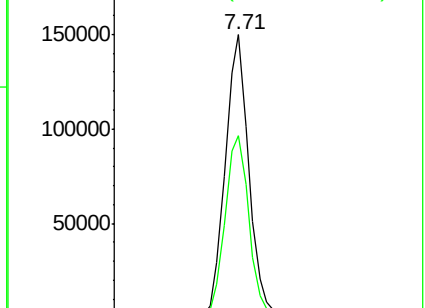
Tgt Ion: 98 Resp: 346283

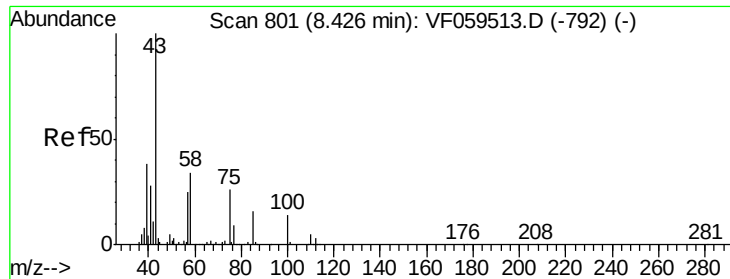
Ion	Ratio	Lower	Upper
98	100		
100	64.4	50.9	76.3



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: 222.665 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.03 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

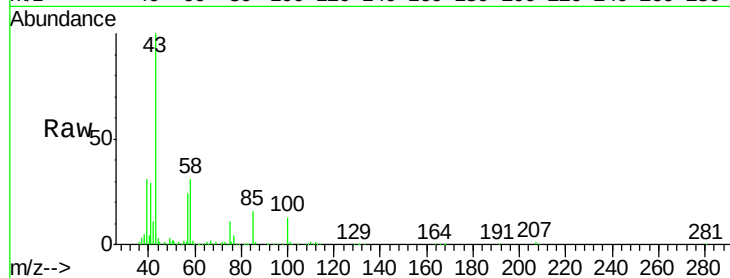
ClientSampleId :

Tot Ion: 43 Resp: 374066

Ion Ratio Lower Upper

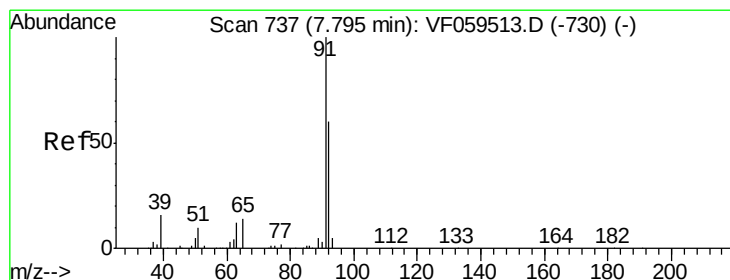
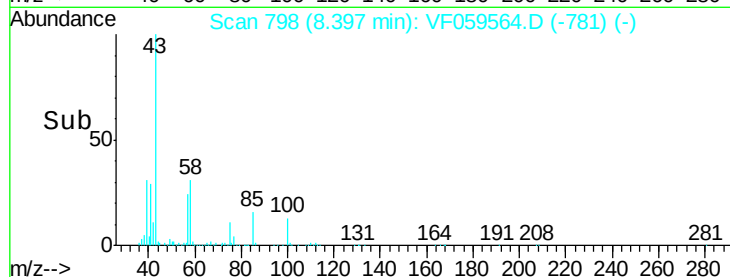
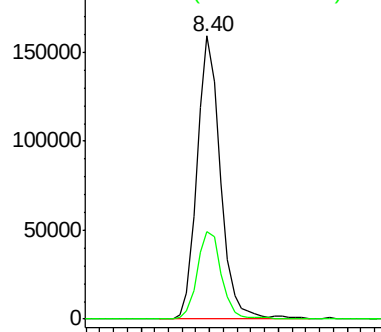
43 100

58 31.0 27.4 41.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 49.124 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.02 min

Lab File: VF059564.D

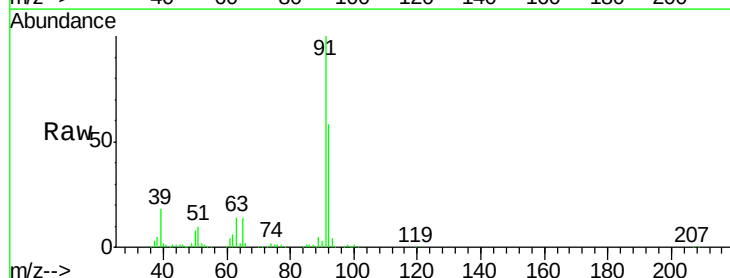
Acq: 19 Jul 2018 19:06

Tgt Ion: 92 Resp: 227959

Ion Ratio Lower Upper

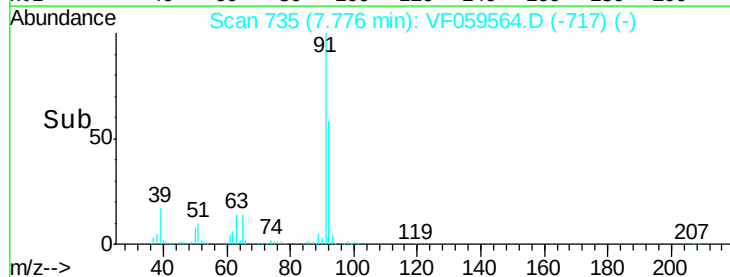
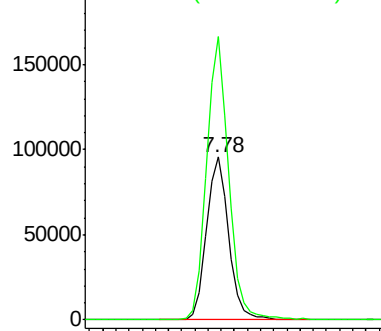
92 100

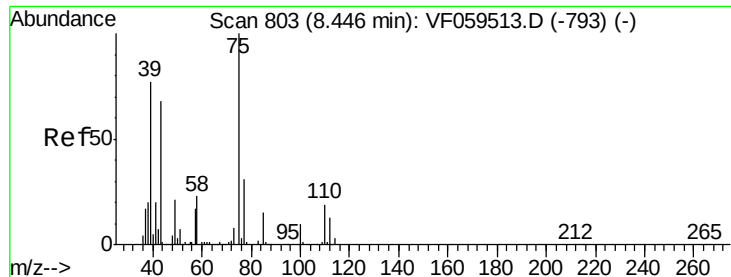
91 173.7 134.2 201.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 48.866 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

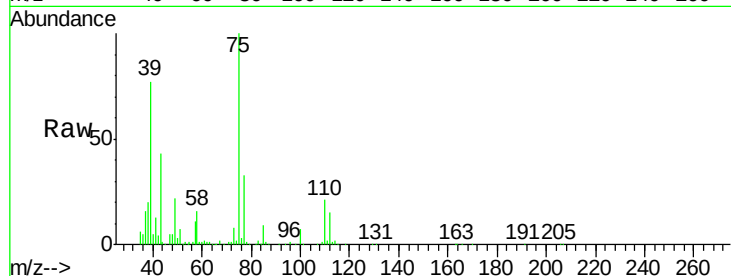
ClientSampleId :

Tot Ion: 75 Resp: 187131

Ion Ratio Lower Upper

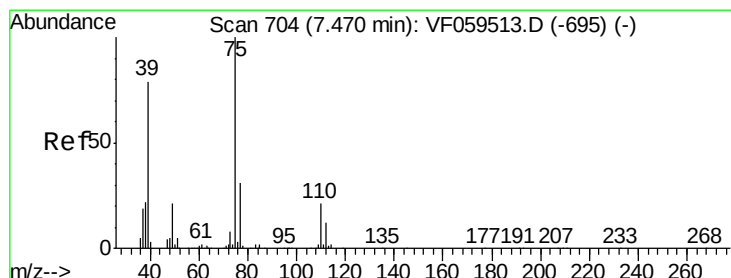
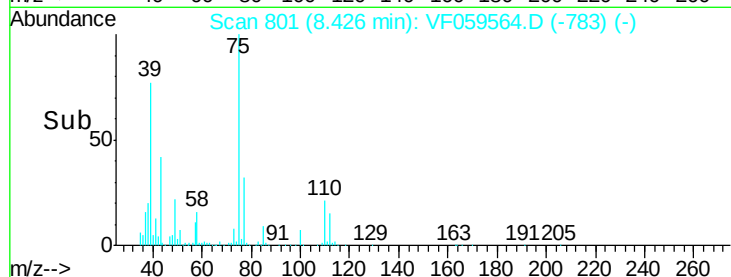
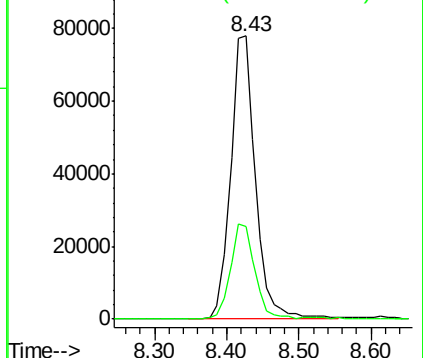
75 100

77 32.7 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 47.863 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

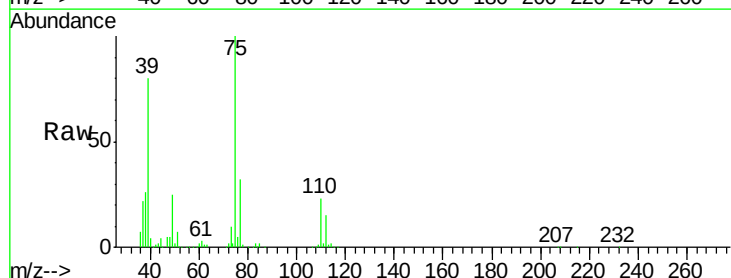
Tgt Ion: 75 Resp: 182501

Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.6

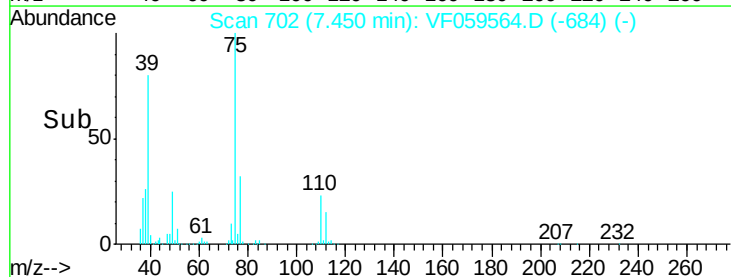
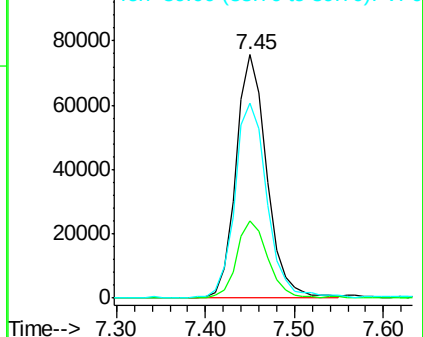
39 80.0 63.8 95.6

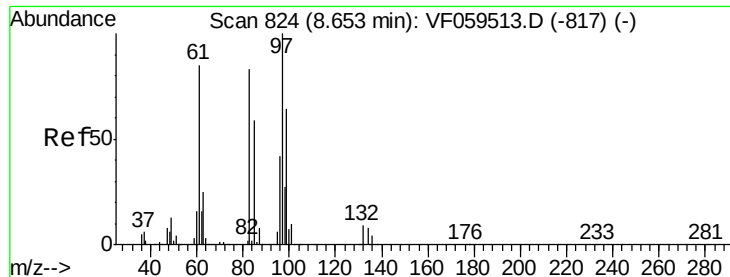


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 52.204 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 93863

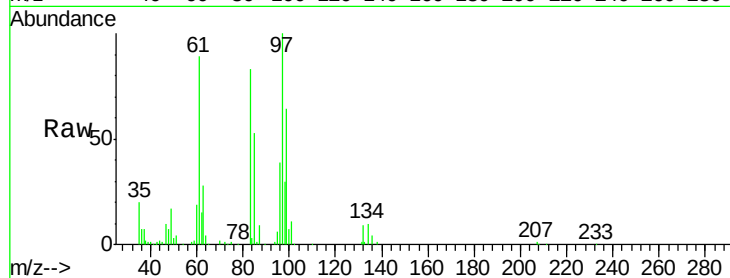
Ion Ratio Lower Upper

97 100

83 83.2 66.9 100.3

85 53.3 46.9 70.3

99 63.6 51.5 77.3

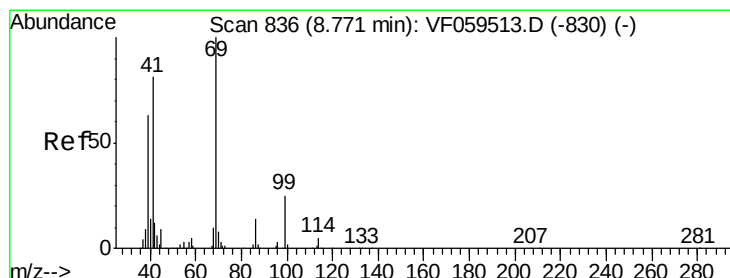
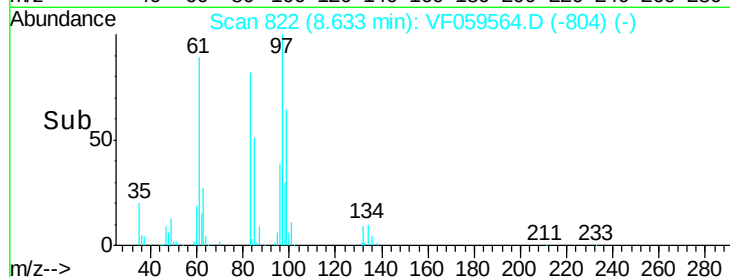
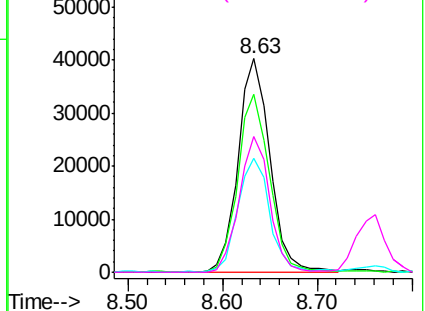


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 45.712 ug/l

RT: 8.75 min Scan# 834

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

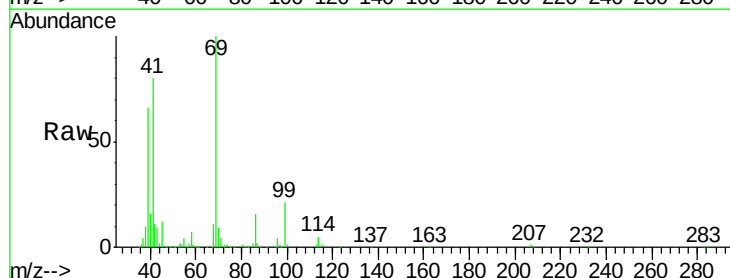
Tgt Ion: 69 Resp: 101928

Ion Ratio Lower Upper

69 100

41 79.7 65.4 98.2

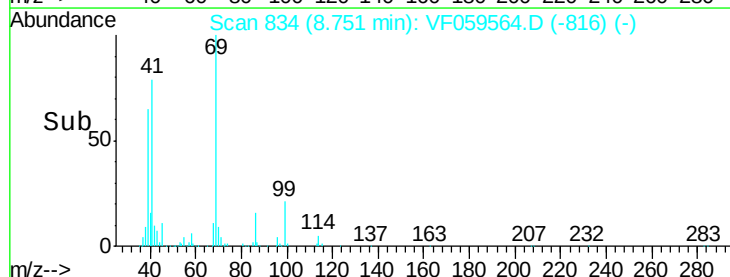
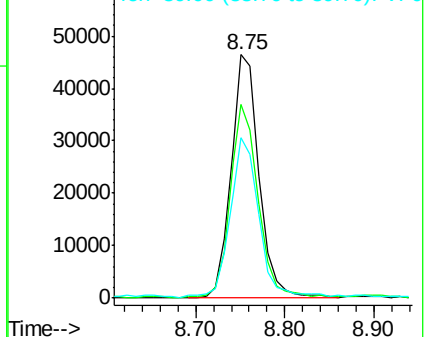
39 65.8 51.0 76.4

