

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059247.D
 Acq On : 21 Jun 2018 2:33
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.20g/5mL/MSVOA-F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 21 06:40:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	230699	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	346927	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	356446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	217654	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	168849	60.35	ug/l	0.00
Spiked Amount 50.000			Recovery =	120.70%		
35) Dibromofluoromethane	4.29	113	142822	58.67	ug/l	0.00
Spiked Amount 50.000			Recovery =	117.34%		
50) Toluene-d8	7.71	98	391001	54.67	ug/l	0.00
Spiked Amount 50.000			Recovery =	109.34%		
62) 4-Bromofluorobenzene	11.51	95	203483	55.47	ug/l	0.00
Spiked Amount 50.000			Recovery =	110.94%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	127420	48.799	ug/l	98
3) Chloromethane	1.08	50	80641	39.871	ug/l	98
4) Vinyl Chloride	1.14	62	80480	44.105	ug/l	97
5) Bromomethane	1.34	94	45194	42.506	ug/l	98
6) Chloroethane	1.43	64	36720	48.499	ug/l	97
7) Trichlorofluoromethane	1.49	101	51958	18.318	ug/l	93
8) Diethyl Ether	1.70	74	39757	55.711	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.90	101	84994	47.018	ug/l	96
10) Methyl Iodide	1.97	142	157846	49.904	ug/l	99
11) Tert butyl alcohol	2.70	59	50084	279.377	ug/l	96
12) 1,1-Dichloroethene	1.86	96	82879	54.522	ug/l	94
13) Acrolein	2.09	56	33188	213.887	ug/l	99
14) Allyl chloride	2.19	41	144164	48.320	ug/l	88
15) Acrylonitrile	3.08	53	102248	287.177	ug/l	96
16) Acetone	2.33	43	161713	242.076	ug/l #	88
17) Carbon Disulfide	1.87	76	184107	43.137	ug/l	97
18) Methyl Acetate	2.45	43	68408	59.568	ug/l #	91
19) Methyl tert-butyl Ether	2.53	73	285051	60.406	ug/l	99
20) Methylene Chloride	2.27	84	40497	25.318	ug/l	91
21) trans-1,2-Dichloroethene	2.41	96	84797	50.865	ug/l	95
22) Diisopropyl ether	2.92	45	318342	54.279	ug/l	98
23) Vinyl Acetate	3.33	43	997659	257.993	ug/l	99
24) 1,1-Dichloroethane	2.99	63	196104	55.153	ug/l	99
25) 2-Butanone	4.51	43	234278	226.209	ug/l	99
26) 2,2-Dichloropropane	3.76	77	125308	48.577	ug/l	93
27) cis-1,2-Dichloroethene	3.63	96	130324	50.793	ug/l	95
28) Bromochloromethane	3.88	49	74800	46.739	ug/l #	88
29) Tetrahydrofuran	4.26	42	112662	246.879	ug/l	98
30) Chloroform	4.03	83	285579	56.145	ug/l	99
31) Cyclohexane	3.86	56	131141	42.220	ug/l	93
32) 1,1,1-Trichloroethane	4.27	97	210938	55.549	ug/l	94
36) 1,1-Dichloropropene	4.45	75	172862	51.405	ug/l	96
37) Ethyl Acetate	4.29	43	112101	53.952	ug/l	89
38) Carbon Tetrachloride	4.17	117	221138	60.678	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	160462	46.813	ug/l	97
40) Benzene	4.81	78	383953	49.191	ug/l	96
41) Methacrylonitrile	4.93	41	56879	55.720	ug/l	96
42) 1,2-Dichloroethane	5.11	62	234357	66.947	ug/l	97
43) Isopropyl Acetate	7.10	43	145731	52.370	ug/l #	90
44) Trichloroethene	5.67	130	132029	54.136	ug/l	97
45) 1,2-Dichloropropane	6.39	63	113001	50.211	ug/l	94
46) Dibromomethane	6.25	93	97923	57.830	ug/l	99
47) Bromodichloromethane	6.54	83	240189	62.352	ug/l	97
48) Methyl methacrylate	6.87	41	94317	54.982	ug/l #	90
49) 1,4-Dioxane	6.87	88	11960	960.414	ug/l	95
51) 4-Methyl-2-Pentanone	8.41	43	509255	267.011	ug/l	100
52) Toluene	7.77	92	288434	51.305	ug/l	100
53) t-1,3-Dichloropropene	8.43	75	201050	53.892	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	221273	51.633	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	121078	59.432	ug/l	97
56) Ethyl methacrylate	8.76	69	146858	57.189	ug/l	98
57) 1,3-Dichloropropane	9.00	76	199306	57.191	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	51987	283.127	ug/l	100
59) 2-Hexanone	9.63	43	409169	271.221	ug/l	97
60) Dibromochloromethane	8.86	129	179615	61.354	ug/l	98
61) 1,2-Dibromoethane	9.13	107	140800	59.480	ug/l	96
64) Tetrachloroethene	8.31	164	144811	55.391	ug/l	91
65) Chlorobenzene	9.94	112	374881	53.112	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	160614	57.204	ug/l	95
67) Ethyl Benzene	10.04	91	663265	54.080	ug/l	99
68) m/p-Xylenes	10.27	106	448405	97.654	ug/l	94
69) o-Xylene	10.83	106	263199	53.035	ug/l	96
70) Styrene	10.90	104	393445	52.398	ug/l	96
71) Bromoform	10.89	173	112957	59.239	ug/l #	94
73) Isopropylbenzene	11.22	105	755792	50.155	ug/l	99
74) N-amyl acetate	11.46	43	266213	49.455	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	180373	50.487	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	135557	51.376	ug/l	98
77) Bromobenzene	11.60	156	202528	53.402	ug/l	82
78) n-propylbenzene	11.69	91	872567	48.921	ug/l	98
79) 2-Chlorotoluene	11.82	91	523452	49.677	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	627482	50.311	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	79445	46.439	ug/l	96
82) 4-Chlorotoluene	11.99	91	572227	51.010	ug/l	96
83) tert-Butylbenzene	12.22	119	653647	52.781	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	681124	52.707	ug/l	94
85) sec-Butylbenzene	12.39	105	857698	50.969	ug/l	99
86) p-Isopropyltoluene	12.54	119	699505	50.611	ug/l	96
87) 1,3-Dichlorobenzene	12.56	146	350884	50.113	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	359357	53.257	ug/l	99
89) n-Butylbenzene	12.92	91	716211	49.999	ug/l	99
90) Hexachloroethane	13.00	117	176231	51.777	ug/l	73
91) 1,2-Dichlorobenzene	13.02	146	356938	52.916	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.72	75	37418	53.395	ug/l	72

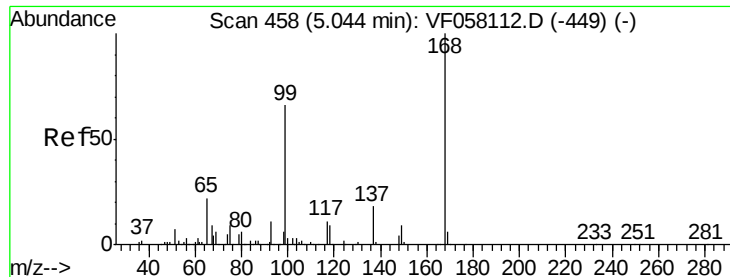
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	266836	56.558	ug/l	98
94) Hexachlorobutadiene	14.26	225	150465	55.112	ug/l	97
95) Naphthalene	14.53	128	604102	59.947	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	252630	57.945	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

Instrument :

MSVOA_F

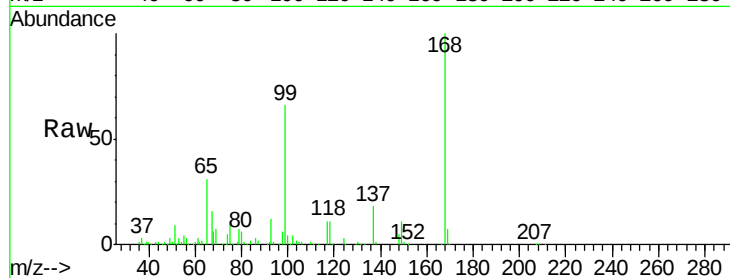
ClientSampled :

Tot Ion:168 Resp: 230699

Ion Ratio Lower Upper

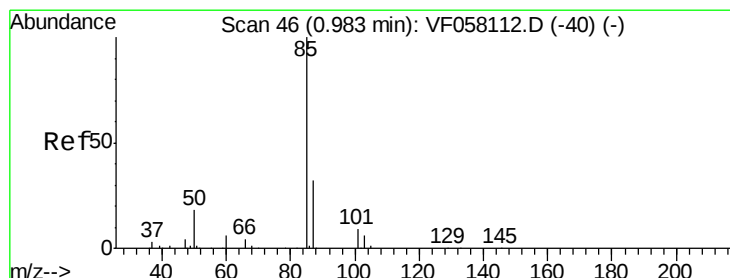
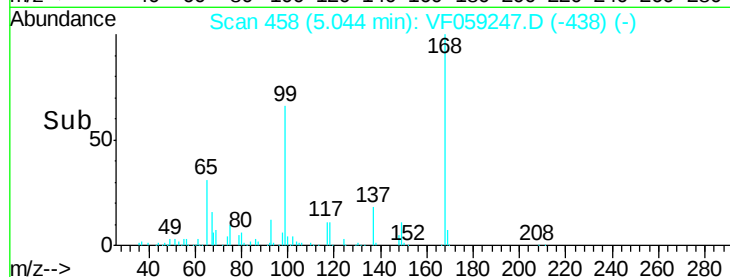
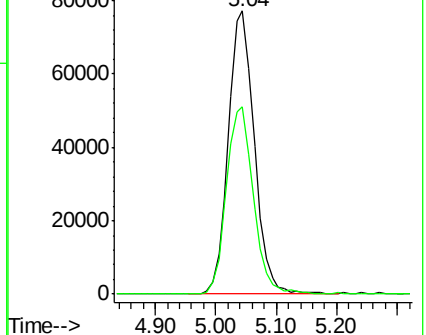
168 100

99 66.3 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 48.799 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF059247.D

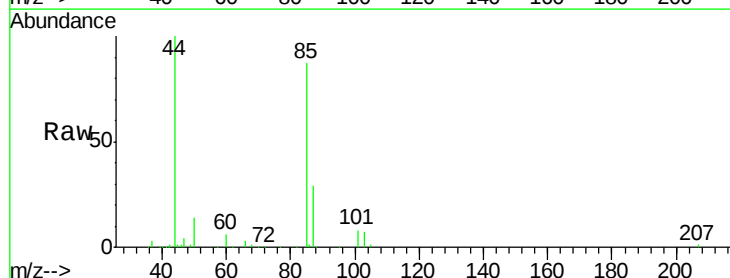
Acq: 21 Jun 2018 2:33

Tgt Ion: 85 Resp: 127420

Ion Ratio Lower Upper

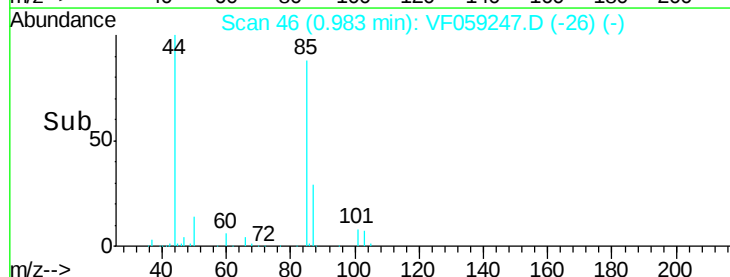
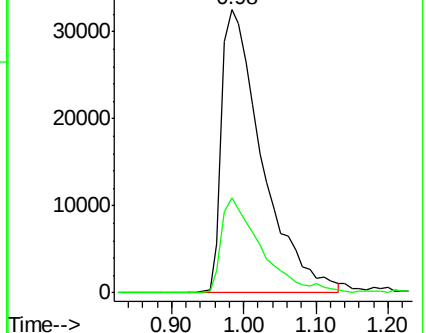
85 100

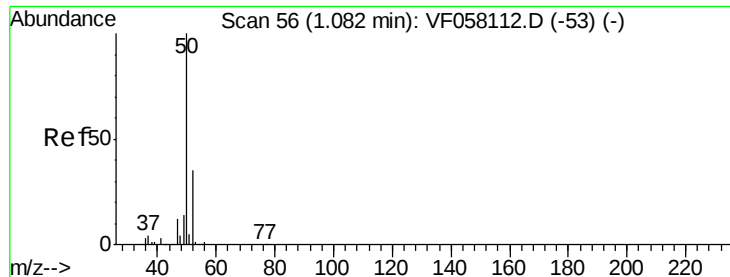
87 33.5 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 39.871 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

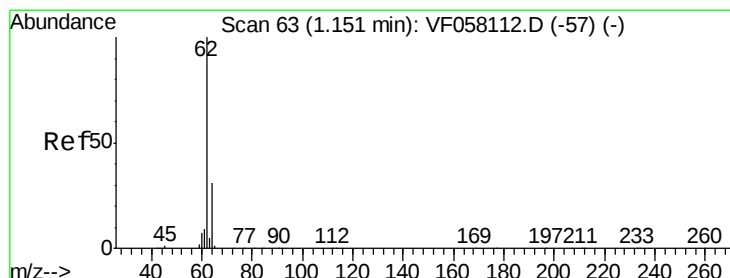
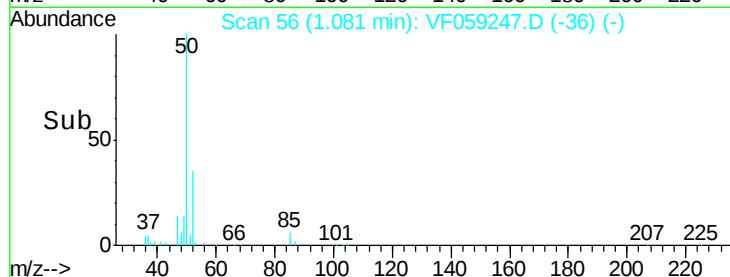
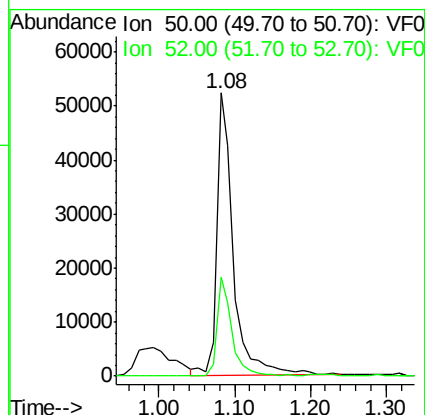
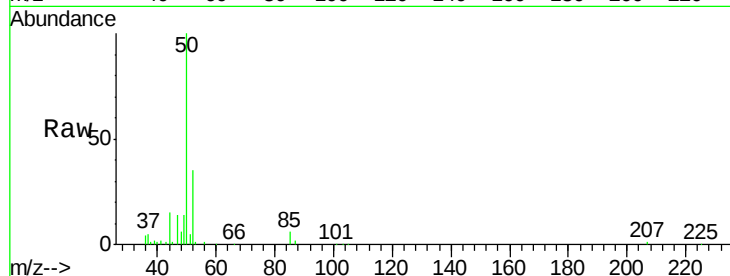
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 80641

Ion Ratio Lower Upper

50 100

52 35.1 27.3 40.9



#4

Vinyl Chloride

Concen: 44.105 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059247.D

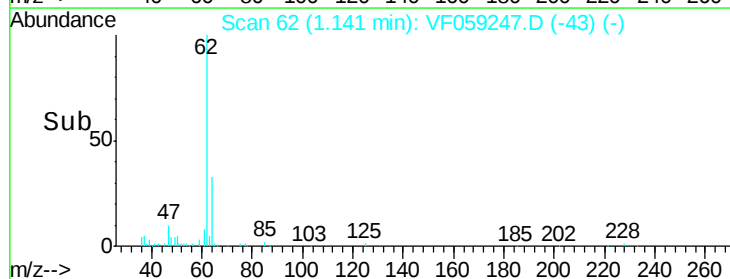
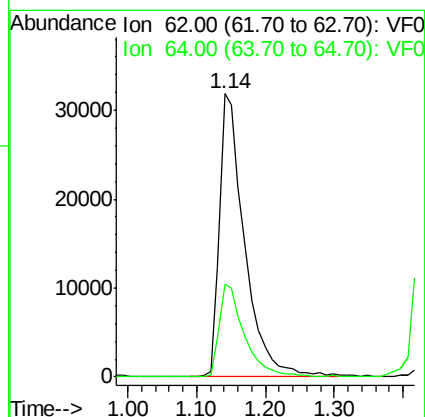
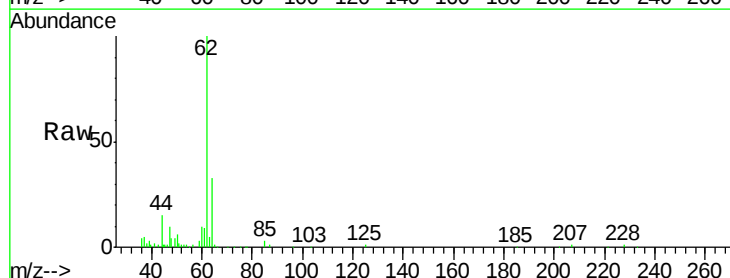
Acq: 21 Jun 2018 2:33

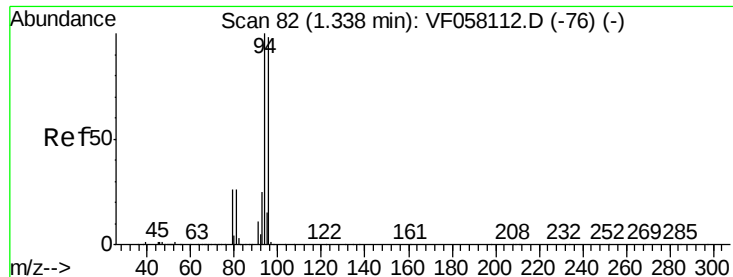
Tgt Ion: 62 Resp: 80480

Ion Ratio Lower Upper

62 100

64 32.7 25.0 37.6





#5

Bromomethane

Concen: 42.506 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

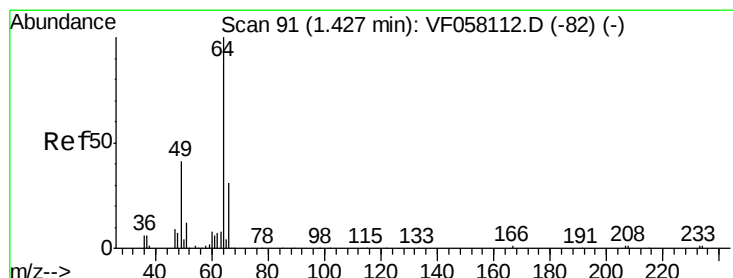
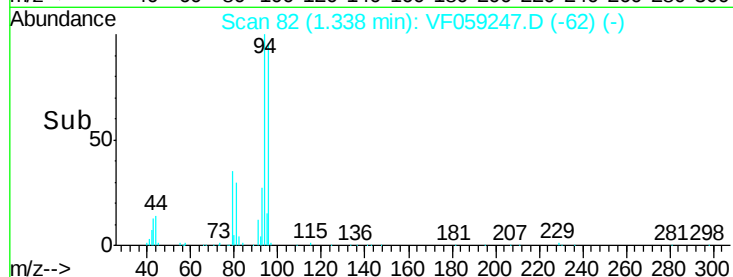
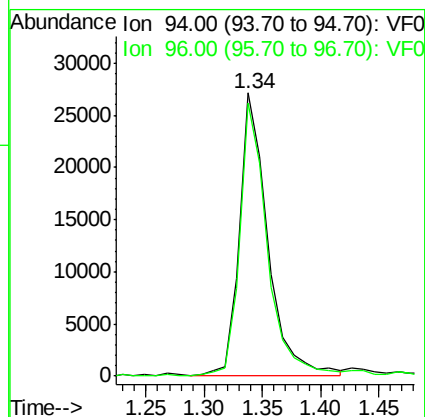
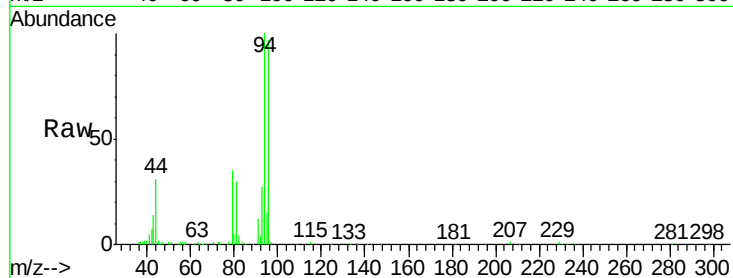
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 94 Resp: 45194

Ion Ratio Lower Upper

94 100

96 96.6 78.6 117.8



#6

Chloroethane

Concen: 48.499 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.00 min

Lab File: VF059247.D

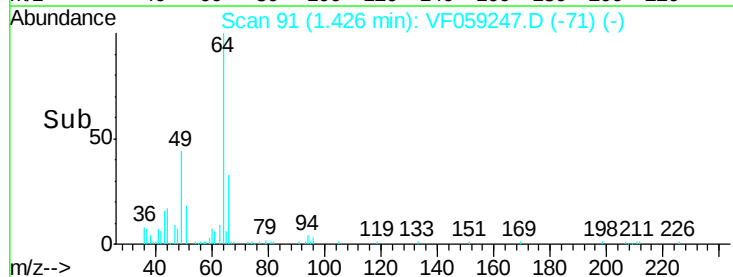
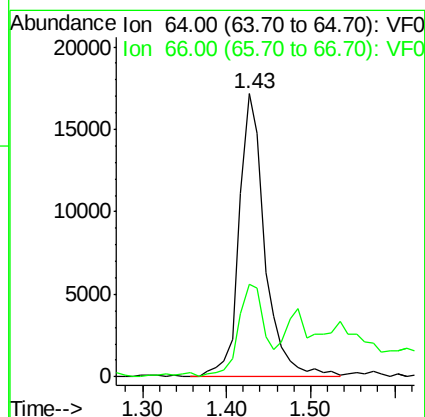
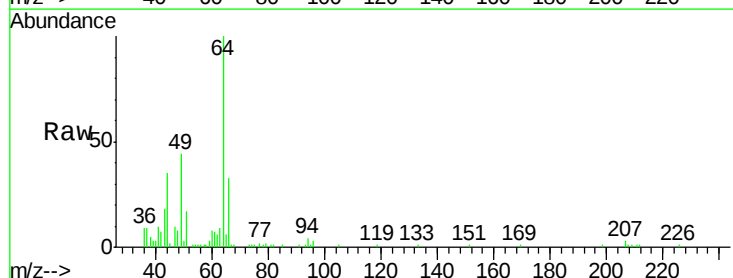
Acq: 21 Jun 2018 2:33

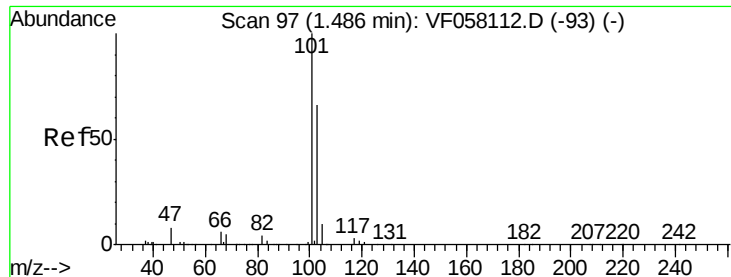
Tgt Ion: 64 Resp: 36720

Ion Ratio Lower Upper

64 100

66 32.8 24.9 37.3





#7

Trichlorofluoromethane

Concen: 18.318 ug/l

RT: 1.49 min Scan# 97

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

Instrument :

MSVOA_F

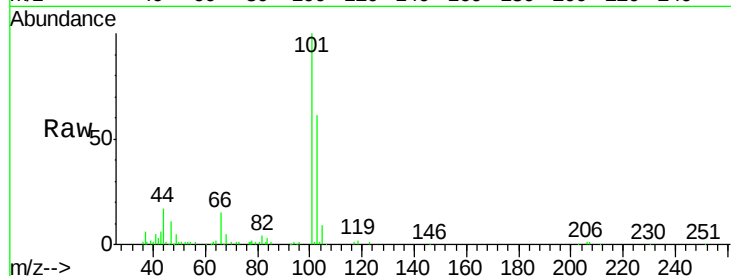
ClientSampleId :