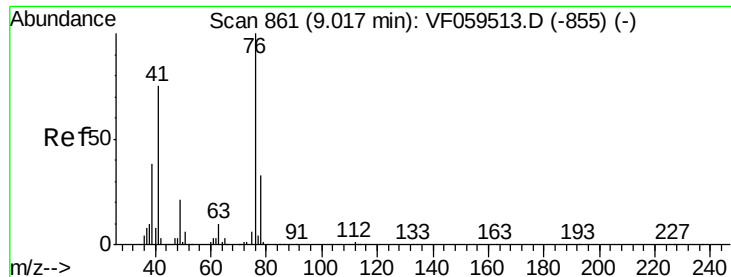


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 47.848 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

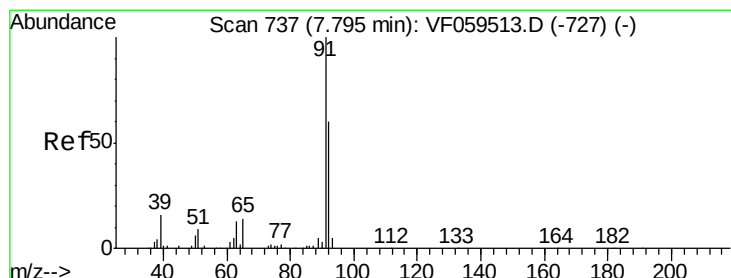
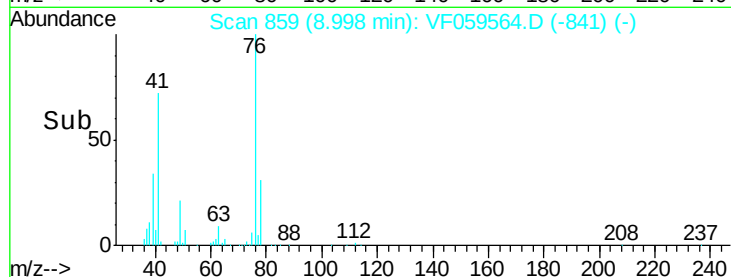
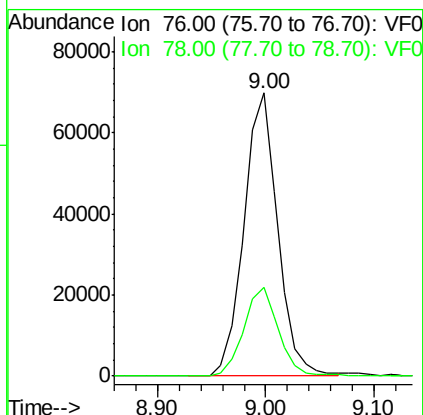
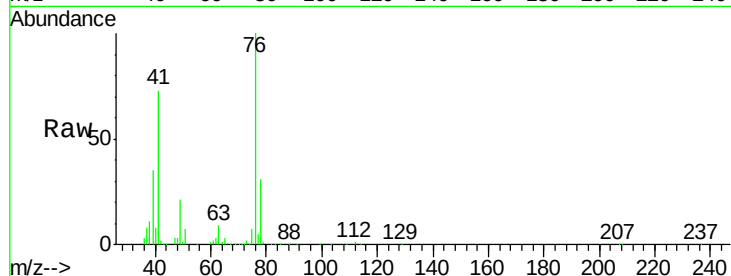
ClientSampleId :

Tot Ion: 76 Resp: 152125

Ion Ratio Lower Upper

76 100

78 31.4 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 267.207 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.02 min

Lab File: VF059564.D

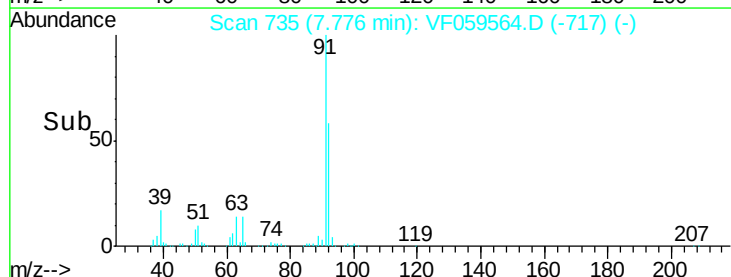
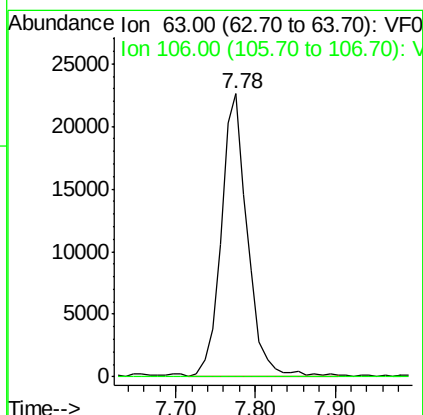
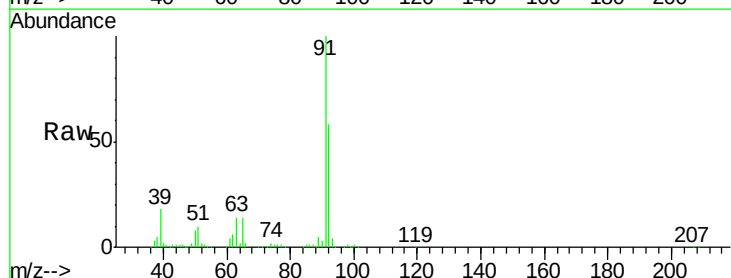
Acq: 19 Jul 2018 19:06

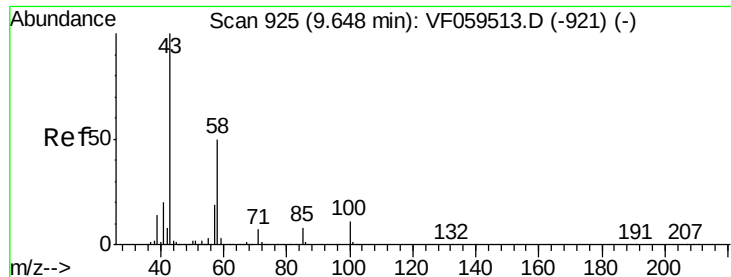
Tgt Ion: 63 Resp: 52602

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

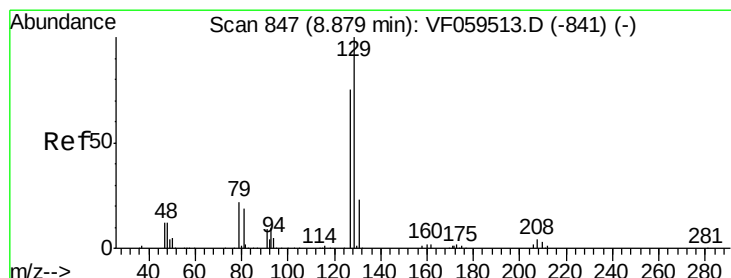
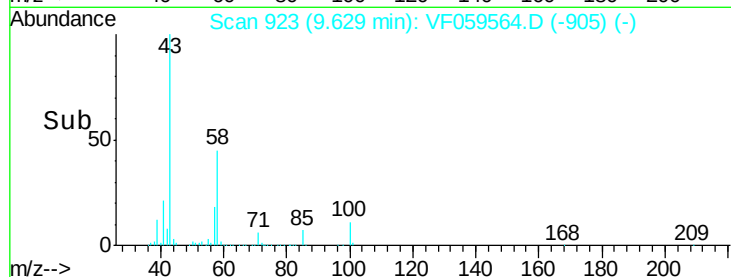
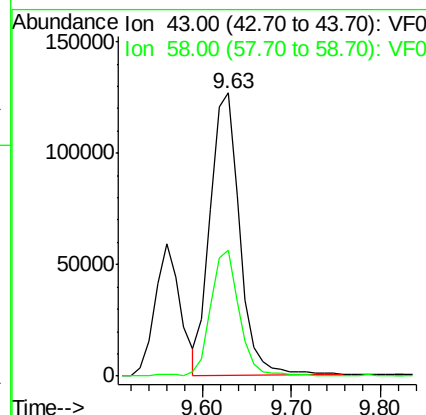
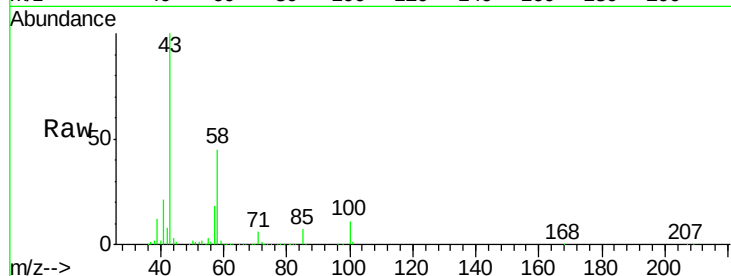




#59
2-Hexanone
Concen: 227.211 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.02 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

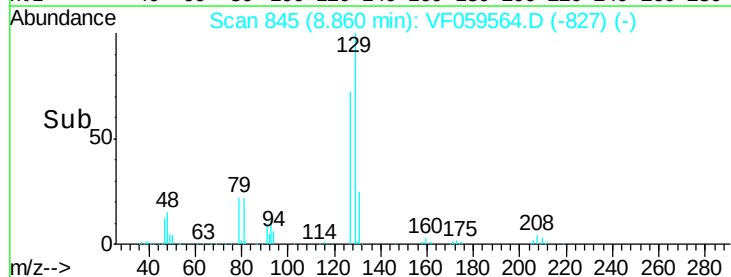
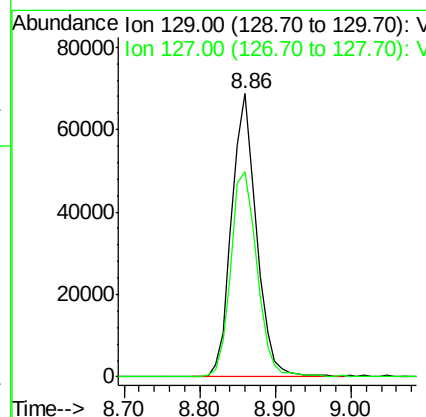
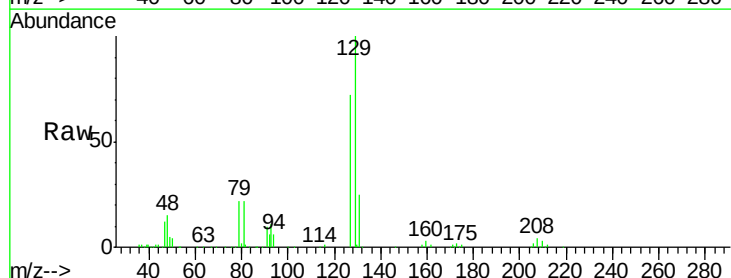
Instrument :
MSVOA_F
ClientSampleId :

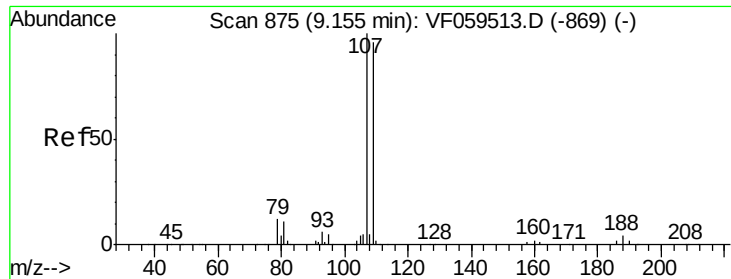
Tot Ion: 43 Resp: 288477
Ion Ratio Lower Upper
43 100
58 44.6 23.3 69.9



#60
Dibromochloromethane
Concen: 51.644 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.02 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Tgt Ion: 129 Resp: 156492
Ion Ratio Lower Upper
129 100
127 72.4 37.6 112.8





#61

1,2-Dibromoethane

Concen: 49.639 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.03 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

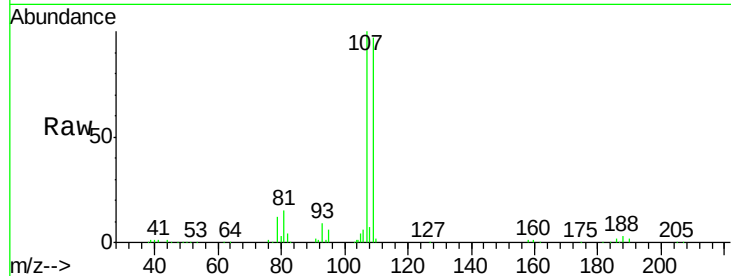
ClientSampled :

Tot Ion:107 Resp: 110745

Ion Ratio Lower Upper

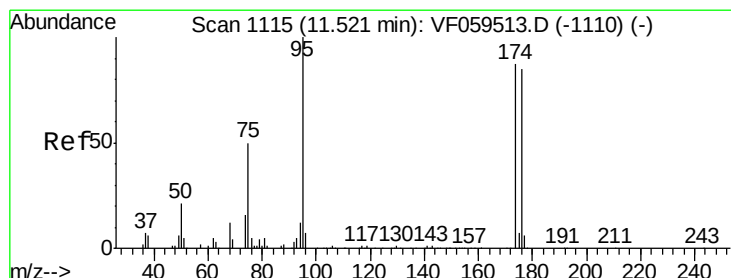
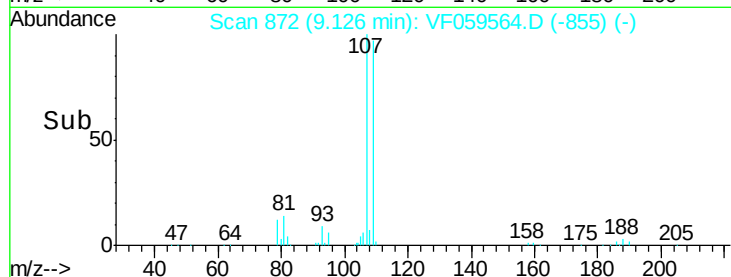
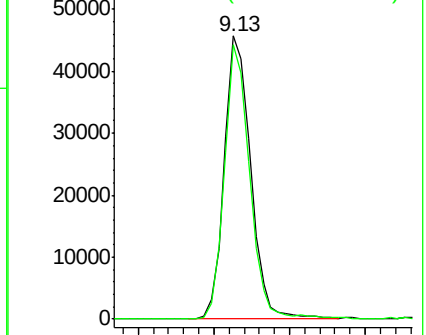
107 100

109 97.0 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 53.560 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