Tot Ion:101 Resp: 51958

Ion Ratio Lower Upper

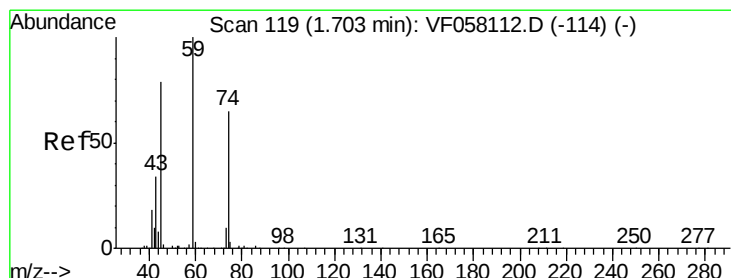
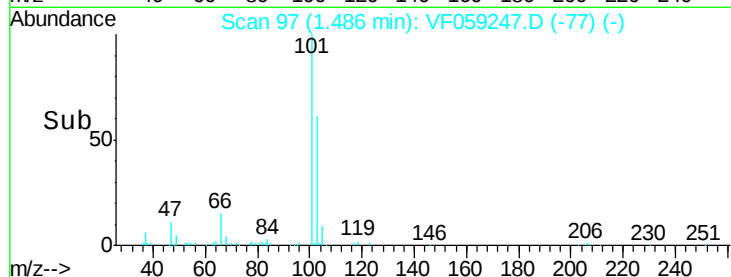
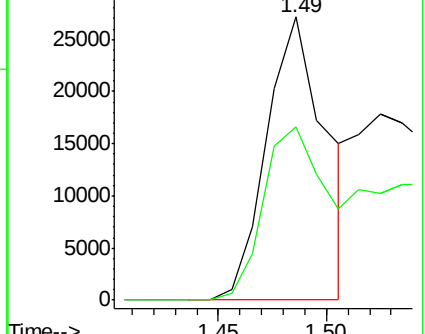
101 100

103 61.2 53.4 80.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 55.711 ug/l

RT: 1.70 min Scan# 119

Delta R.T. -0.00 min

Lab File: VF059247.D

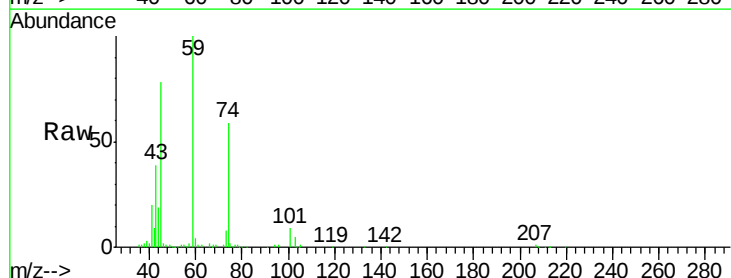
Acq: 21 Jun 2018 2:33

Tgt Ion: 74 Resp: 39757

Ion Ratio Lower Upper

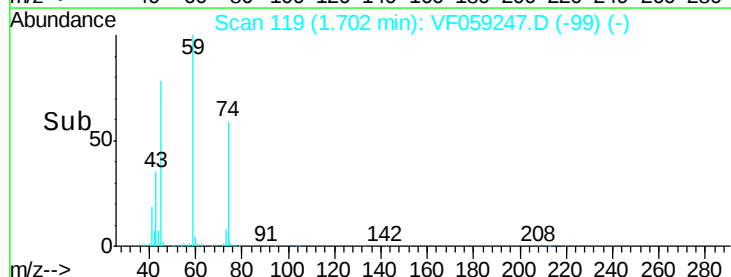
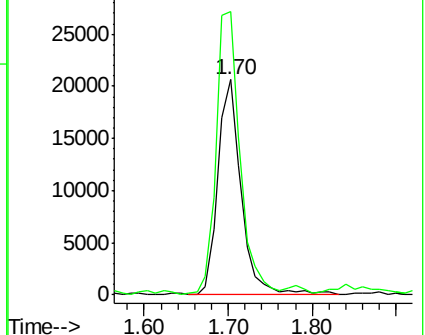
74 100

45 131.6 61.5 184.4



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.018 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

Instrument :

MSVOA_F

ClientSampleId :

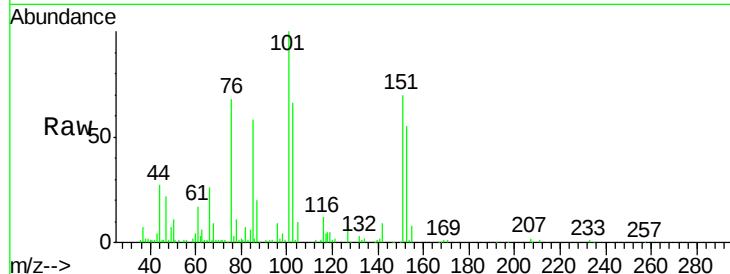
Tot Ion:101 Resp: 84994

Ion Ratio Lower Upper

101 100

85 58.3 42.2 63.4

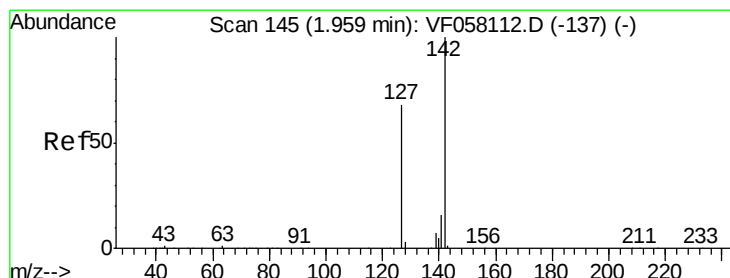
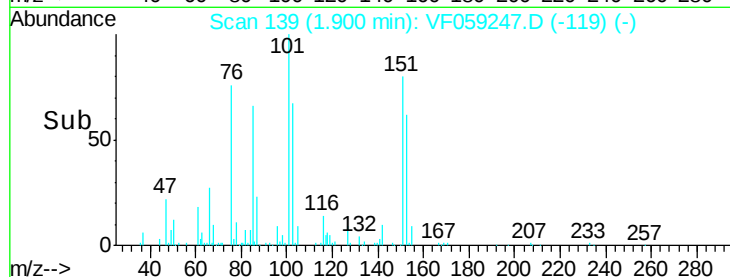
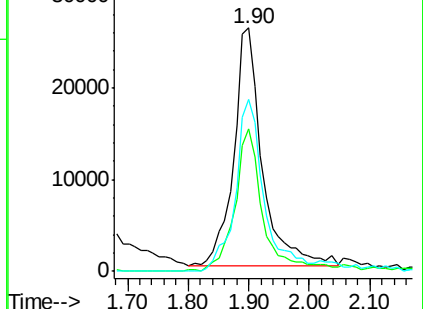
151 70.5 56.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 49.904 ug/l

RT: 1.97 min Scan# 146

Delta R.T. 0.01 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

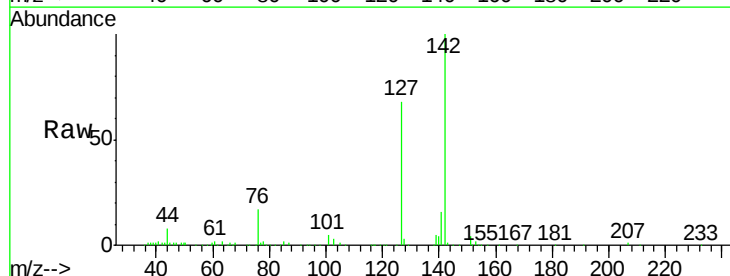
Tgt Ion:142 Resp: 157846

Ion Ratio Lower Upper

142 100

127 68.5 54.1 81.1

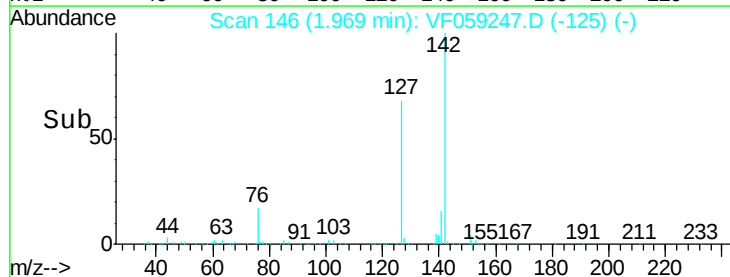
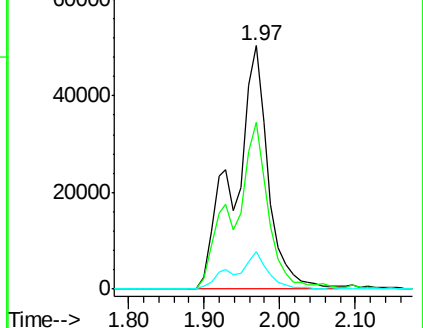
141 15.6 13.0 19.4

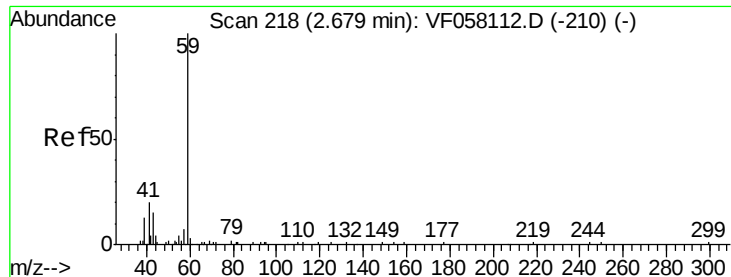


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



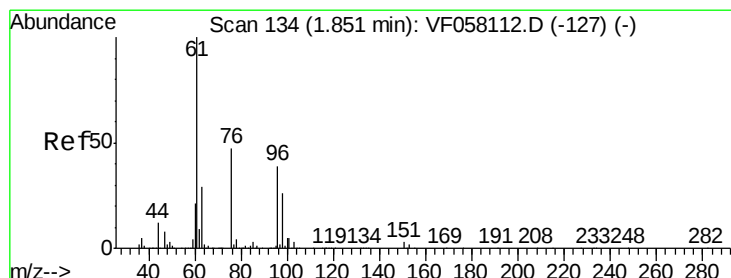
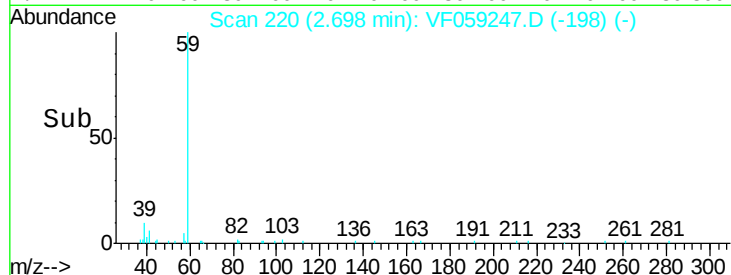
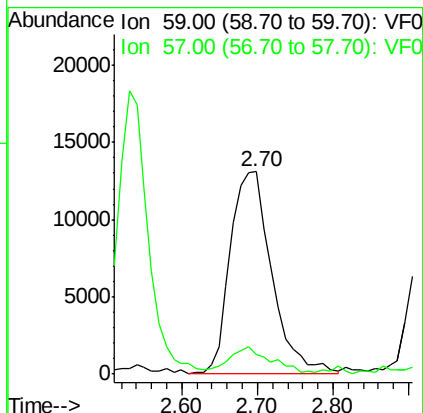
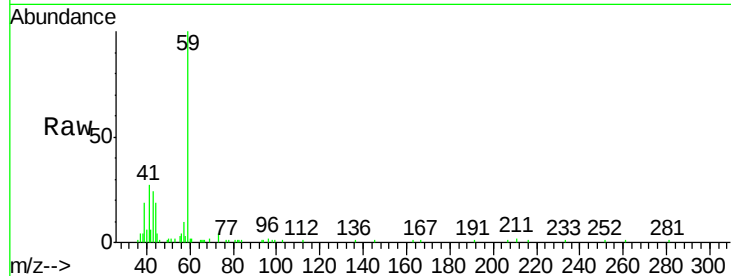


#11

Tert butyl alcohol
Concen: 279.377 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.02 min
Lab File: VF059247.D
Acq: 21 Jun 2018 2:33

Instrument :
MSVOA_F
ClientSampled :