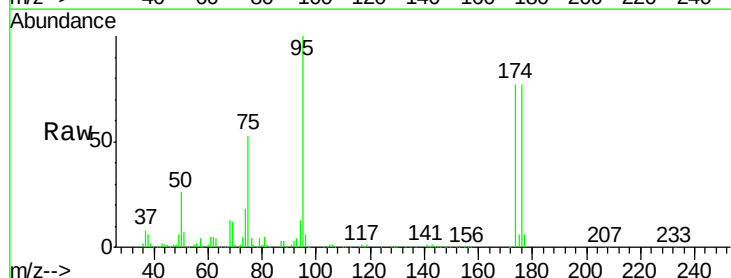
Tgt Ion: 95 Resp: 201978

Ion Ratio Lower Upper

95 100

174 76.9 0.0 174.4

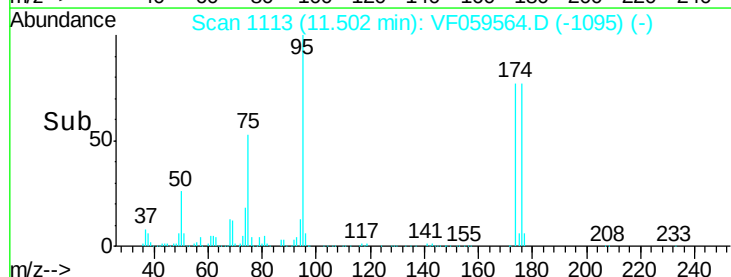
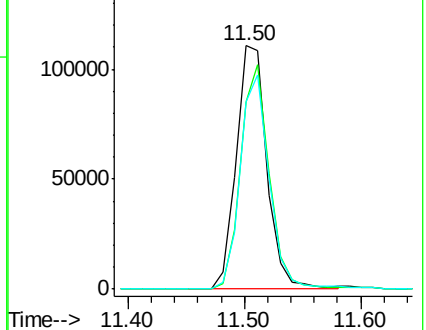
176 76.8 0.0 169.4

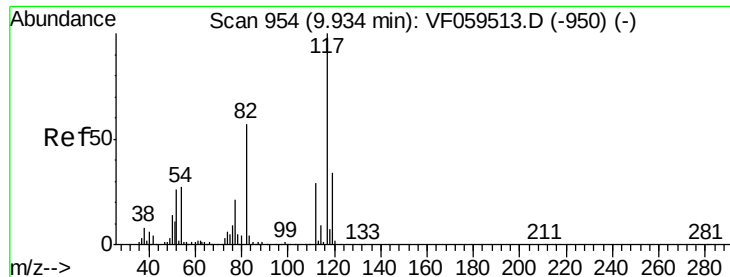


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

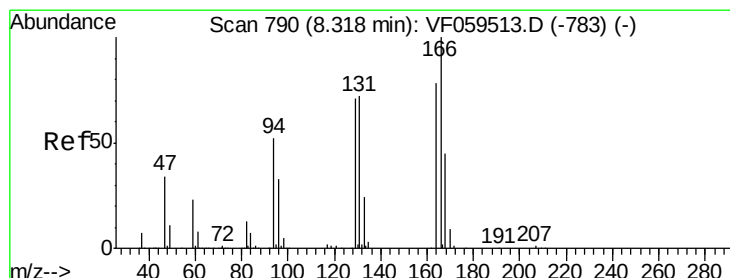
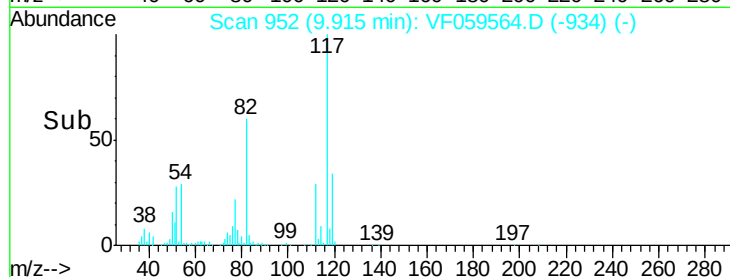
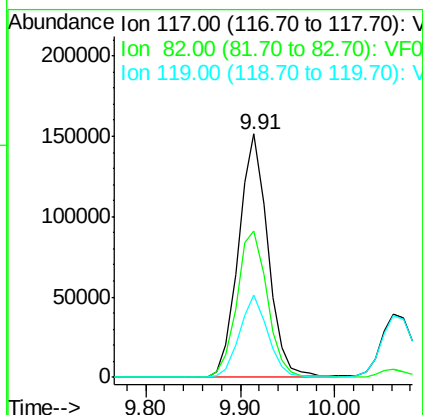
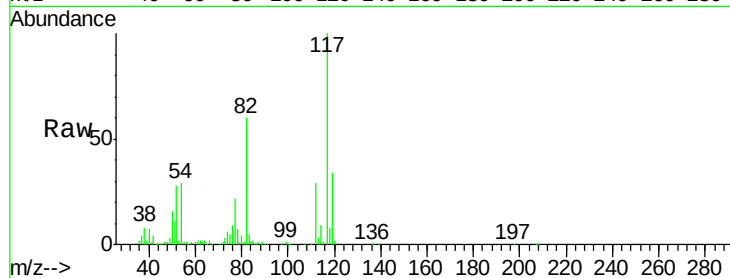




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

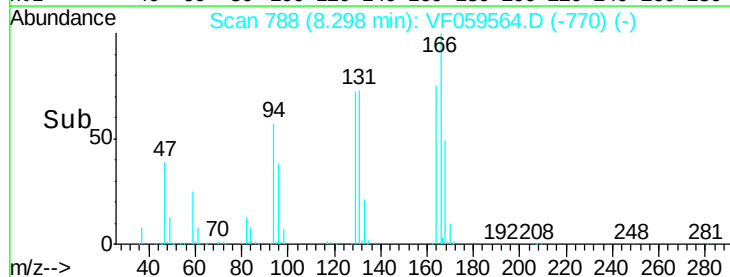
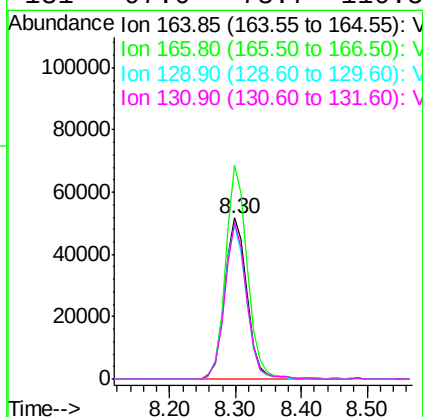
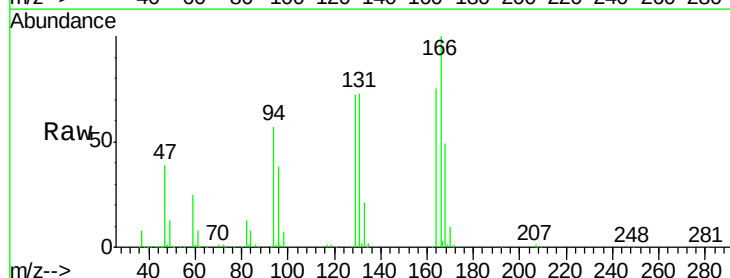
Instrument :
MSVOA_F
ClientSampleId :

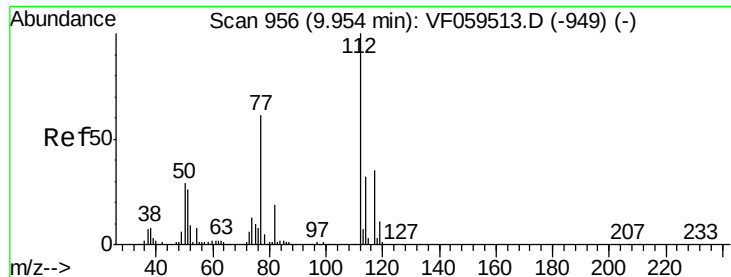
Tot Ion	Ratio	Lower	Upper
117	100		
82	60.1	46.1	69.1
119	33.6	27.2	40.8



#64
Tetrachloroethene
Concen: 50.765 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.02 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.5	102.3	153.5
129	95.2	72.4	108.6
131	97.0	73.7	110.5

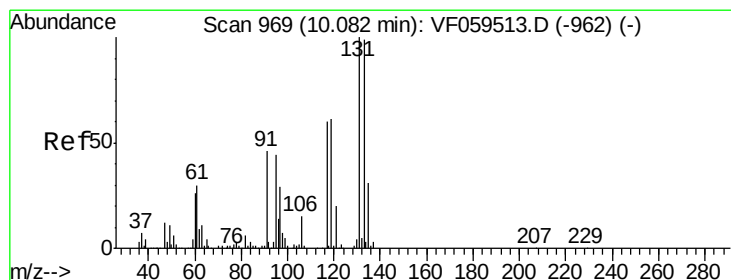
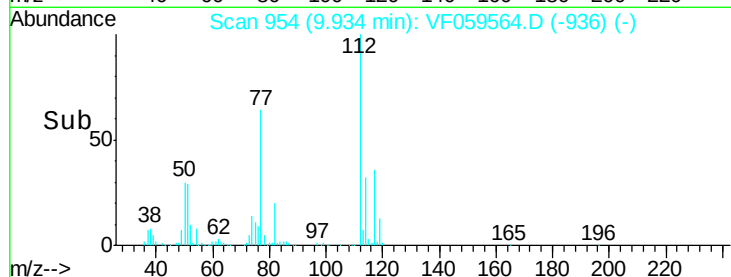
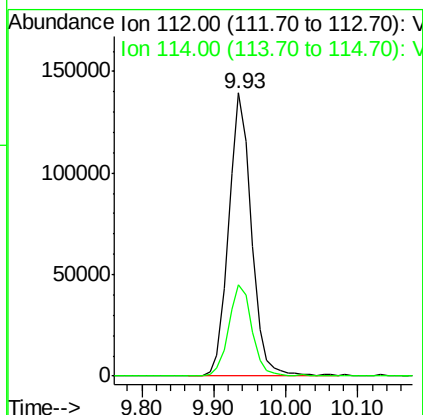
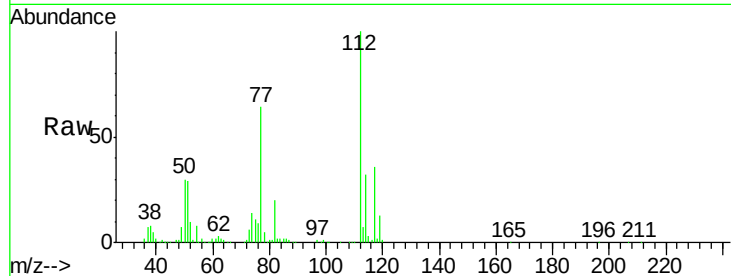




#65
Chlorobenzene
Concen: 50.174 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.02 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

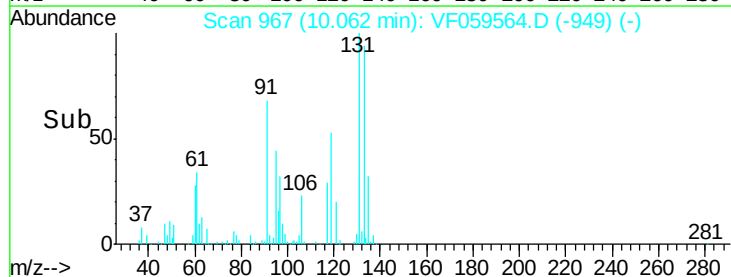
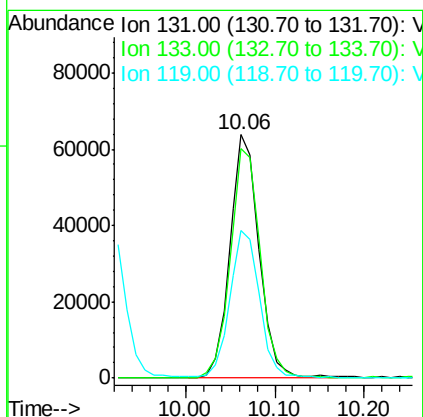
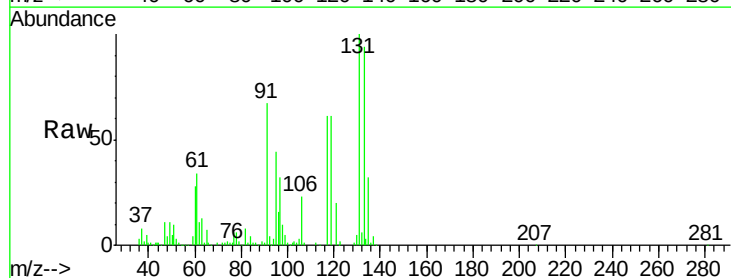
Instrument :
MSVOA_F
ClientSampleId :

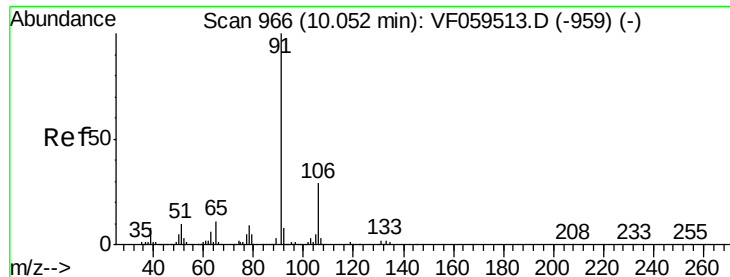
Tot Ion:112 Resp: 307335
Ion Ratio Lower Upper
112 100
114 32.4 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 52.554 ug/l
RT: 10.06 min Scan# 967
Delta R.T. -0.02 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Tgt Ion:131 Resp: 146629
Ion Ratio Lower Upper
131 100
133 94.1 49.6 148.8
119 60.8 31.4 94.3





#67

Ethyl Benzene

Concen: 51.912 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

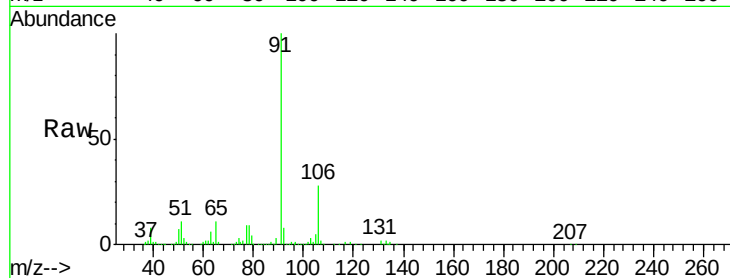
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 566012

Ion Ratio Lower Upper

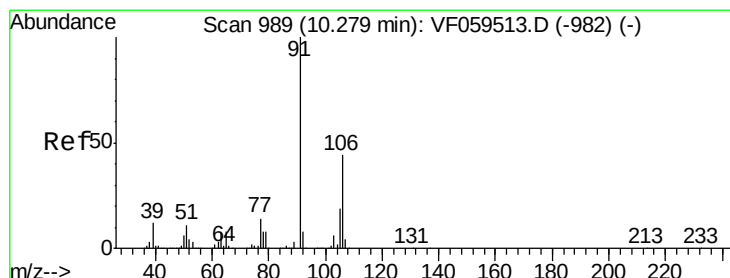
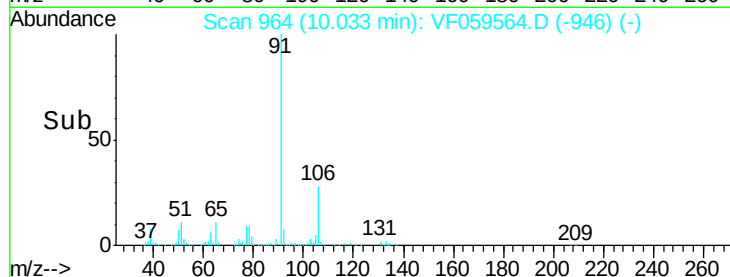
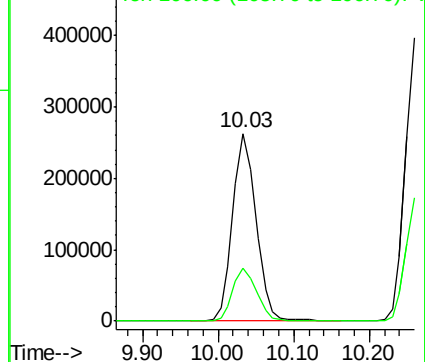
91 100

106 28.0 23.4 35.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 102.069 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.02 min

Lab File: VF059564.D

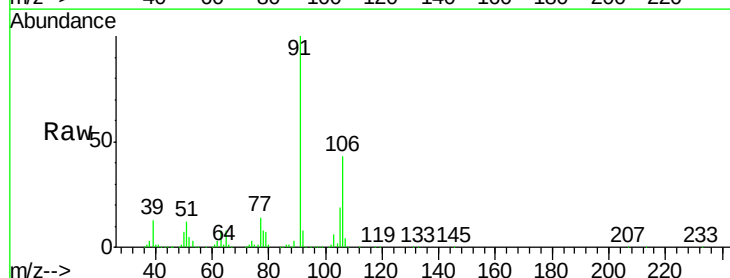
Acq: 19 Jul 2018 19:06

Tgt Ion:106 Resp: 392794

Ion Ratio Lower Upper

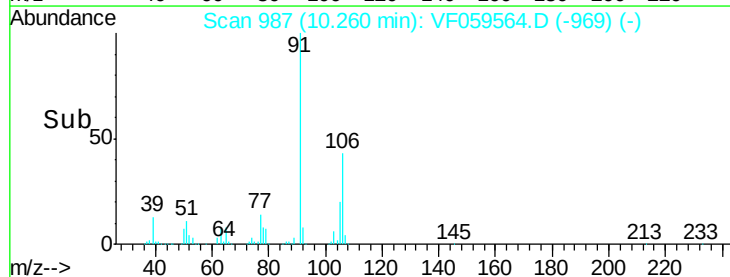
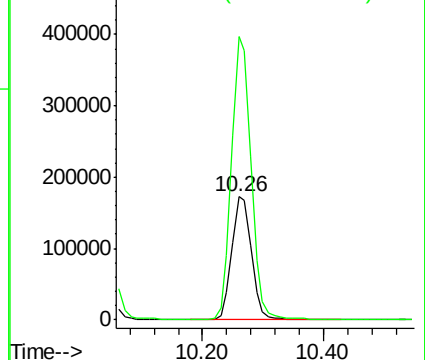
106 100

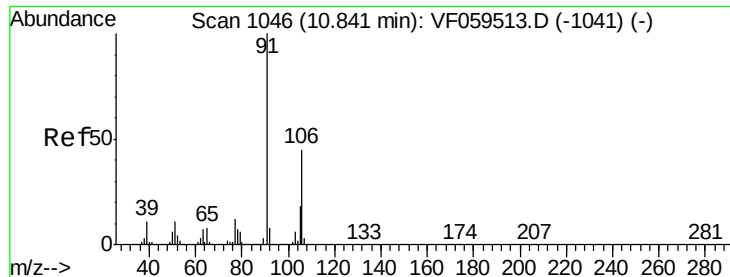
91 229.9 181.0 271.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

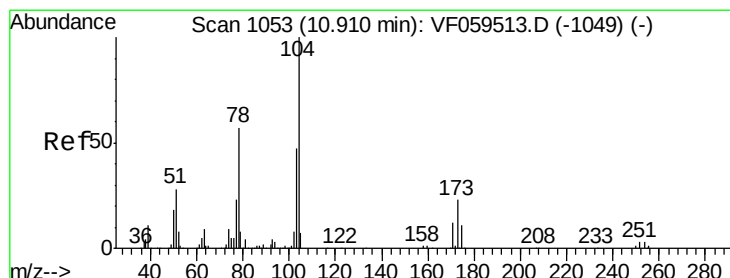
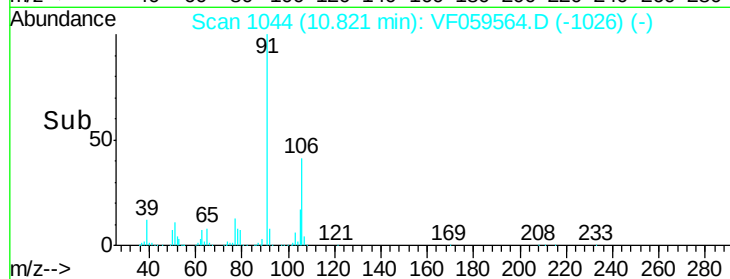
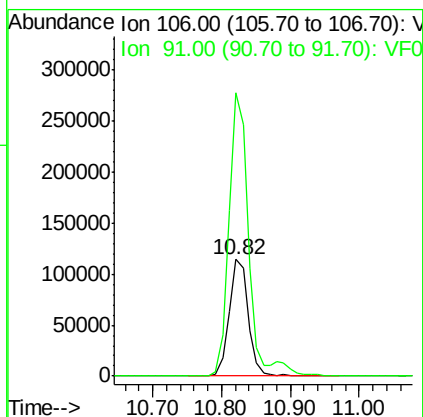
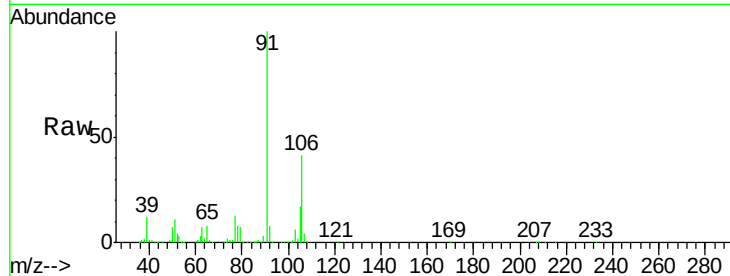




#69
o-Xylene
Concen: 53.736 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.02 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

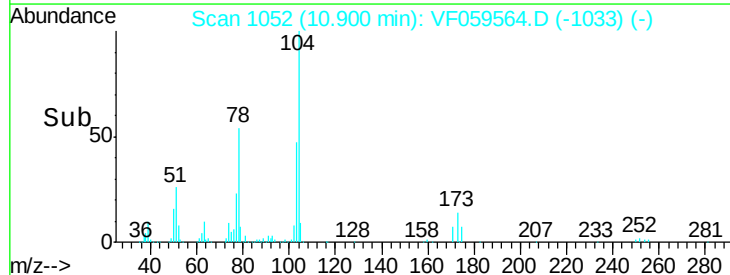
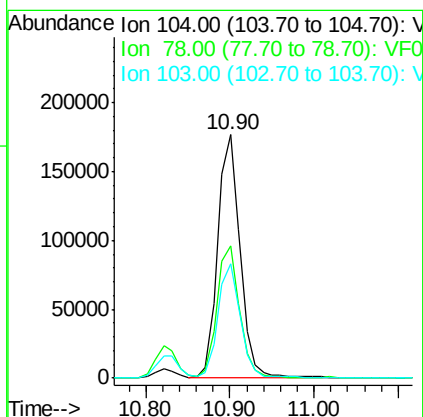
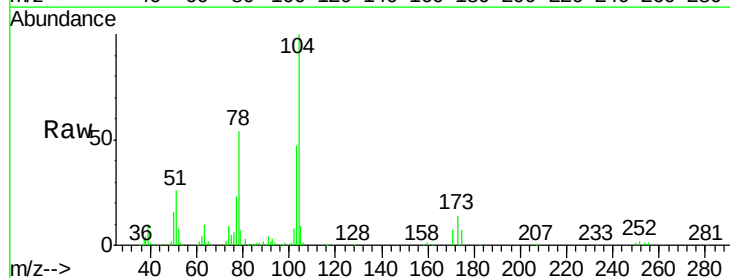
Instrument :
MSVOA_F
ClientSampleId :

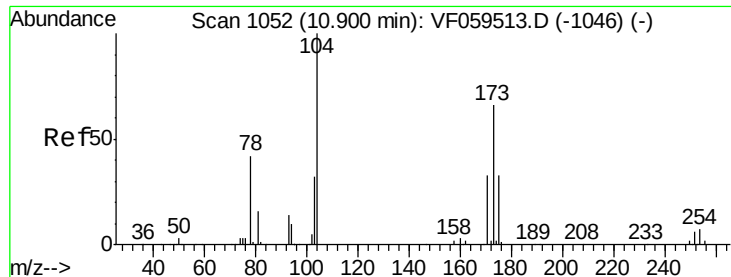
Tot Ion:106 Resp: 220199
Ion Ratio Lower Upper
106 100
91 242.2 112.3 336.9



#70
Styrene
Concen: 51.479 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Tgt Ion:104 Resp: 324252
Ion Ratio Lower Upper
104 100
78 54.3 45.7 68.5
103 46.9 38.1 57.1





#71

Bromoform

Concen: 50.655 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

ClientSampleId :

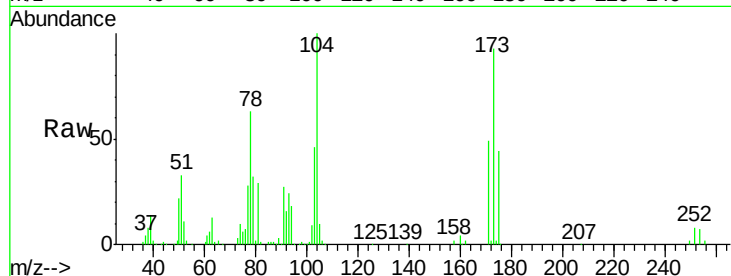
Tot Ion:173 Resp: 98169

Ion Ratio Lower Upper

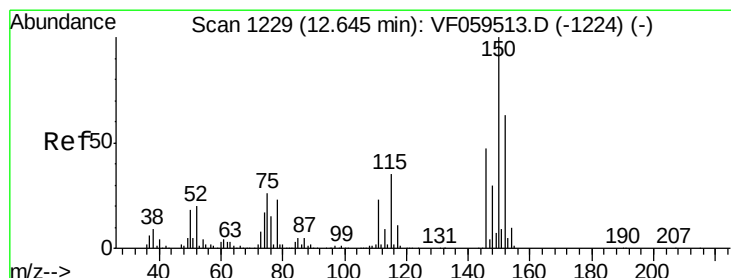
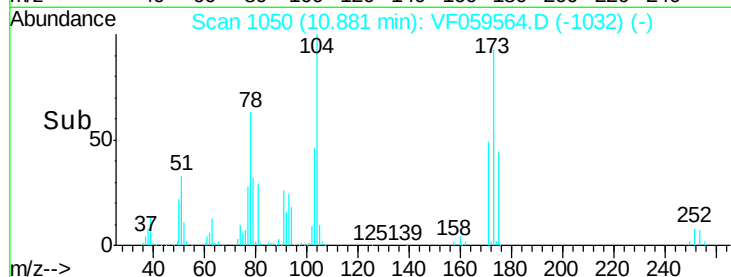
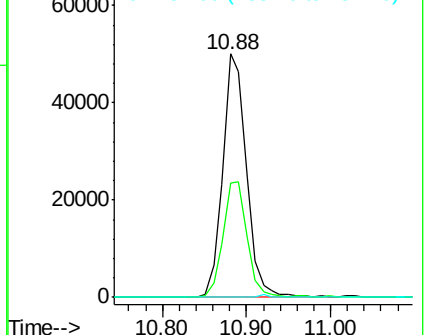
173 100

175 47.5 25.3 75.8

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

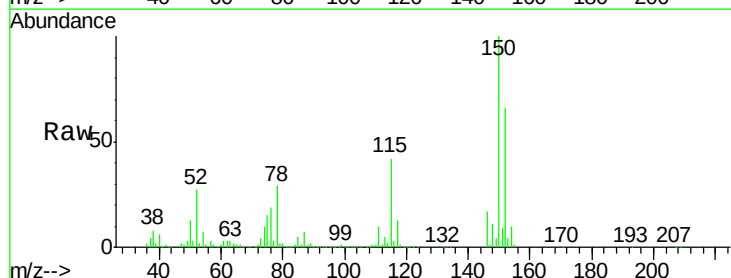
Tgt Ion:152 Resp: 223506

Ion Ratio Lower Upper

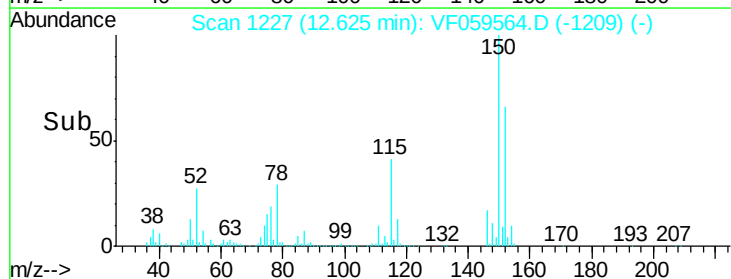
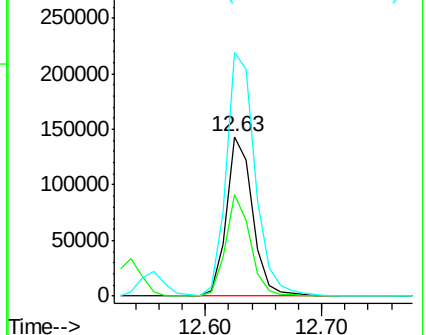
152 100

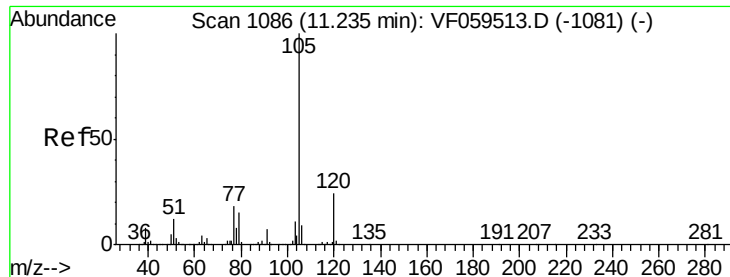
115 63.3 27.8 83.3

150 152.4 0.0 318.4



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: 48.727 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

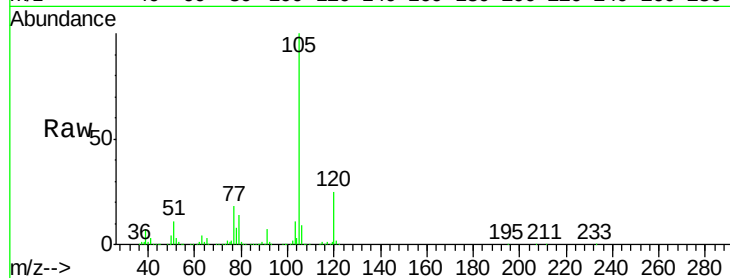
ClientSampleId :

Tot Ion:105 Resp: 687228

Ion Ratio Lower Upper

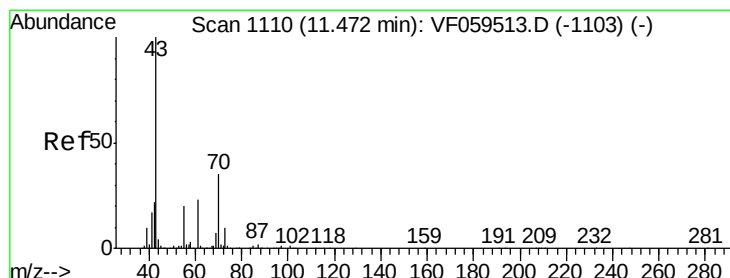
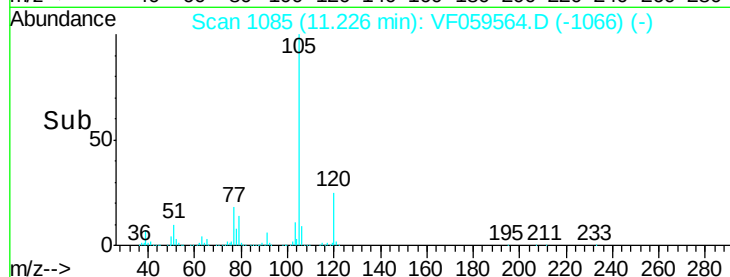
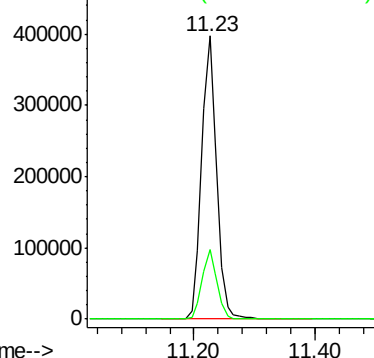
105 100