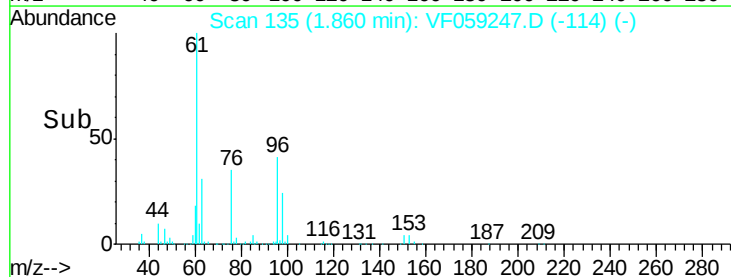
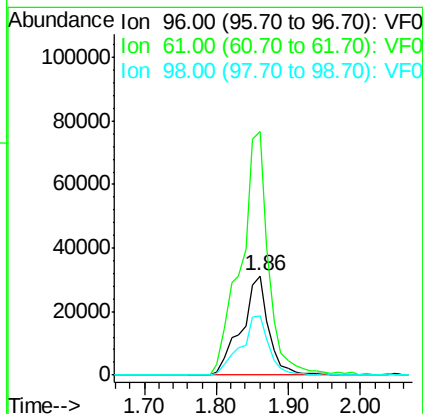
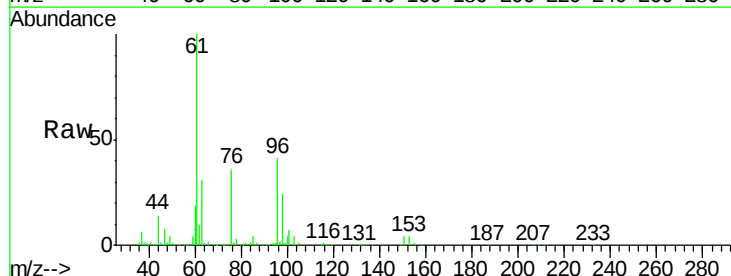
Tot Ion: 59 Resp: 50084
Ion Ratio Lower Upper
59 100
57 9.6 8.7 13.1

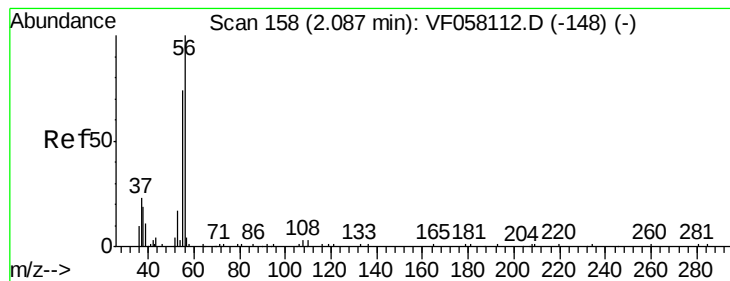


#12

1,1-Dichloroethene
Concen: 54.522 ug/l
RT: 1.86 min Scan# 135
Delta R.T. 0.01 min
Lab File: VF059247.D
Acq: 21 Jun 2018 2:33

Tgt Ion: 96 Resp: 82879
Ion Ratio Lower Upper
96 100
61 244.9 203.0 304.4
98 59.3 52.7 79.1





#13

Acrolein

Concen: 213.887 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

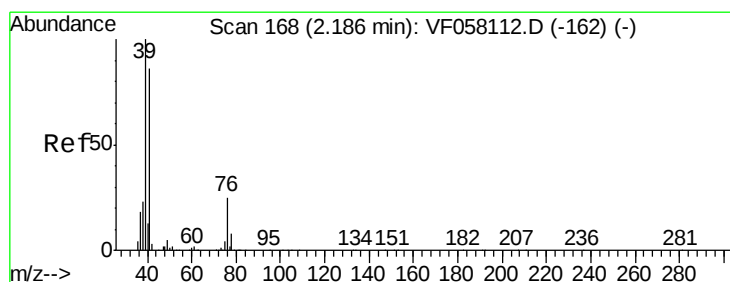
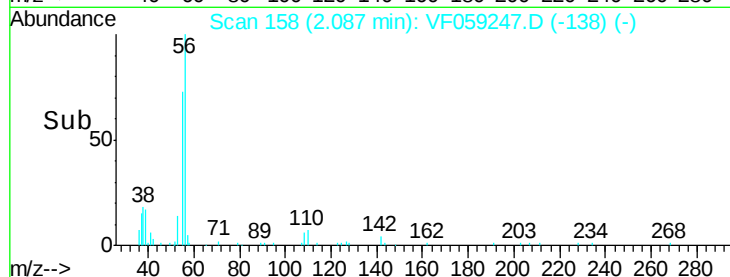
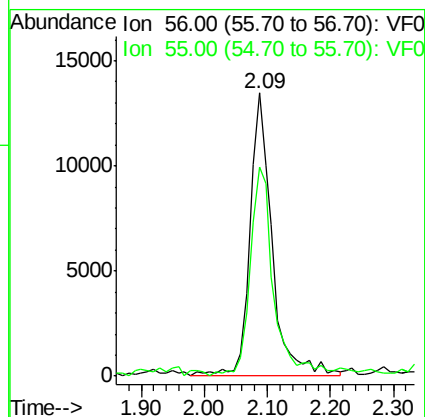
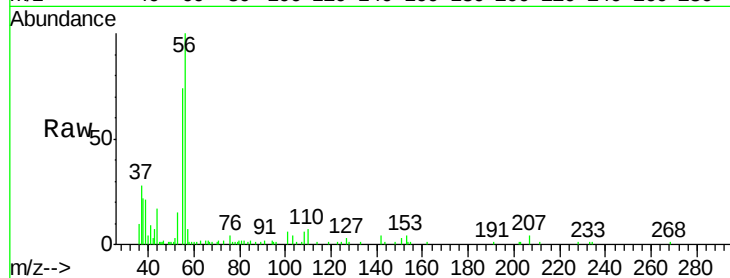
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 33188

Ion Ratio Lower Upper

56 100

55 73.8 60.0 90.0



#14

Allyl chloride

Concen: 48.320 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

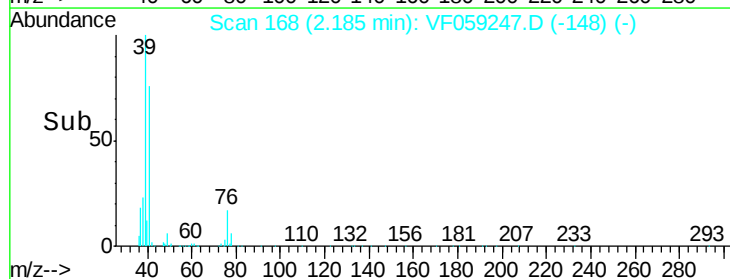
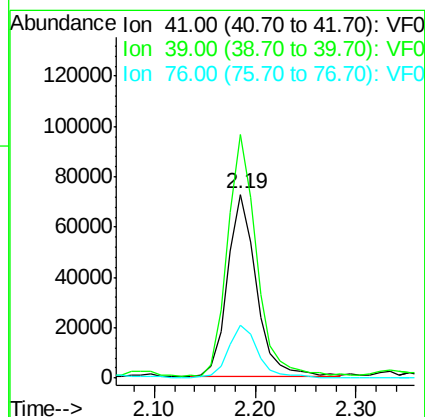
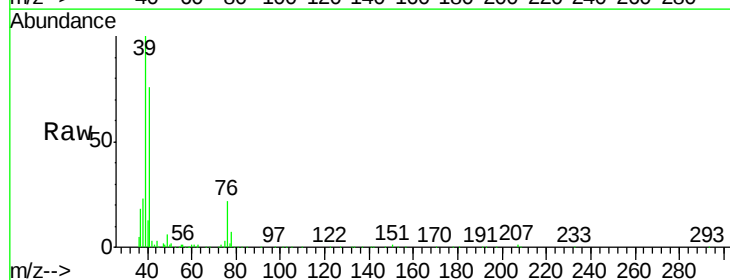
Tgt Ion: 41 Resp: 144164

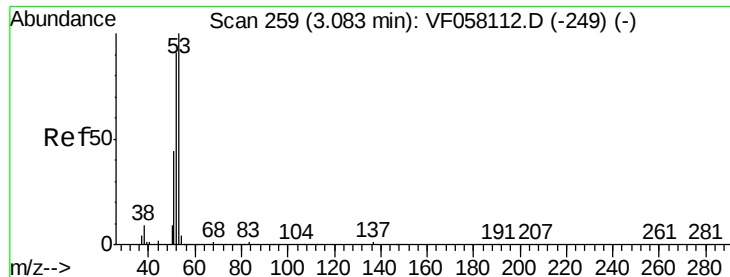
Ion Ratio Lower Upper

41 100

39 132.3 93.5 140.3

76 29.0 23.9 35.9





#15

Acrylonitrile

Concen: 287.177 ug/l

RT: 3.08 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

Instrument :

MSVOA_F

ClientSampleId :

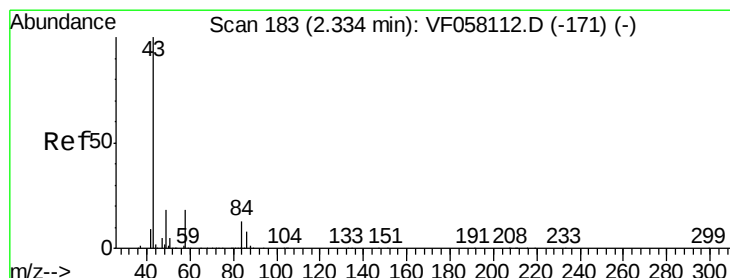
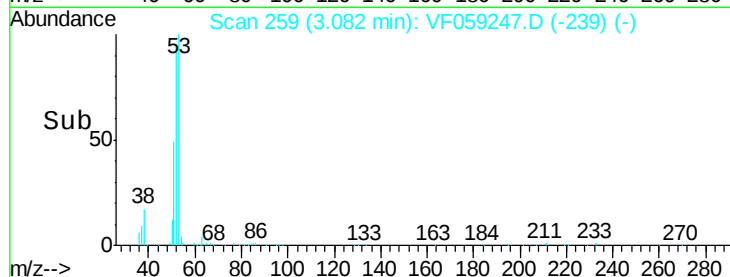
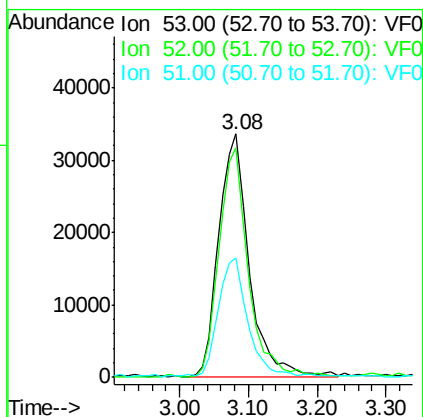
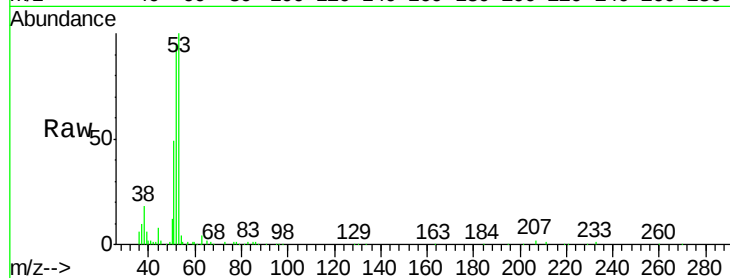
Tot Ion: 53 Resp: 102248

Ion Ratio Lower Upper

53 100

52 94.4 73.2 109.8

51 48.9 35.6 53.4



#16

Acetone

Concen: 242.076 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.00 min

Lab File: VF059247.D

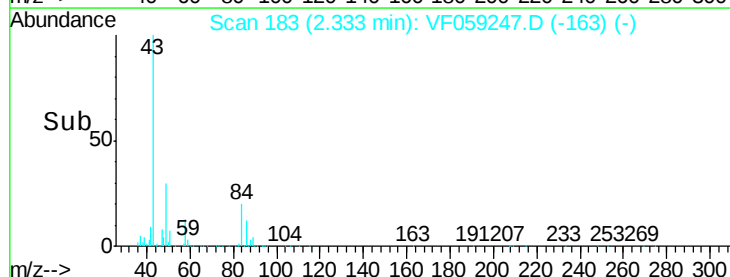
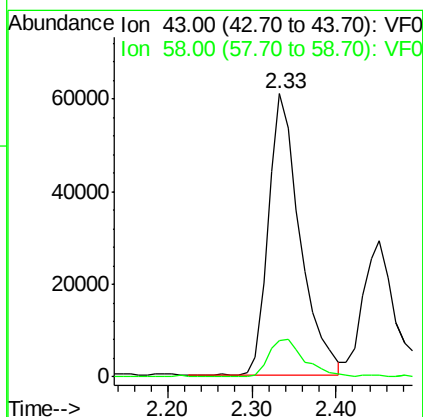
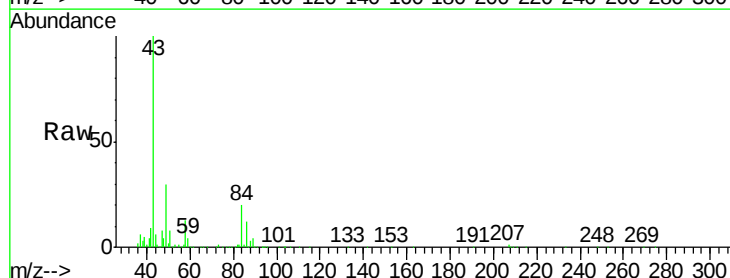
Acq: 21 Jun 2018 2:33

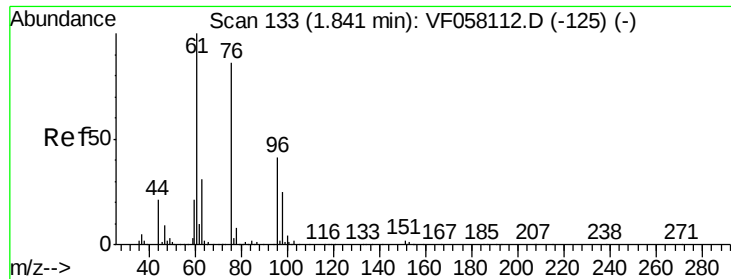
Tgt Ion: 43 Resp: 161713

Ion Ratio Lower Upper

43 100

58 12.7 14.4 21.6#

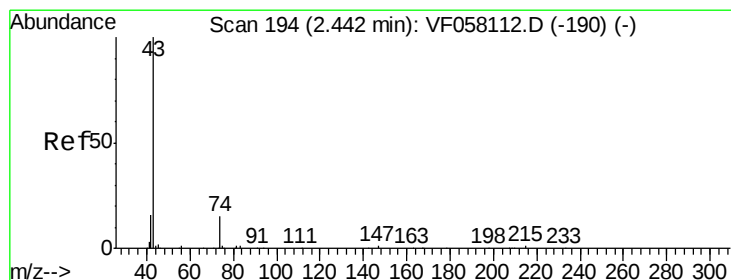
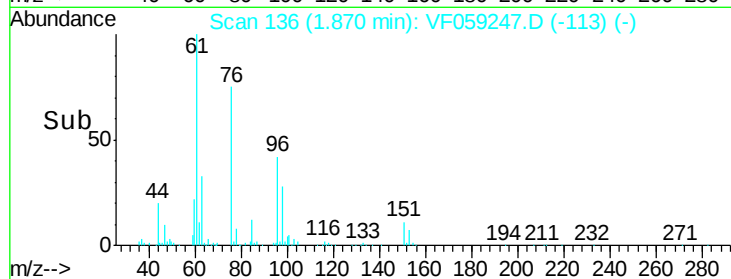
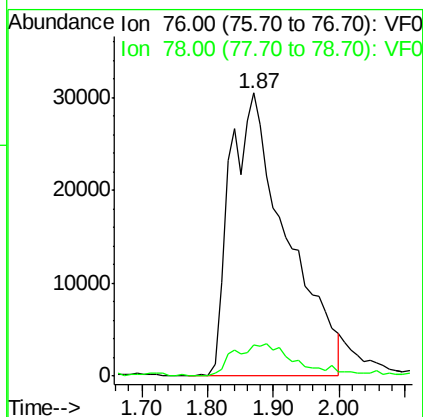
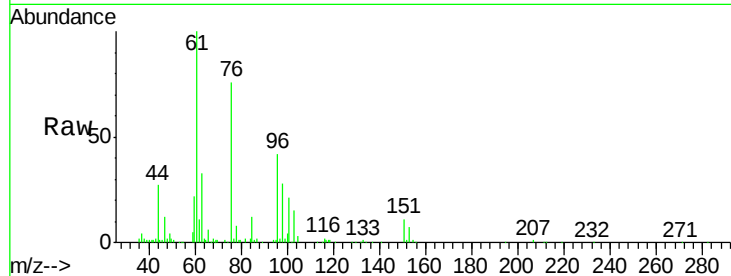




#17
Carbon Disulfide
Concen: 43.137 ug/l
RT: 1.87 min Scan# 136
Delta R.T. 0.03 min
Lab File: VF059247.D
Acq: 21 Jun 2018 2:33

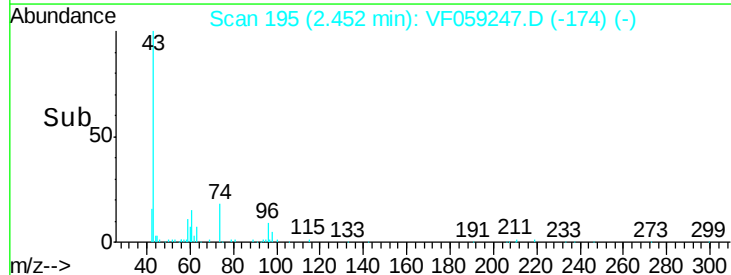
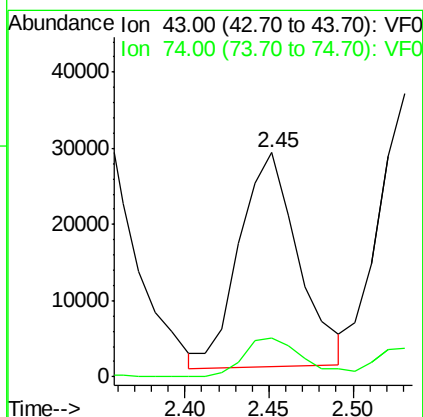
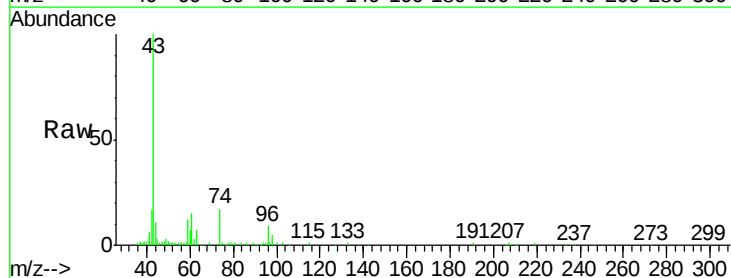
Instrument :
MSVOA_F
ClientSampleId :

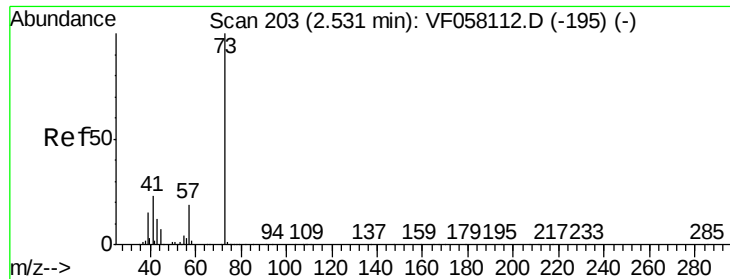
Tot Ion: 76 Resp: 184107
Ion Ratio Lower Upper
76 100
78 10.9 7.8 11.8



#18
Methyl Acetate
Concen: 59.568 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.01 min
Lab File: VF059247.D
Acq: 21 Jun 2018 2:33

Tgt Ion: 43 Resp: 68408
Ion Ratio Lower Upper
43 100
74 17.4 10.9 16.3#



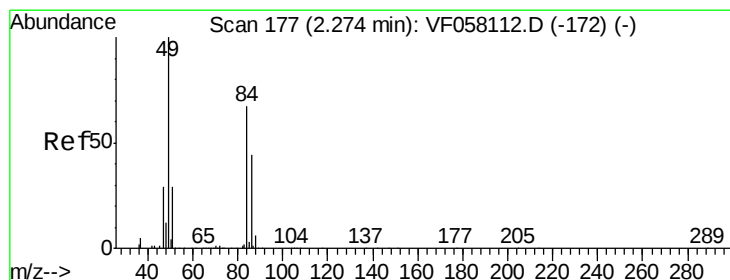
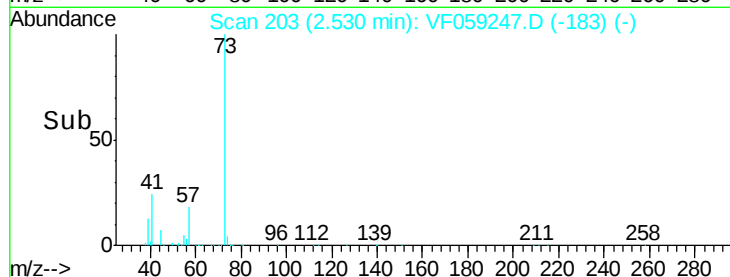
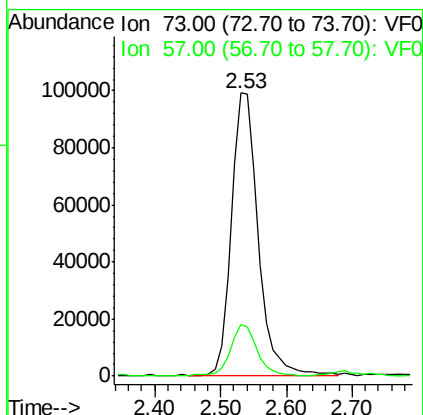
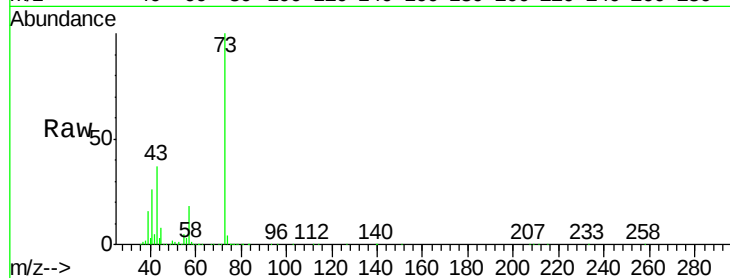


#19

Methyl tert-butyl Ether
 Concen: 60.406 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. -0.00 min
 Lab File: VF059247.D
 Acq: 21 Jun 2018 2:33

Instrument :
 MSVOA_F
 ClientSampleId :

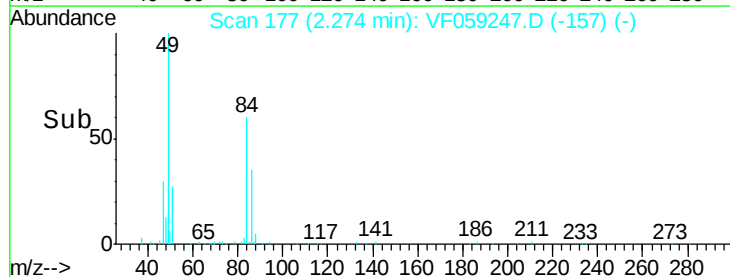
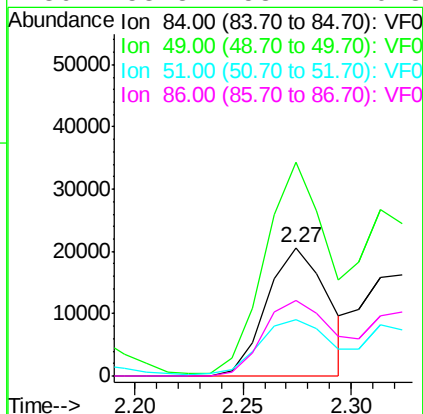
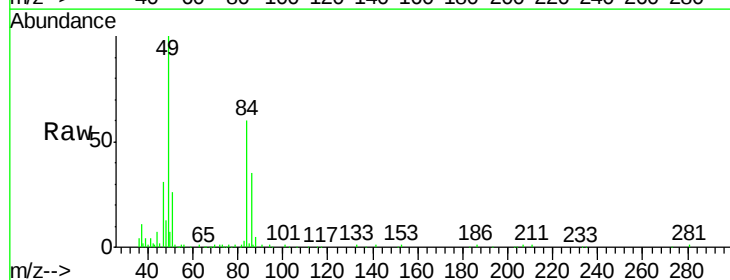
Tot Ion: 73 Resp: 285051
 Ion Ratio Lower Upper
 73 100
 57 18.5 15.0 22.4