120 24.7 12.0 36.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 36.691 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Tgt Ion: 43 Resp: 165729

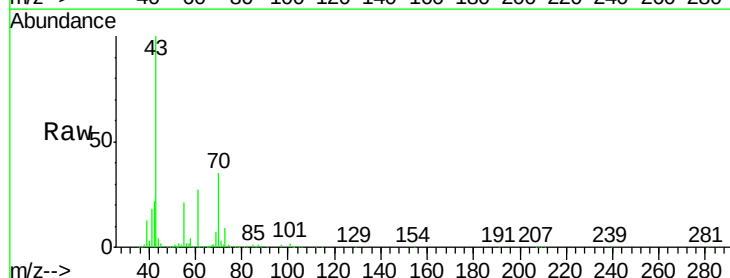
Ion Ratio Lower Upper

43 100

70 35.2 27.9 41.9

55 20.7 16.2 24.2

61 26.6 18.6 27.8

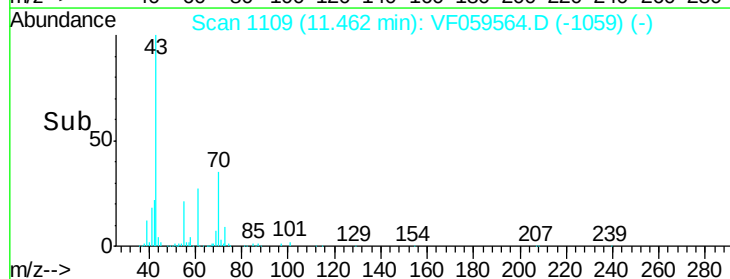
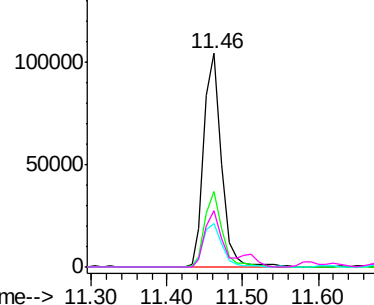


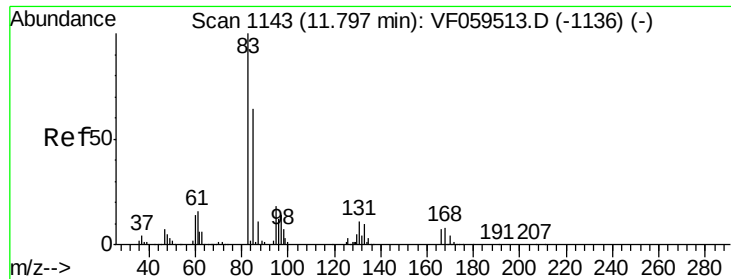
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 43.725 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

ClientSampleId :

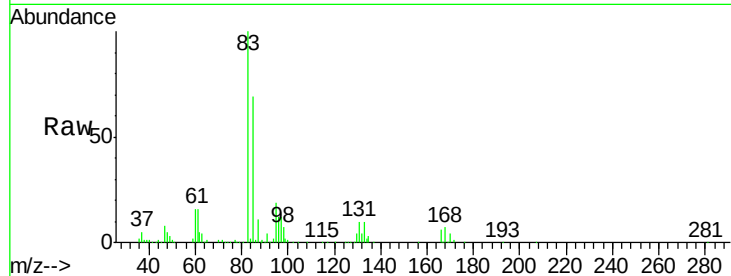
Tot Ion: 83 Resp: 134503

Ion Ratio Lower Upper

83 100

131 10.5 5.7 17.1

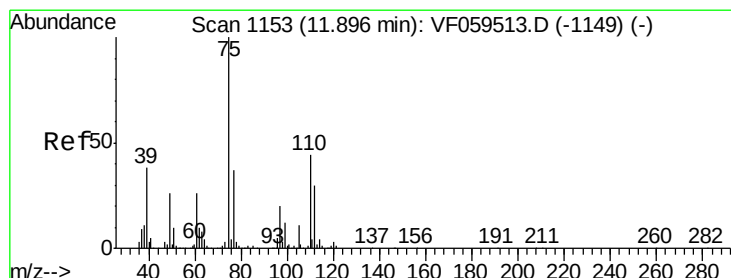
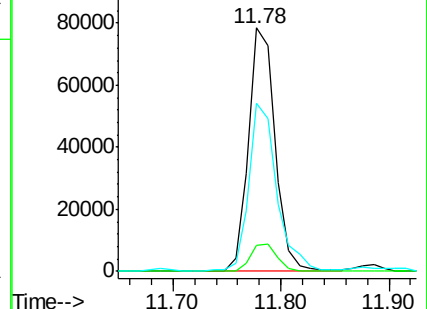
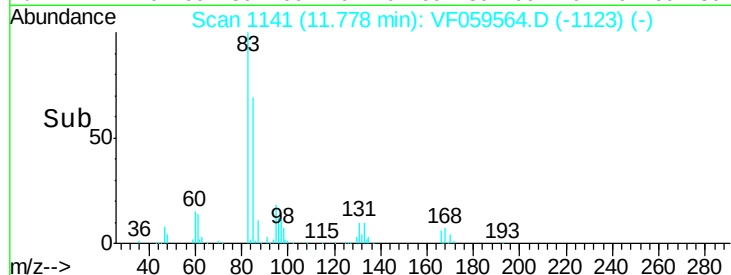
85 69.2 31.9 95.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 43.326 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF059564.D

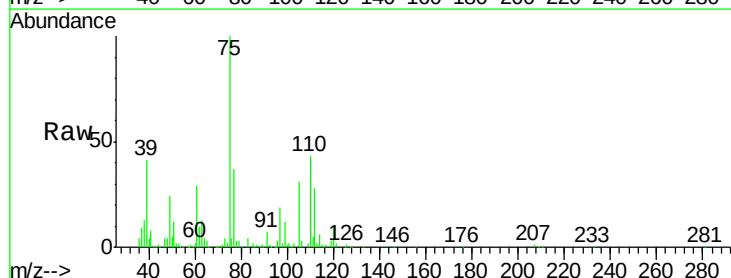
Acq: 19 Jul 2018 19:06

Tgt Ion: 75 Resp: 108833

Ion Ratio Lower Upper

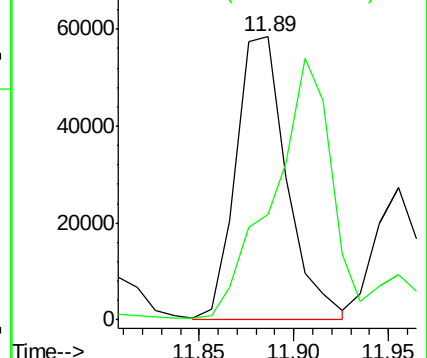
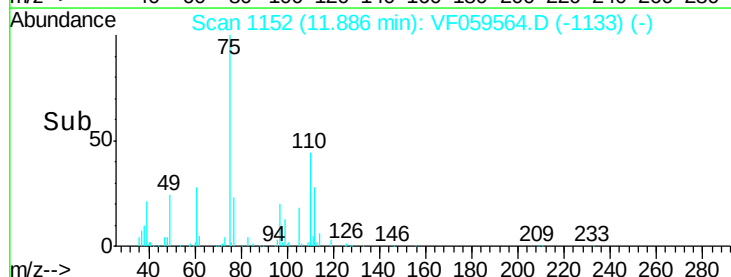
75 100

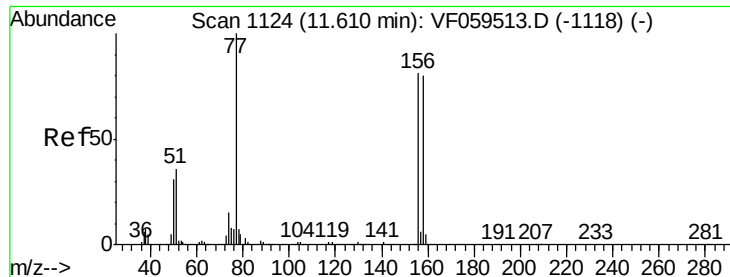
77 37.2 18.7 56.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 46.105 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

ClientSampleId :

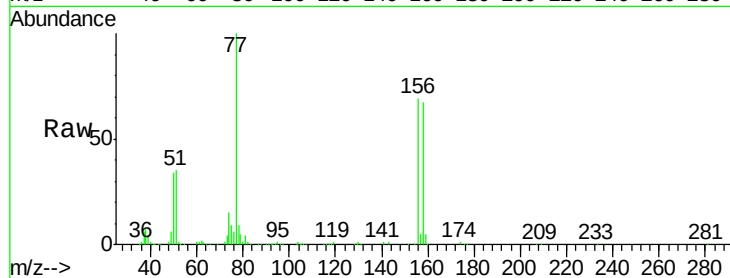
Tot Ion:156 Resp: 182261

Ion Ratio Lower Upper

156 100

77 144.4 62.0 186.0

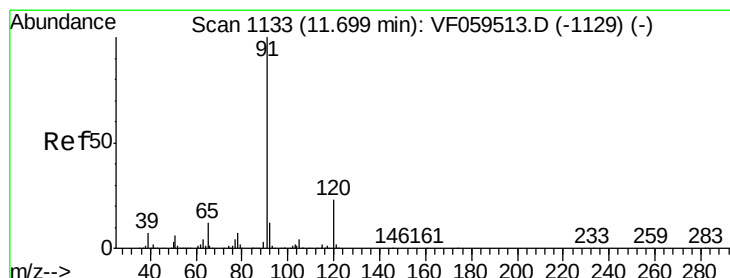
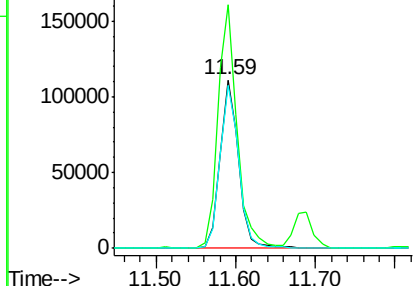
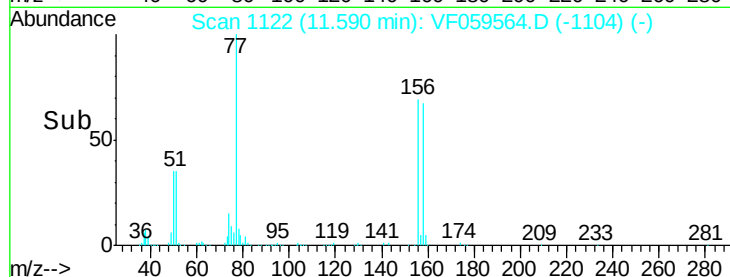
158 97.0 49.8 149.3



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: 49.740 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF059564.D

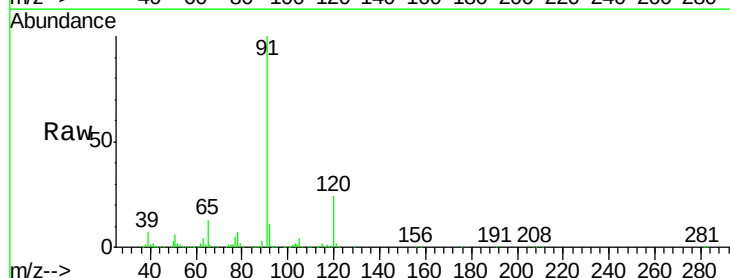
Acq: 19 Jul 2018 19:06

Tgt Ion: 91 Resp: 804697

Ion Ratio Lower Upper

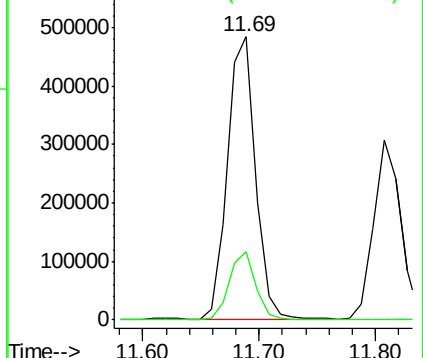
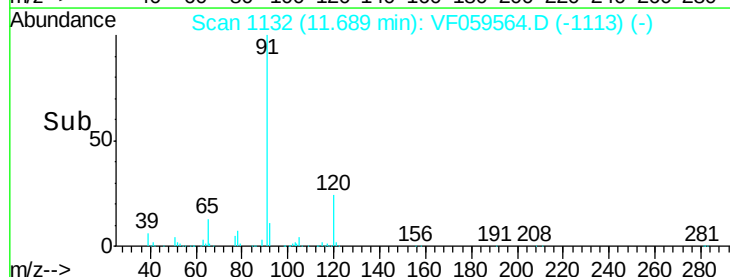
91 100

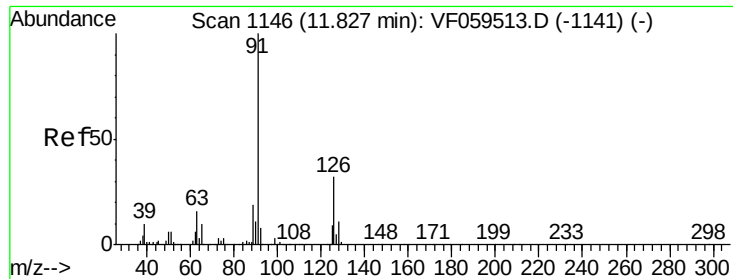
120 24.1 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.565 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.02 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

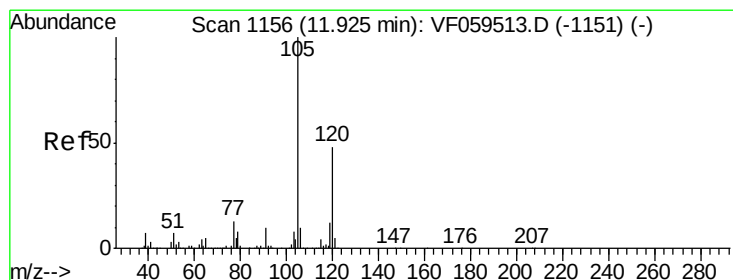
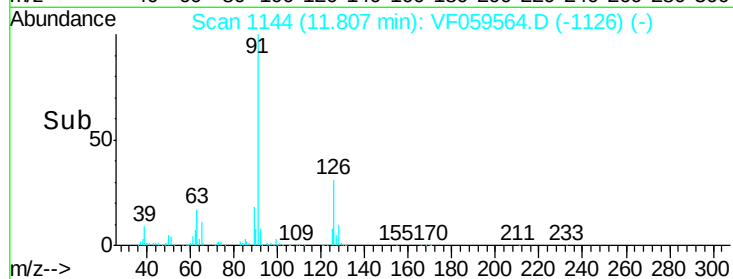
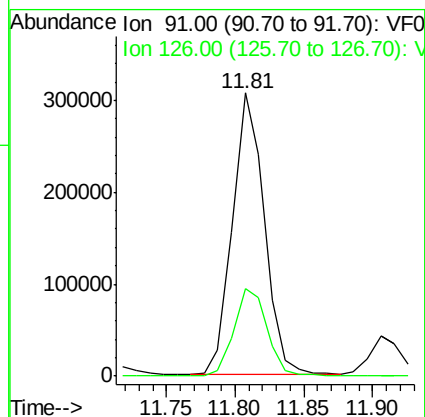
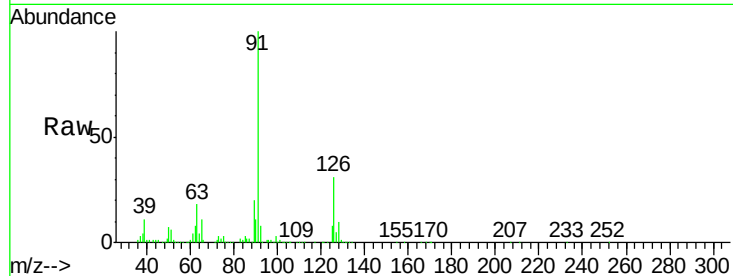
ClientSampleId :