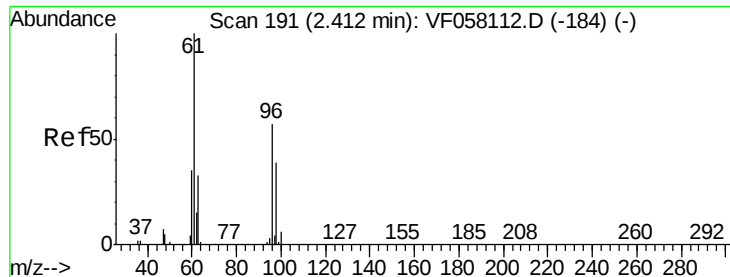


#20

Methylene Chloride
 Concen: 25.318 ug/l
 RT: 2.27 min Scan# 177
 Delta R.T. -0.00 min
 Lab File: VF059247.D
 Acq: 21 Jun 2018 2:33

Tgt Ion: 84 Resp: 40497
 Ion Ratio Lower Upper
 84 100
 49 166.2 121.0 181.4
 51 44.0 35.8 53.6
 86 58.8 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 50.865 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.00 min

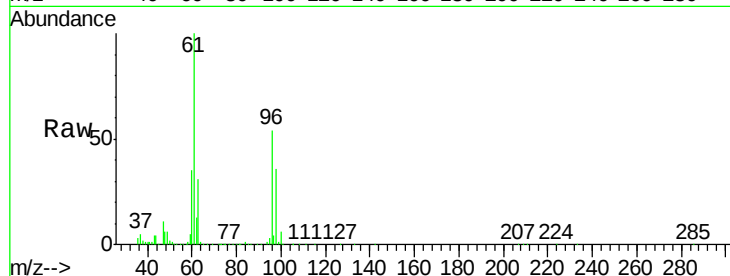
Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 96 Resp: 84797

Ion	Ratio	Lower	Upper
96	100		
61	184.3	139.4	209.2
98	66.7	54.0	81.0

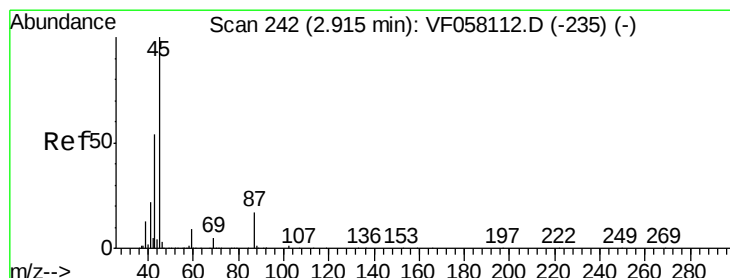
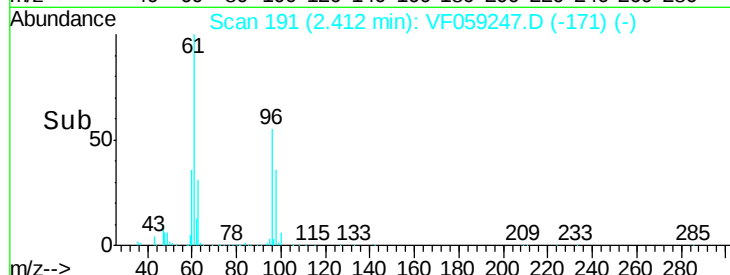
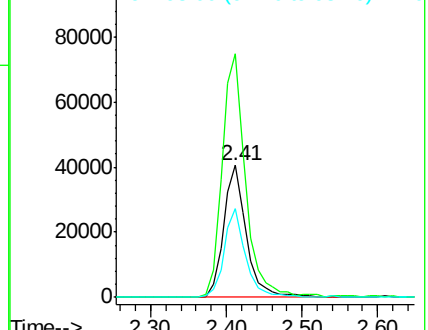


Abundance

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: 54.279 ug/l

RT: 2.92 min Scan# 243

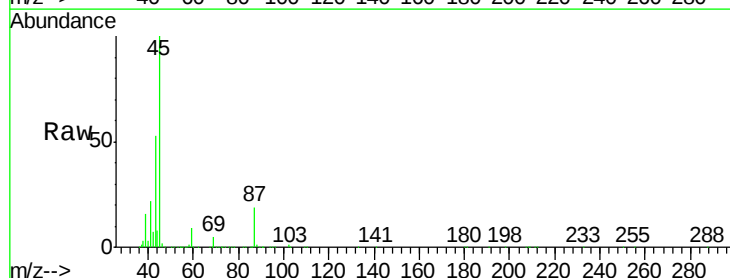
Delta R.T. 0.01 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

Tgt Ion: 45 Resp: 318342

Ion	Ratio	Lower	Upper
45	100		
43	53.3	43.2	64.8
87	19.2	13.8	20.6
59	9.1	7.5	11.3



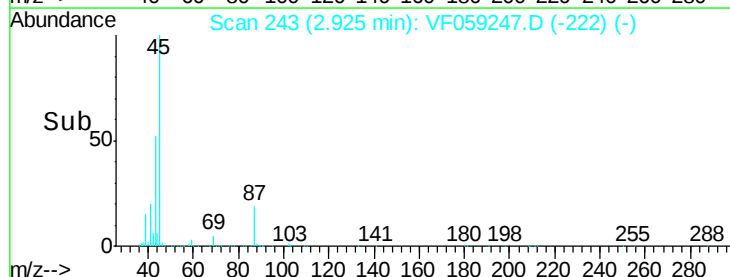
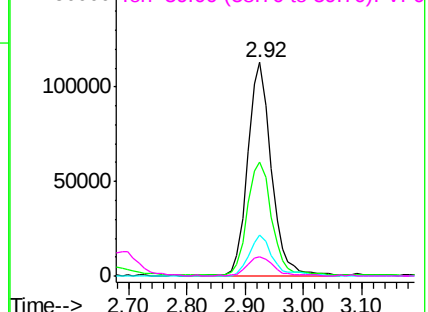
Abundance

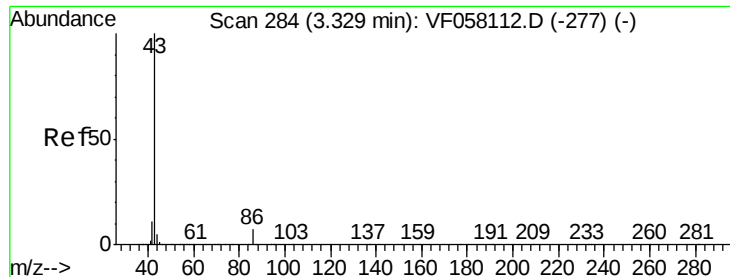
Ion 45.00 (44.70 to 45.70): VF0

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: 257.993 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

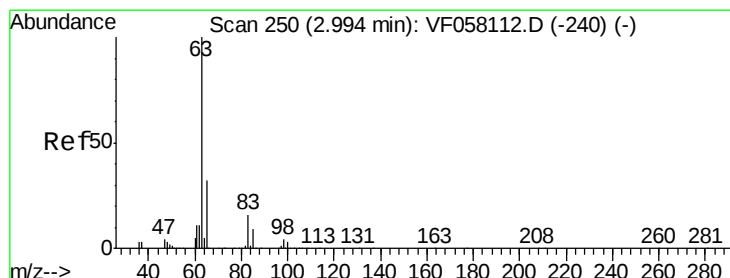
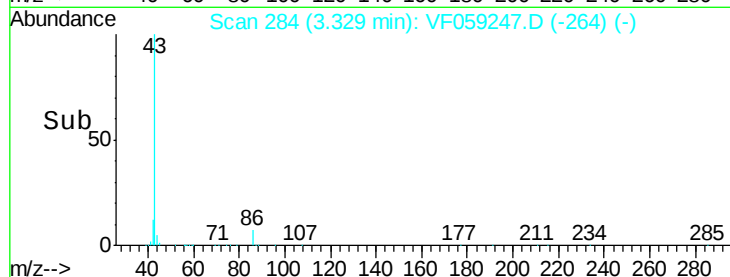
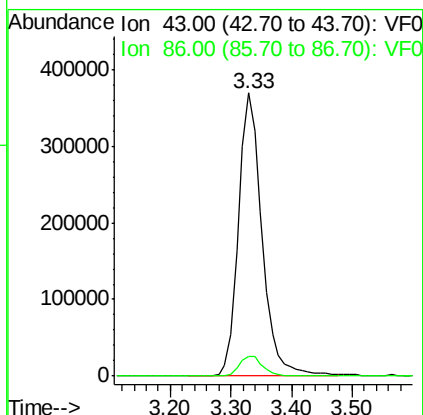
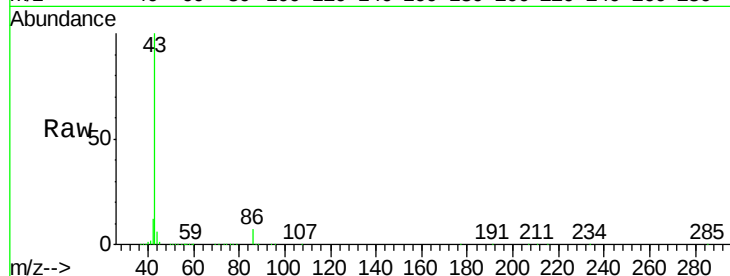
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 997659

Ion Ratio Lower Upper

43 100

86 7.0 6.0 9.0



#24

1,1-Dichloroethane

Concen: 55.153 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

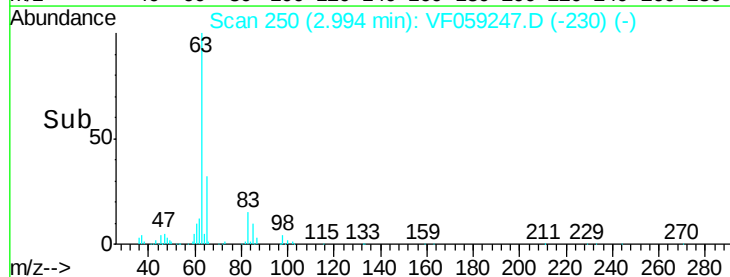
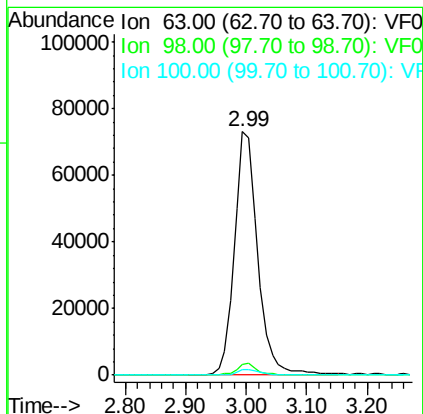
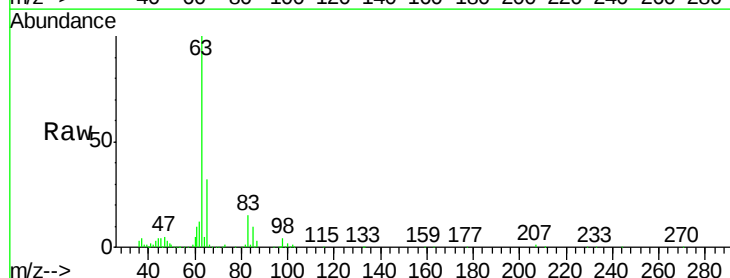
Tgt Ion: 63 Resp: 196104

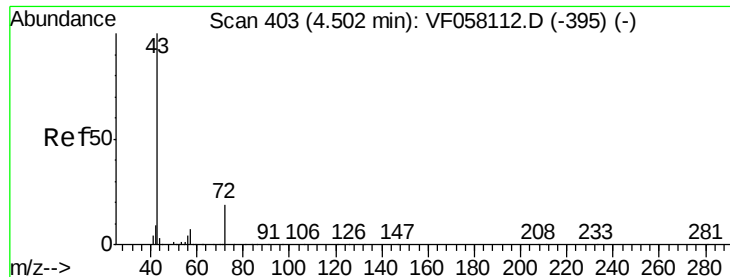
Ion Ratio Lower Upper

63 100

98 4.2 2.0 6.0

100 2.0 1.4 4.0





#25

2-Butanone

Concen: 226.209 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.01 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