Tot Ion: 91 Resp: 493924

Ion Ratio Lower Upper

91 100

126 31.1 15.7 47.1



#80

1,3,5-Trimethylbenzene

Concen: 50.500 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.02 min

Lab File: VF059564.D

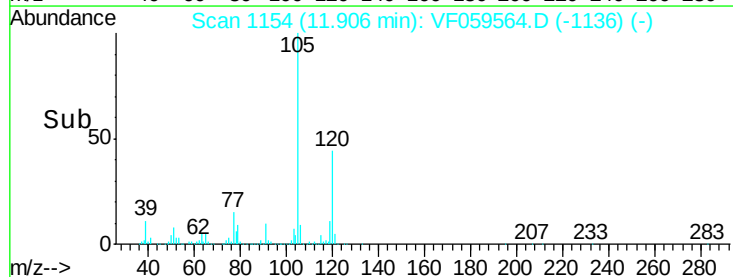
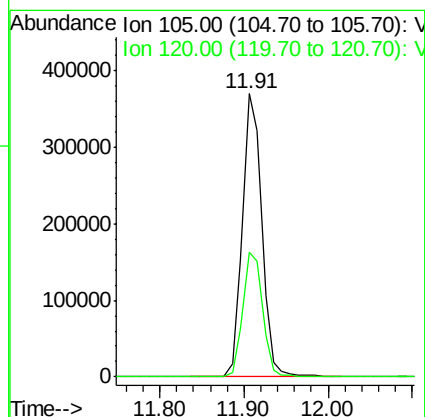
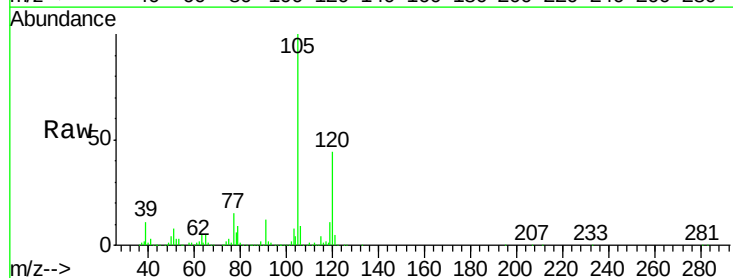
Acq: 19 Jul 2018 19:06

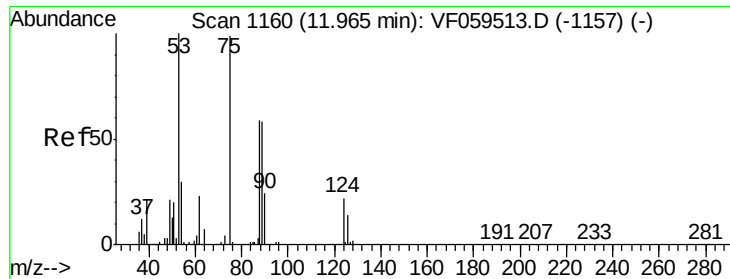
Tgt Ion:105 Resp: 596799

Ion Ratio Lower Upper

105 100

120 44.0 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 56.177 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

ClientSampleId :

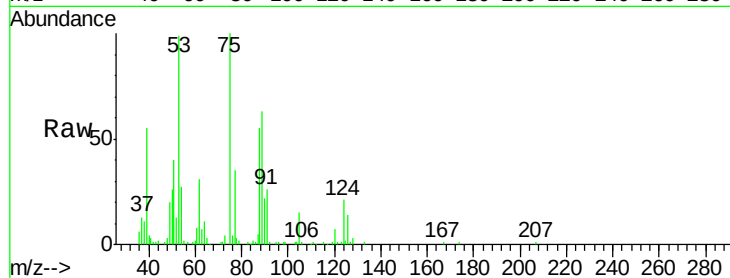
Tot Ion: 75 Resp: 64462

Ion Ratio Lower Upper

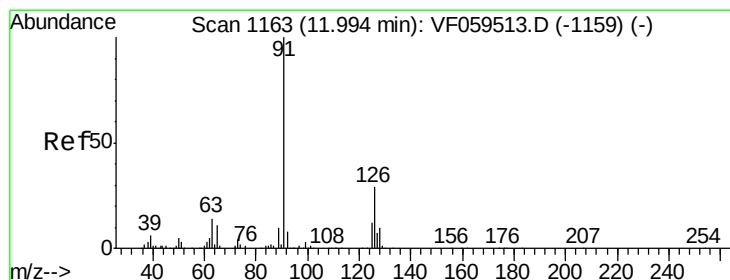
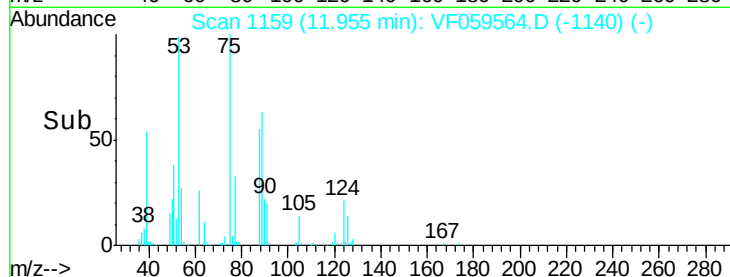
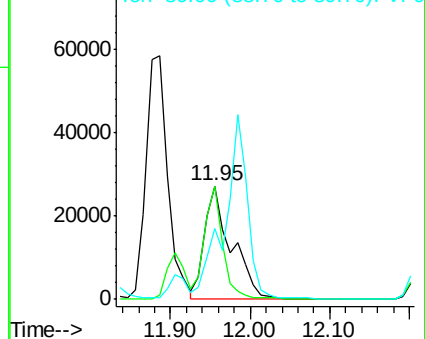
75 100

53 99.1 84.6 127.0

89 62.6 48.2 72.4



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: 47.582 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. -0.01 min

Lab File: VF059564.D

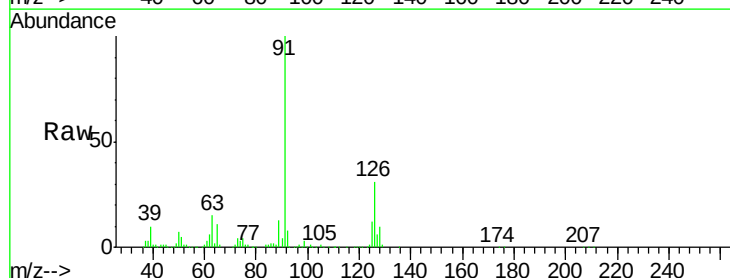
Acq: 19 Jul 2018 19:06

Tgt Ion: 91 Resp: 531289

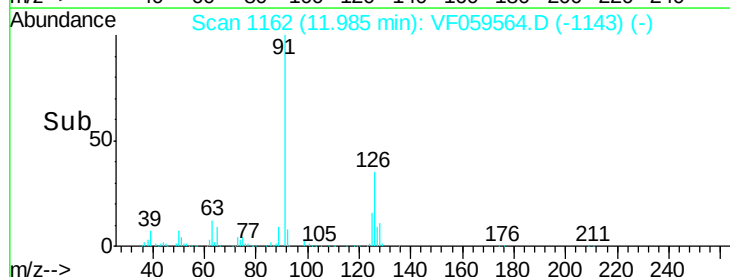
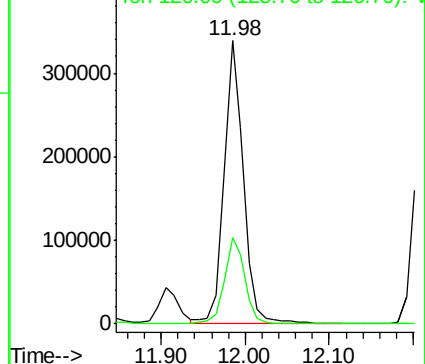
Ion Ratio Lower Upper

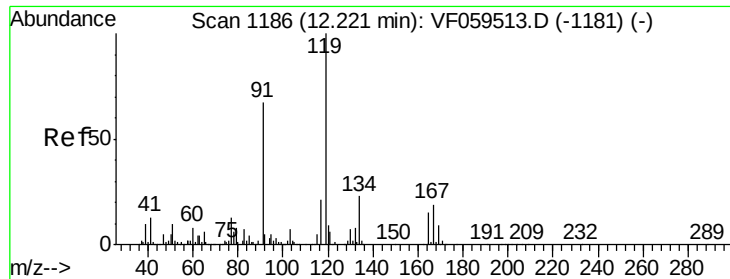
91 100

126 30.7 14.4 43.4



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 126.00 (125.70 to 126.70): V

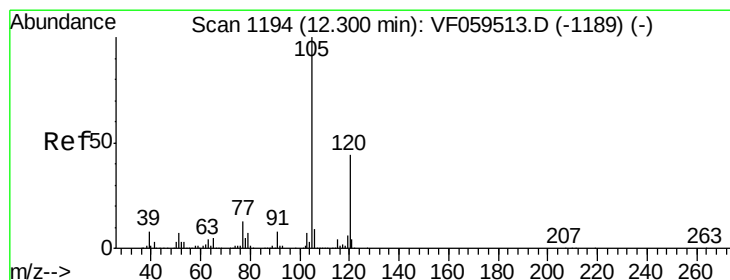
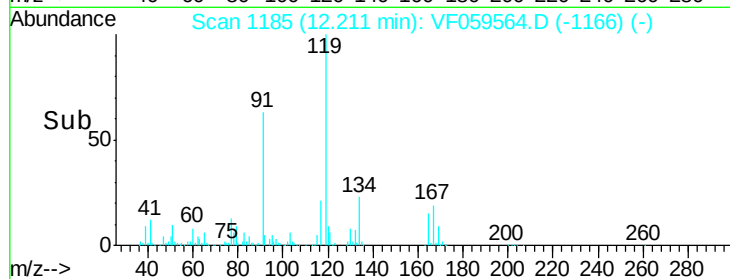
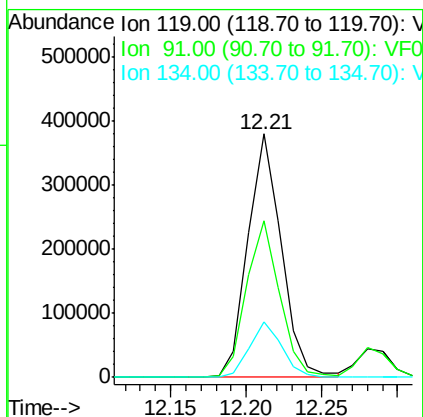
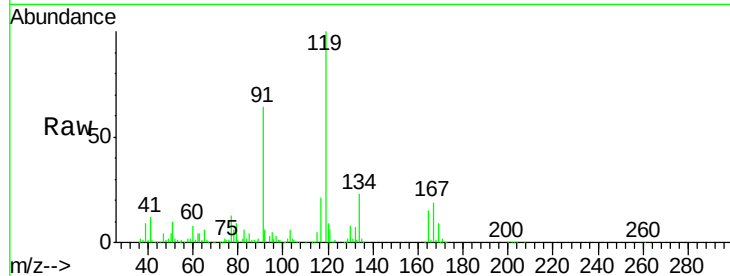




#83
 tert-Butylbenzene
 Concen: 51.863 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: VF059564.D
 Acq: 19 Jul 2018 19:06

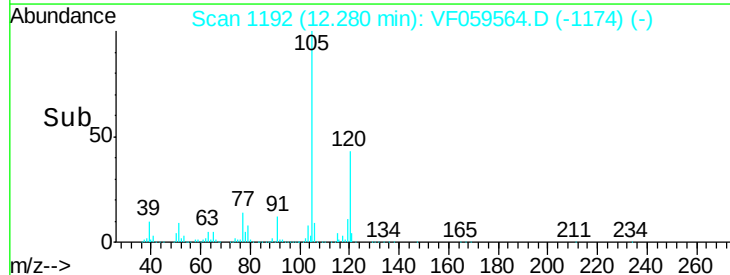
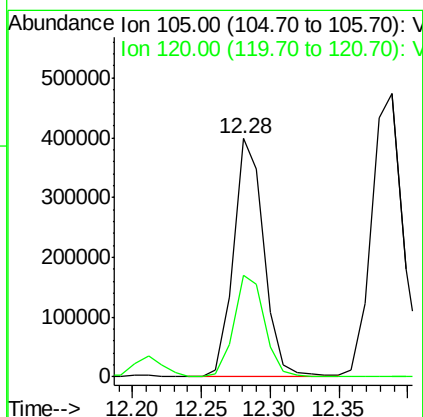
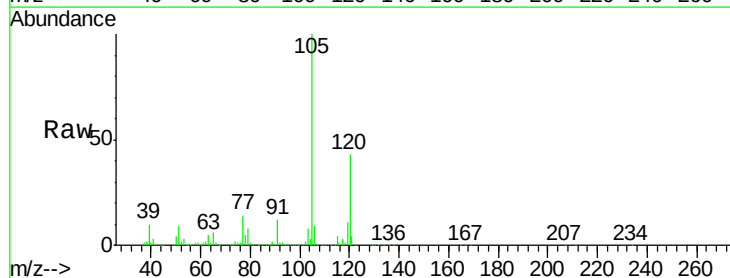
Instrument :
 MSVOA_F
 ClientSampled :

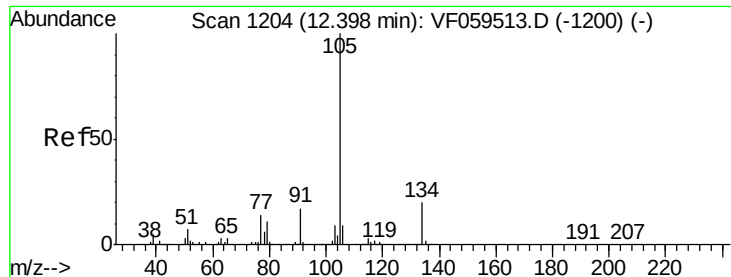
Tot Ion:119 Resp: 588243
 Ion Ratio Lower Upper
 119 100
 91 64.3 33.5 100.5
 134 22.6 11.3 33.8



#84
 1,2,4-Trimethylbenzene
 Concen: 50.281 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.02 min
 Lab File: VF059564.D
 Acq: 19 Jul 2018 19:06

Tgt Ion:105 Resp: 611351
 Ion Ratio Lower Upper
 105 100
 120 42.7 22.5 67.5





#85

sec-Butylbenzene

Concen: 52.516 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

Instrument :