Instrument :

MSVOA_F

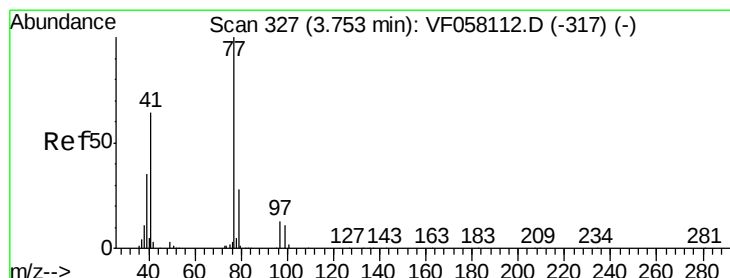
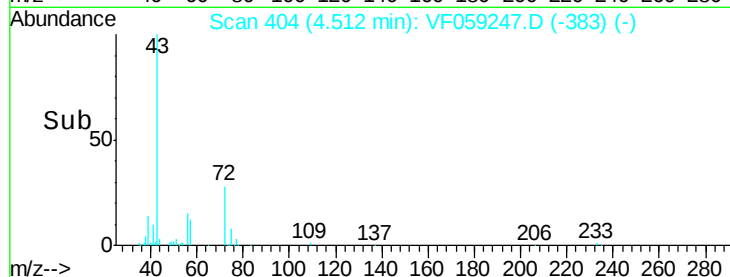
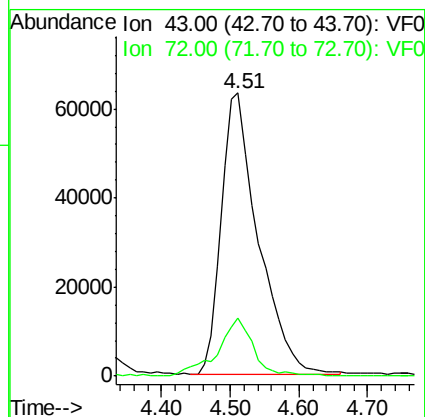
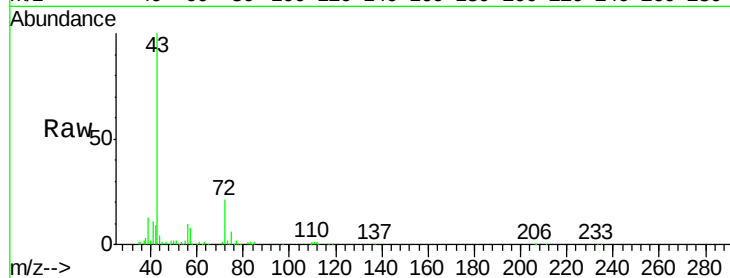
ClientSampleId :

Tot Ion: 43 Resp: 234278

Ion Ratio Lower Upper

43 100

72 20.6 16.1 24.1



#26

2,2-Dichloropropane

Concen: 48.577 ug/l

RT: 3.76 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF059247.D

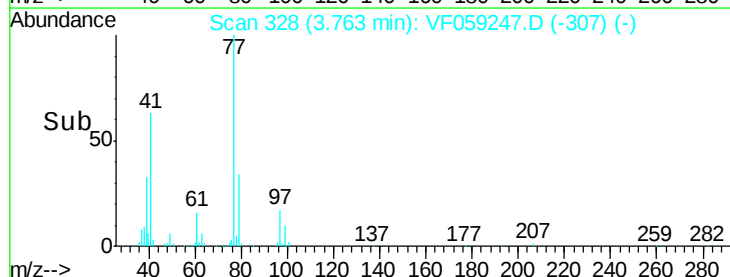
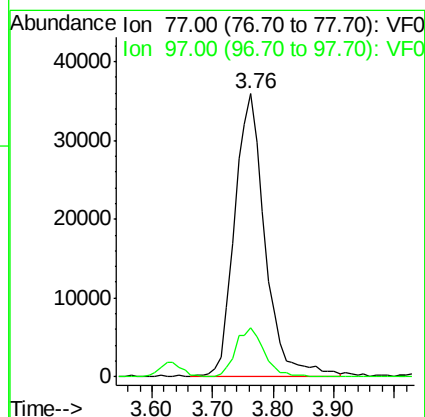
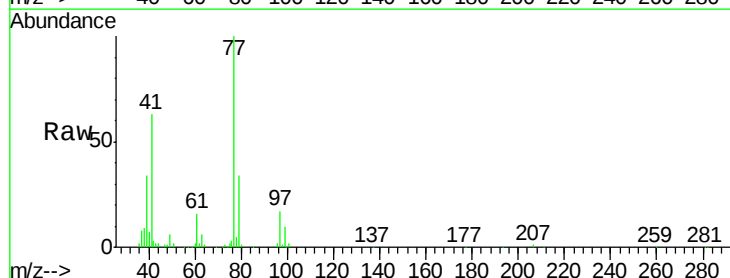
Acq: 21 Jun 2018 2:33

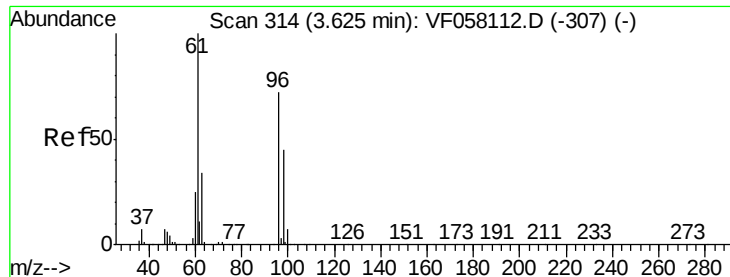
Tgt Ion: 77 Resp: 125308

Ion Ratio Lower Upper

77 100

97 17.2 7.2 21.6



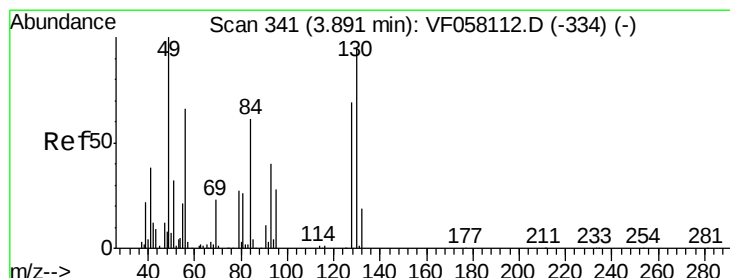
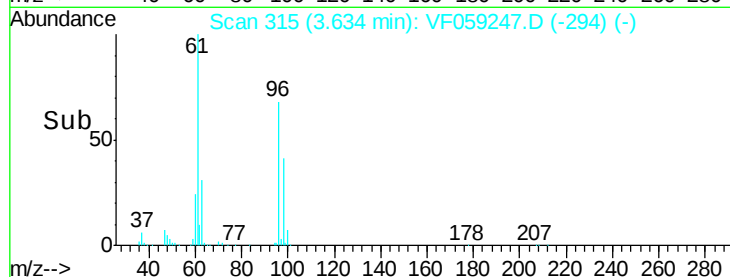
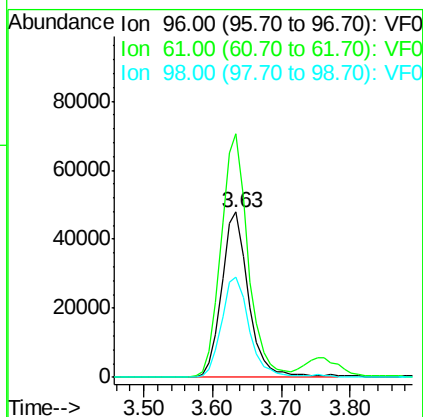
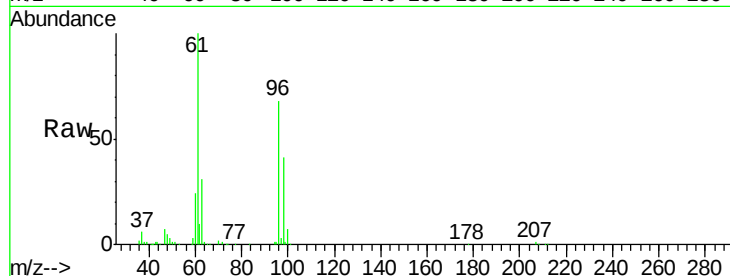


#27

cis-1,2-Dichloroethene
Concen: 50.793 ug/l
RT: 3.63 min Scan# 315
Delta R.T. 0.01 min
Lab File: VF059247.D
Acq: 21 Jun 2018 2:33

Instrument :
MSVOA_F
ClientSampleId :

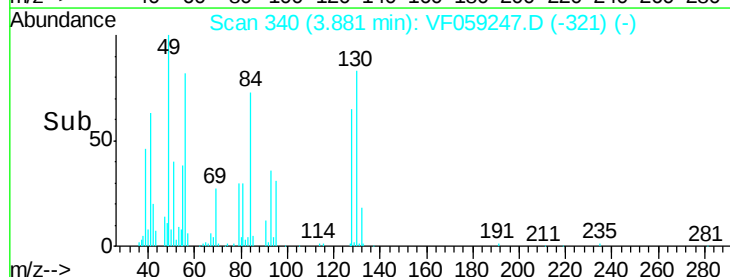
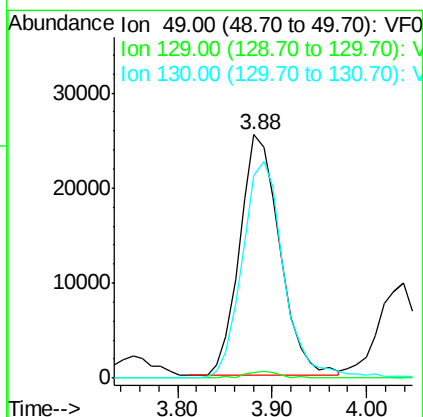
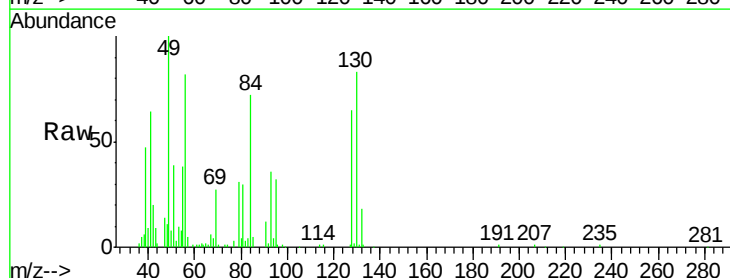
Tot Ion	Ratio	Lower	Upper
96	100		
61	147.3	0.0	278.6
98	60.6	0.0	125.2

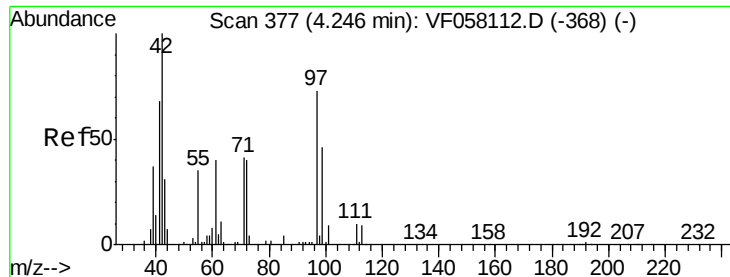


#28

Bromochloromethane
Concen: 46.739 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF059247.D
Acq: 21 Jun 2018 2:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	0.0#
130	83.0	75.8	113.8





#29

Tetrahydrofuran

Concen: 246.879 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.01 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

Instrument :

MSVOA_F

ClientSampleId :