MSVOA_F

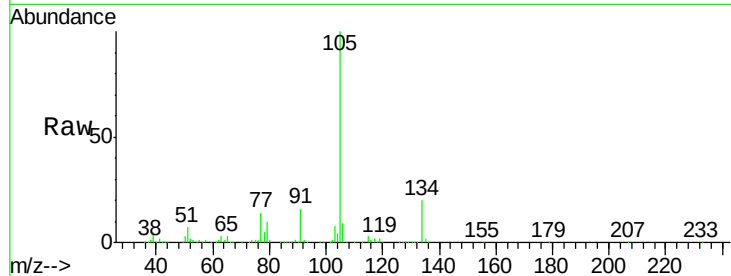
ClientSampleId :

Tot Ion:105 Resp: 757530

Ion Ratio Lower Upper

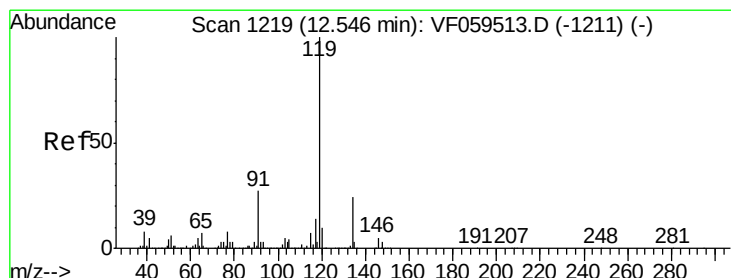
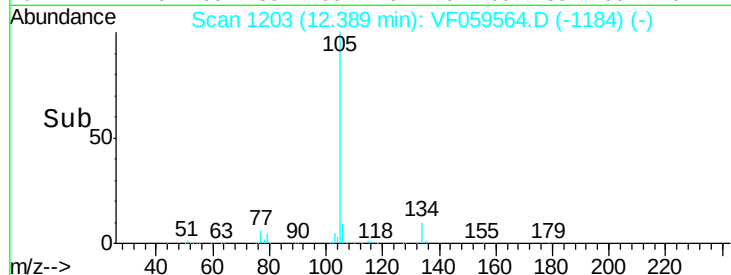
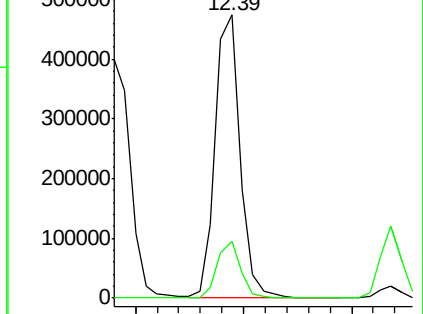
105 100

134 19.9 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.668 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF059564.D

Acq: 19 Jul 2018 19:06

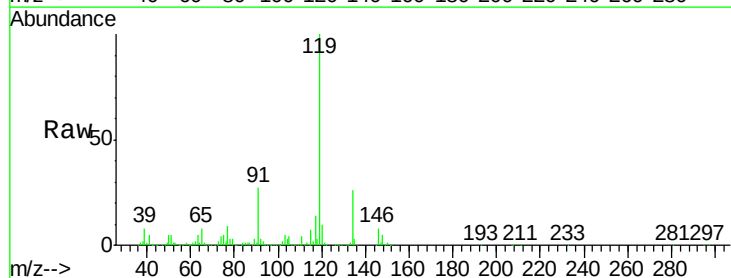
Tgt Ion:119 Resp: 661006

Ion Ratio Lower Upper

119 100

134 26.0 12.0 36.0

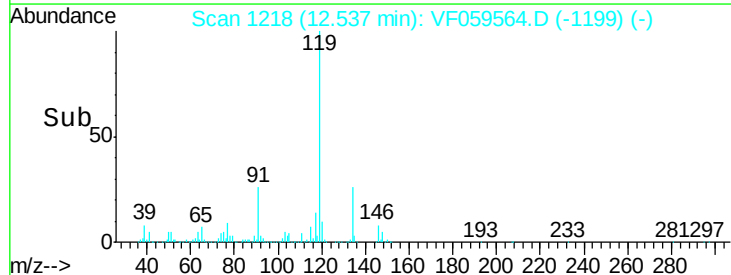
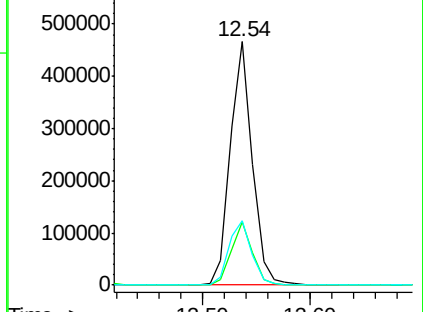
91 26.6 13.5 40.4

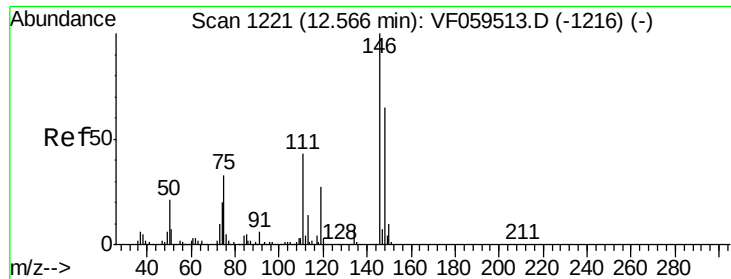


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

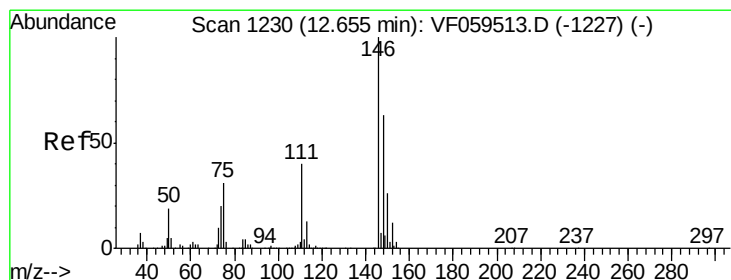
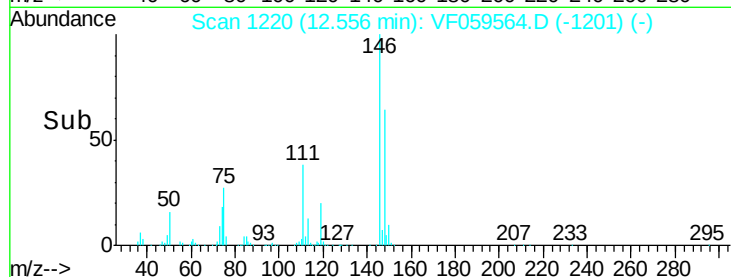
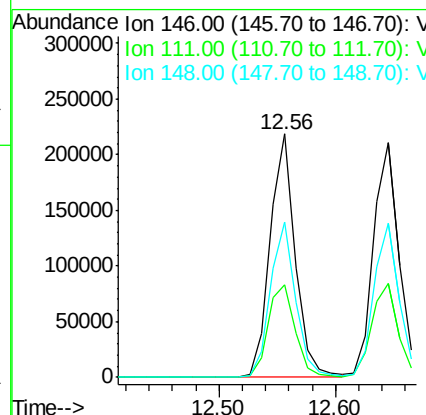
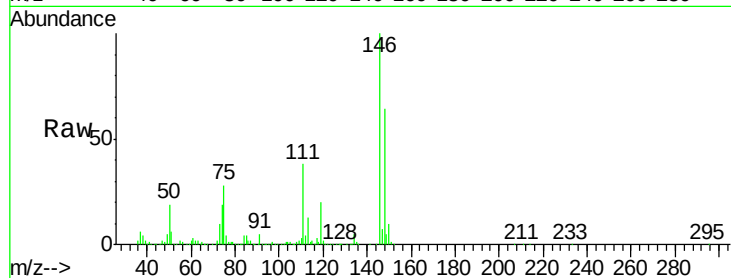




#87
 1,3-Dichlorobenzene
 Concen: 48.175 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.01 min
 Lab File: VF059564.D
 Acq: 19 Jul 2018 19:06

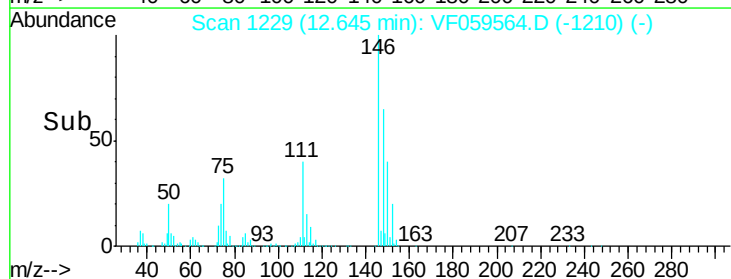
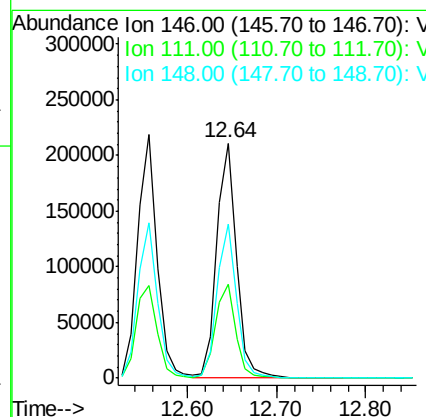
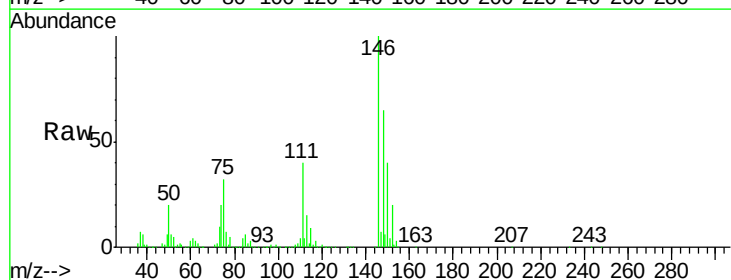
Instrument :
 MSVOA_F
 ClientSampleId :

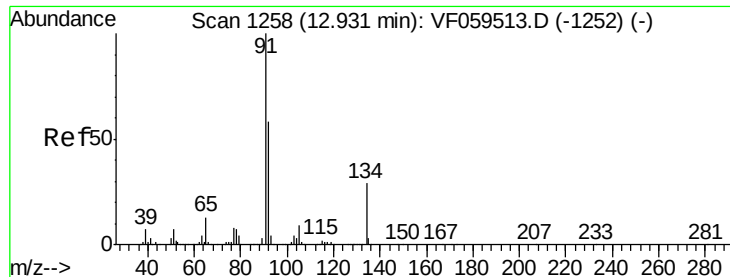
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	21.4	64.3
148	63.7	32.7	98.1



#88
 1,4-Dichlorobenzene
 Concen: 49.070 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VF059564.D
 Acq: 19 Jul 2018 19:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	59.9
148	65.4	31.5	94.5

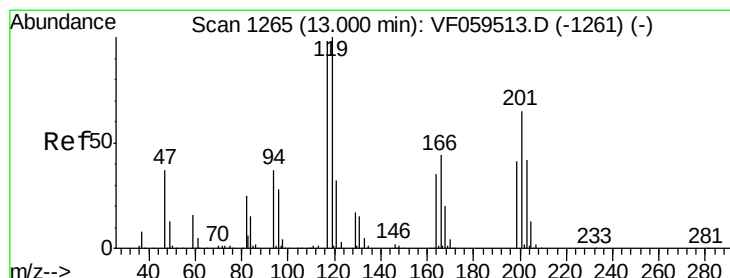
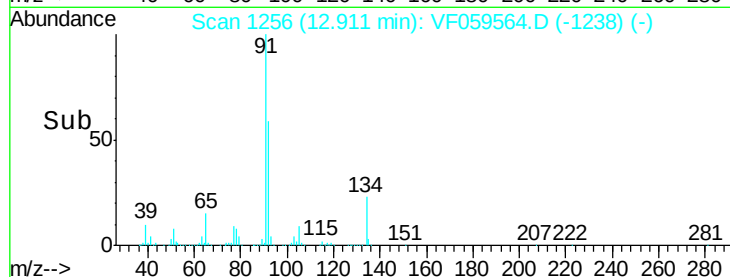
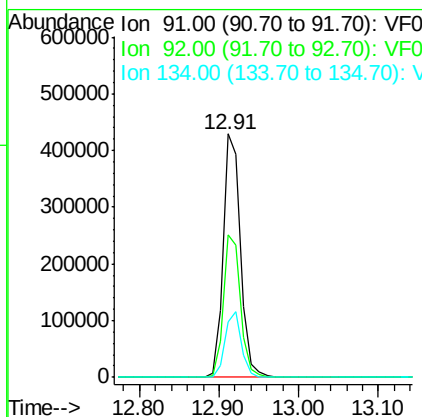
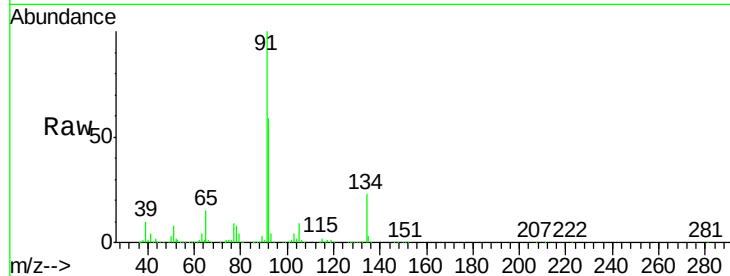




#89
n-Butylbenzene
Concen: 56.000 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.02 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

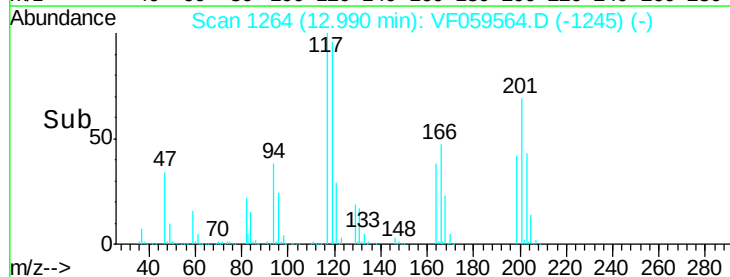
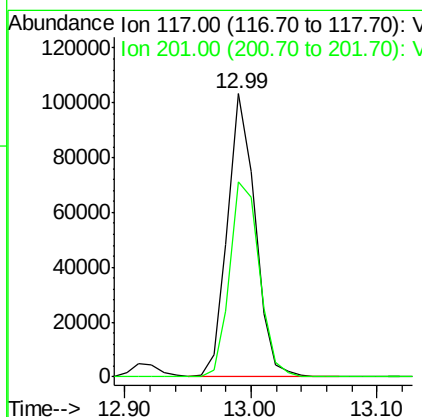
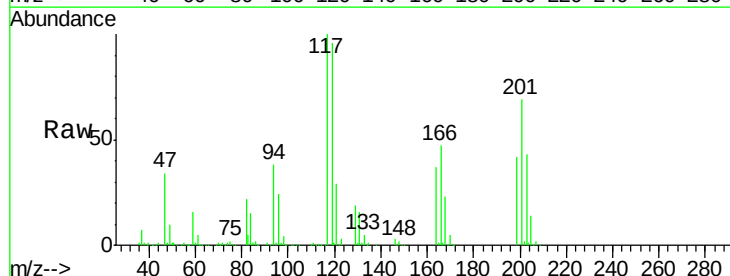
Instrument :
MSVOA_F
ClientSampled :

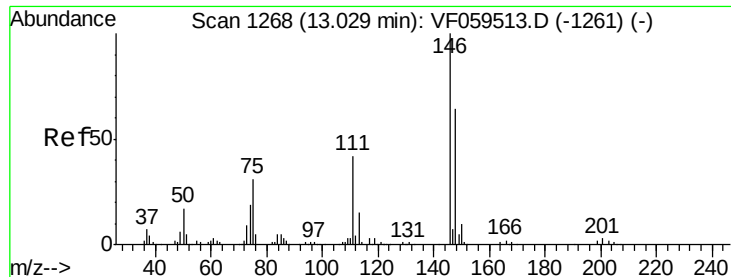
Tot Ion: 91 Resp: 657758
Ion Ratio Lower Upper
91 100
92 58.8 29.1 87.3
134 22.9 14.3 42.9



#90
Hexachloroethane
Concen: 54.891 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Tgt Ion: 117 Resp: 156487
Ion Ratio Lower Upper
117 100
201 69.1 32.6 98.0

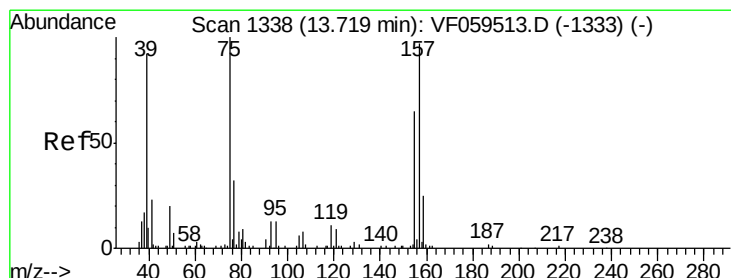
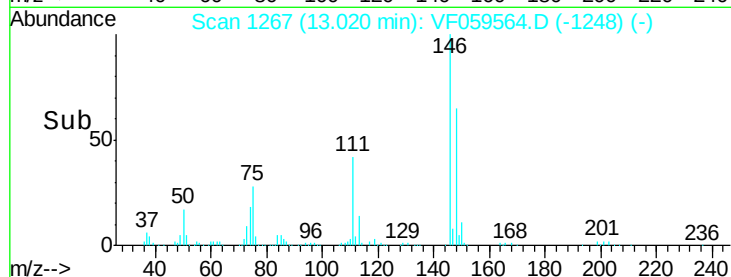
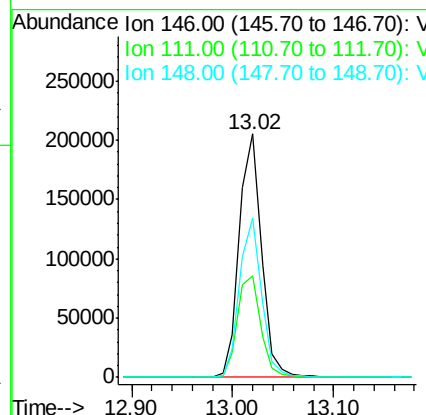
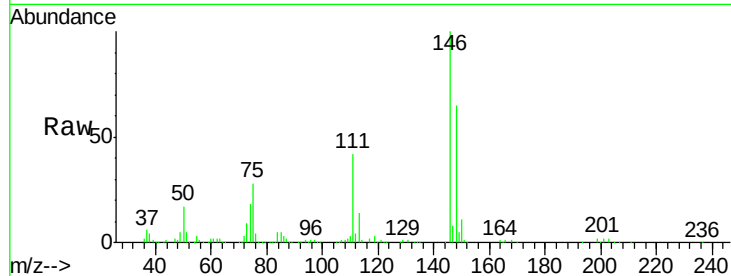




#91
 1,2-Dichlorobenzene
 Concen: 48.563 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VF059564.D
 Acq: 19 Jul 2018 19:06

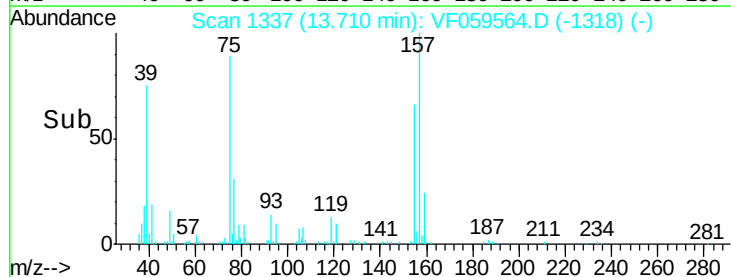
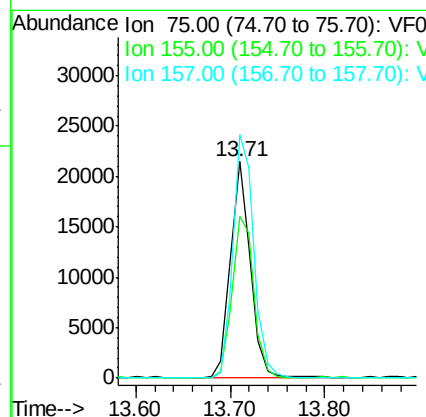
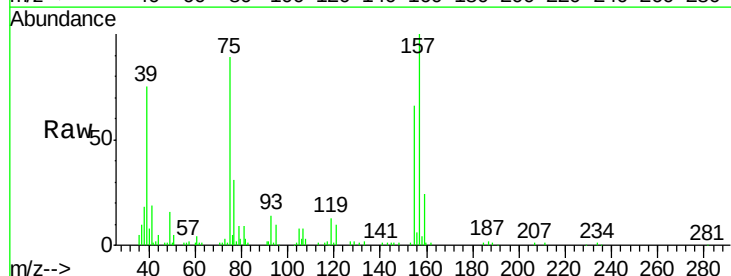
Instrument :
 MSVOA_F
 ClientSampled :

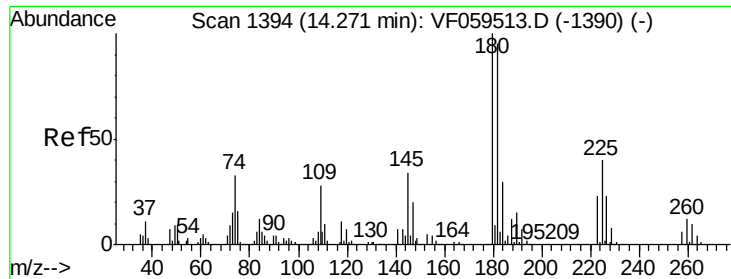
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.1	63.1
148	65.3	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.909 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VF059564.D
 Acq: 19 Jul 2018 19:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.5	32.8	98.3
157	112.4	48.5	145.5

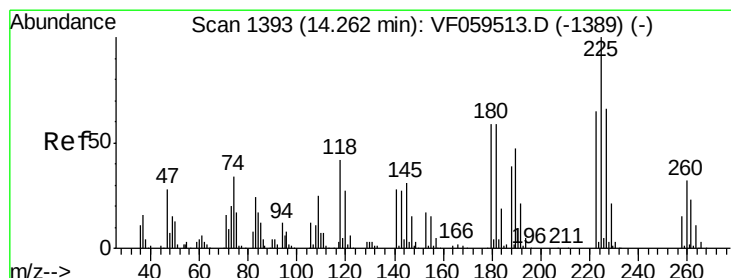
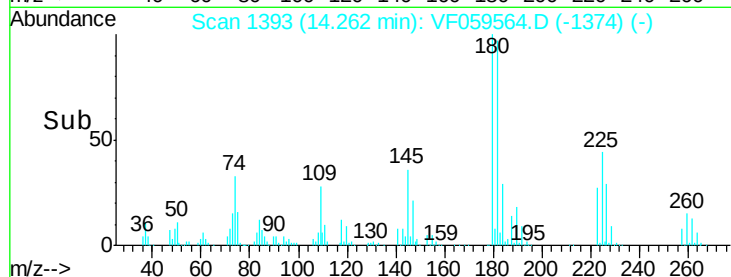
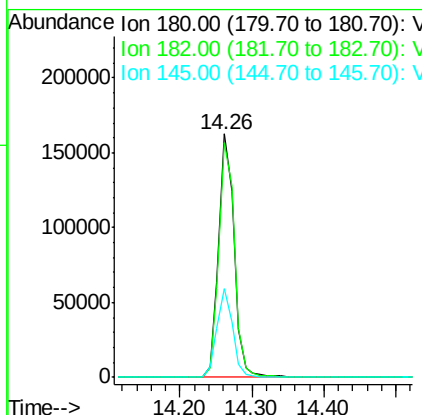
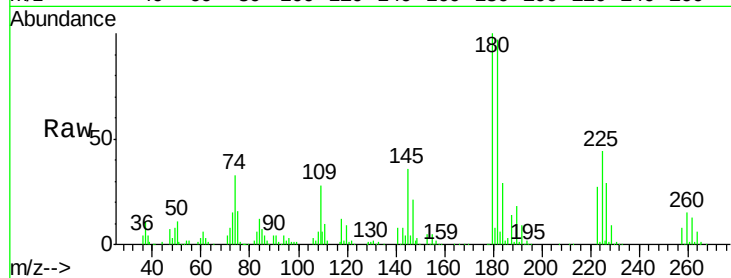




#93
 1,2,4-Trichlorobenzene
 Concen: 61.088 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059564.D
 Acq: 19 Jul 2018 19:06

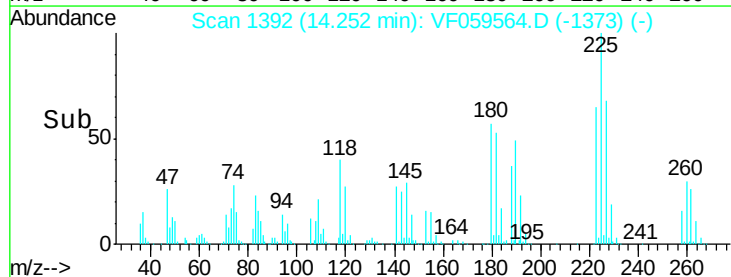
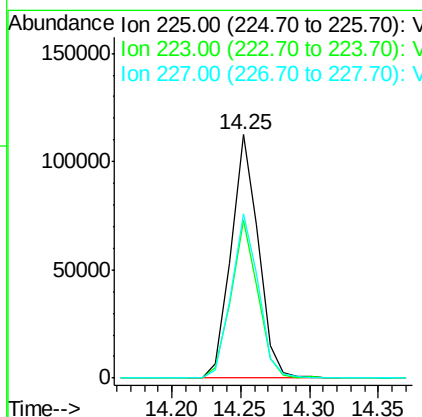
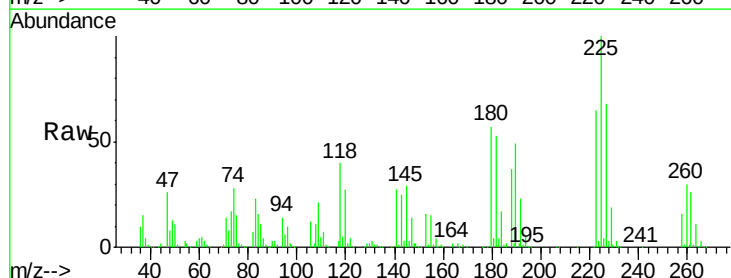
Instrument :
 MSVOA_F
 ClientSampled :

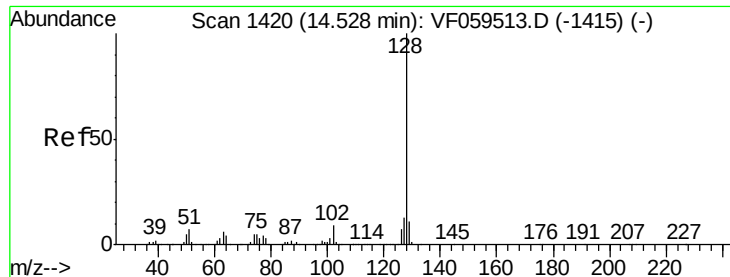
Tot Ion:180 Resp: 240765
 Ion Ratio Lower Upper
 180 100
 182 96.6 47.5 142.5
 145 36.5 17.3 51.7



#94
 Hexachlorobutadiene
 Concen: 76.718 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059564.D
 Acq: 19 Jul 2018 19:06

Tgt Ion:225 Resp: 154897
 Ion Ratio Lower Upper
 225 100
 223 64.7 32.3 96.8
 227 67.5 33.2 99.6

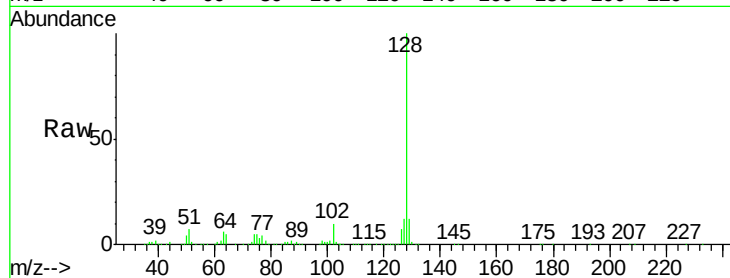




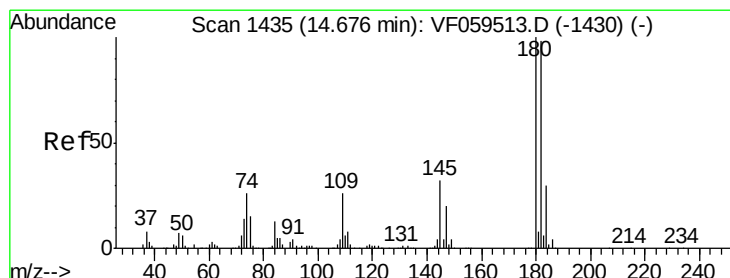
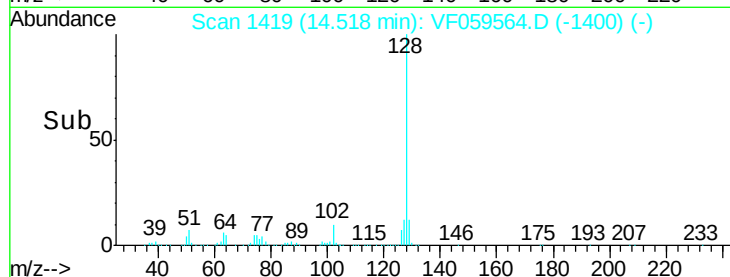
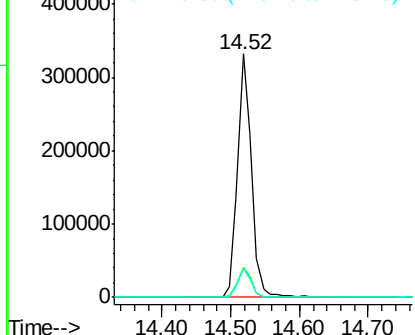
#95
Naphthalene
Concen: 57.082 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 467372
Ion Ratio Lower Upper
128 100
127 12.2 10.2 15.2
129 11.6 9.0 13.4

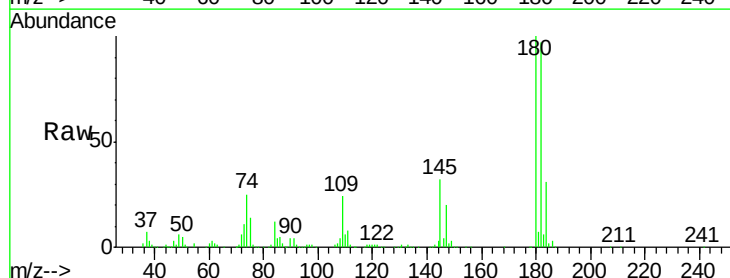


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 66.184 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. -0.01 min
Lab File: VF059564.D
Acq: 19 Jul 2018 19:06

Tgt Ion:180 Resp: 235685
Ion Ratio Lower Upper
180 100
182 97.4 48.8 146.4
145 32.0 16.2 48.6



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