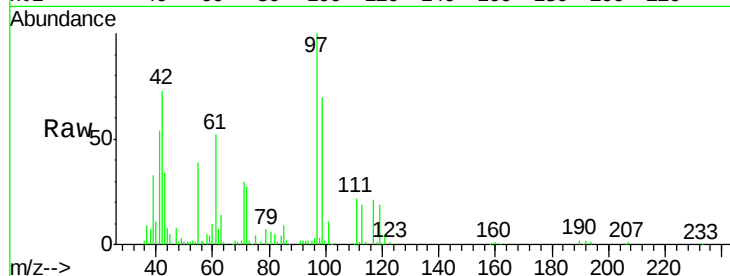
Tot Ion: 42 Resp: 112662

Ion Ratio Lower Upper

42 100

72 39.0 30.5 45.7

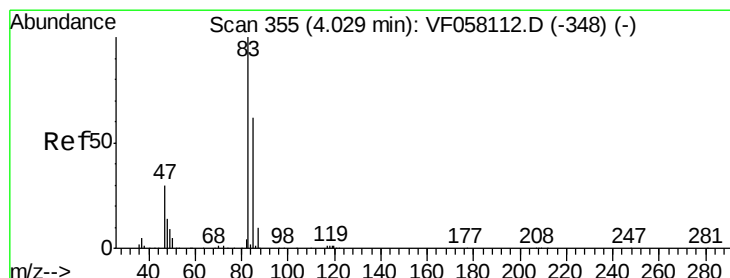
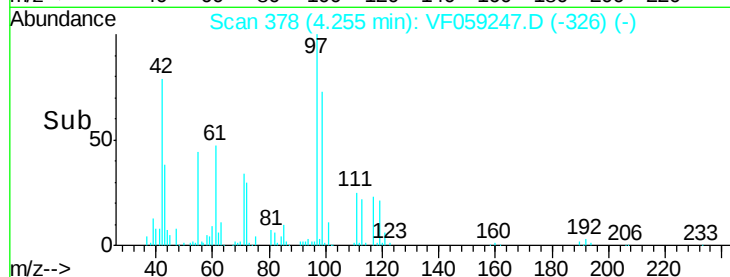
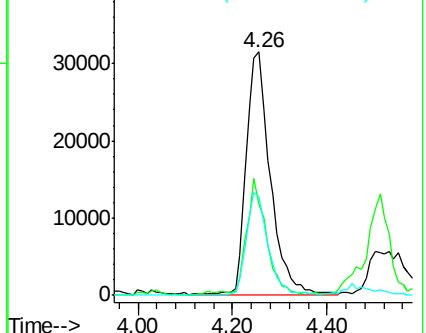
71 38.0 31.5 47.3



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 56.145 ug/l

RT: 4.03 min Scan# 355

Delta R.T. -0.00 min

Lab File: VF059247.D

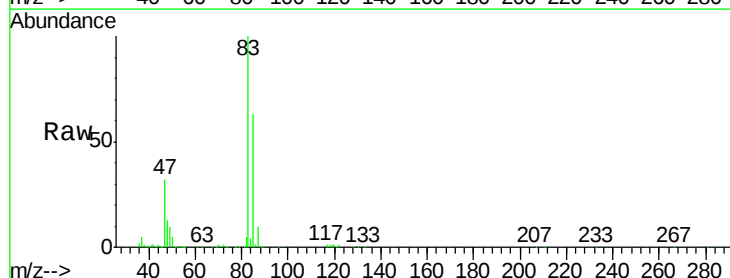
Acq: 21 Jun 2018 2:33

Tgt Ion: 83 Resp: 285579

Ion Ratio Lower Upper

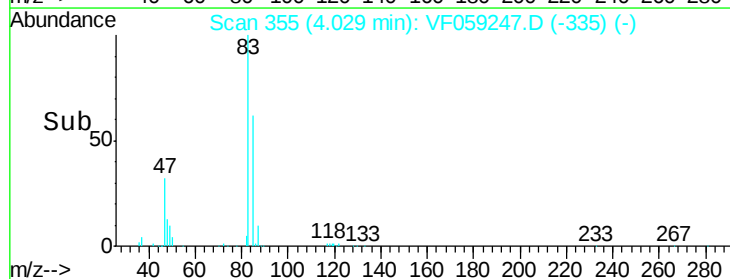
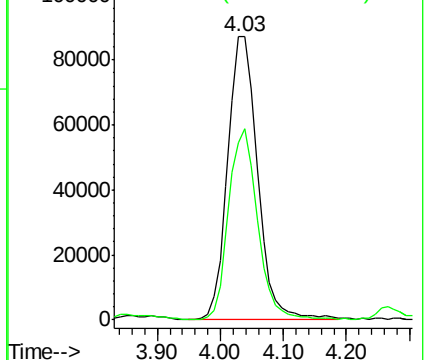
83 100

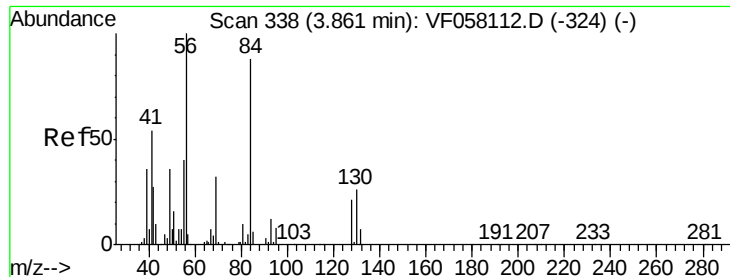
85 62.6 49.5 74.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 42.220 ug/l

RT: 3.86 min Scan# 338

Delta R.T. -0.00 min

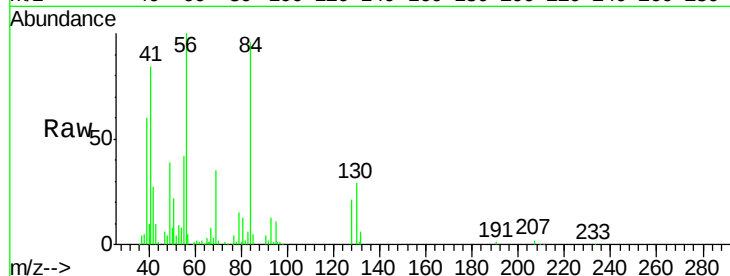
Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 131141

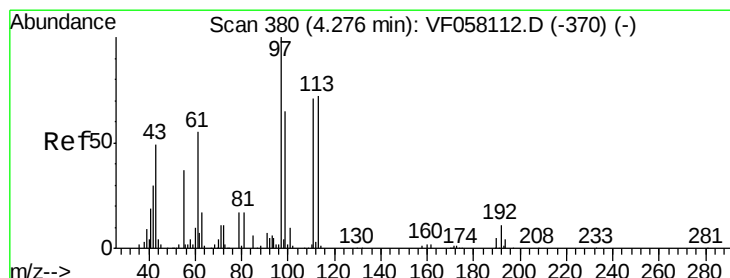
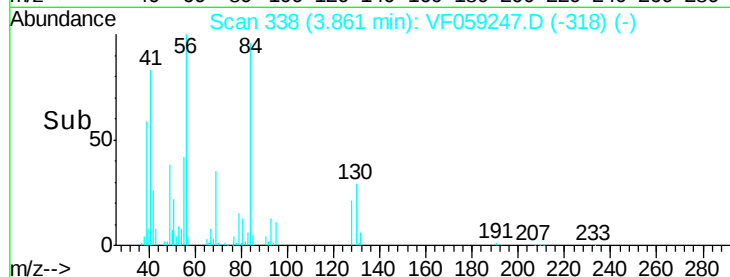
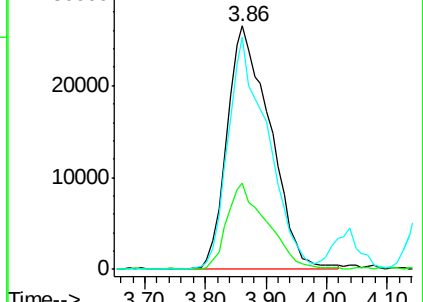
Ion	Ratio	Lower	Upper
56	100		
69	35.3	25.9	38.9
84	95.6	70.3	105.5



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 55.549 ug/l

RT: 4.27 min Scan# 379

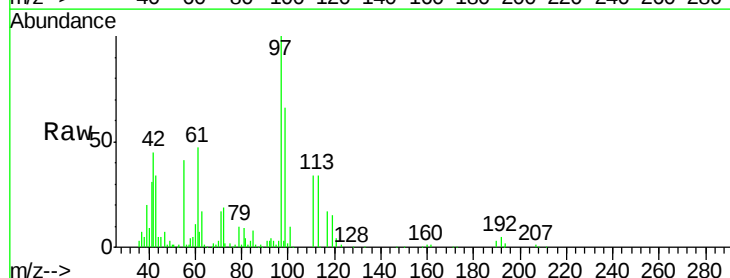
Delta R.T. -0.01 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

Tgt Ion: 97 Resp: 210938

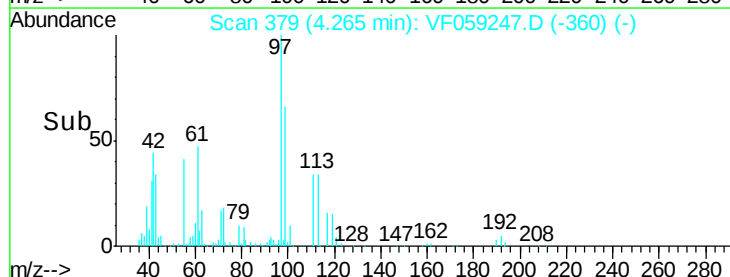
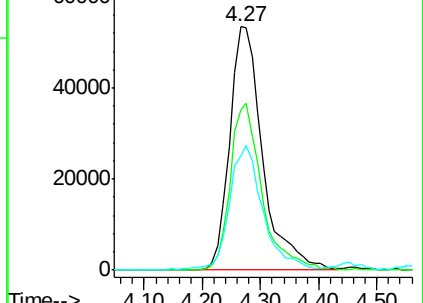
Ion	Ratio	Lower	Upper
97	100		
99	65.9	52.0	78.0
61	46.8	44.3	66.5

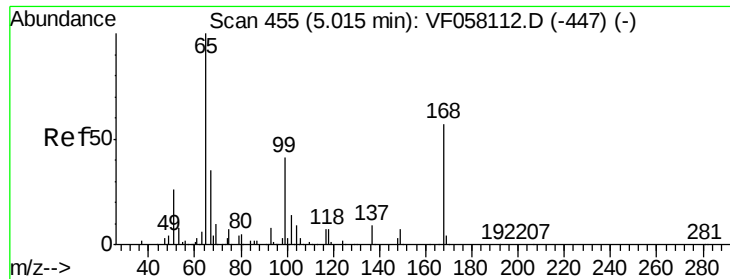


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

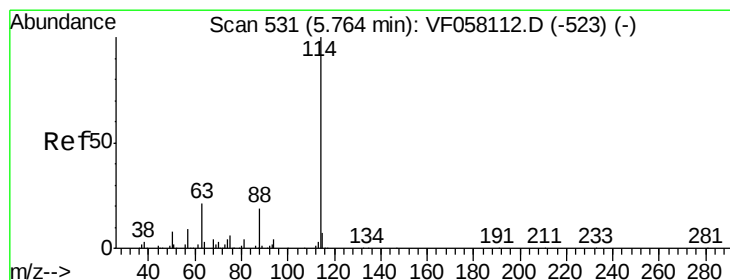
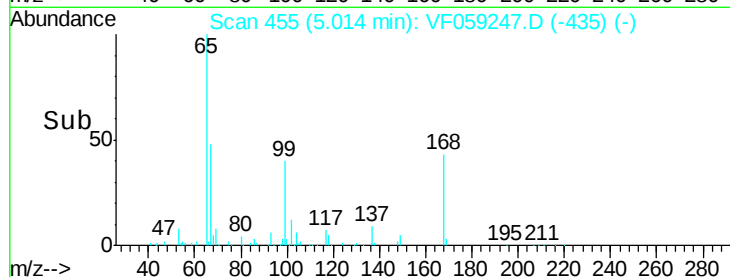
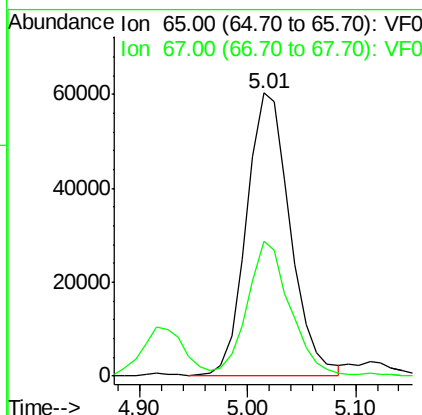
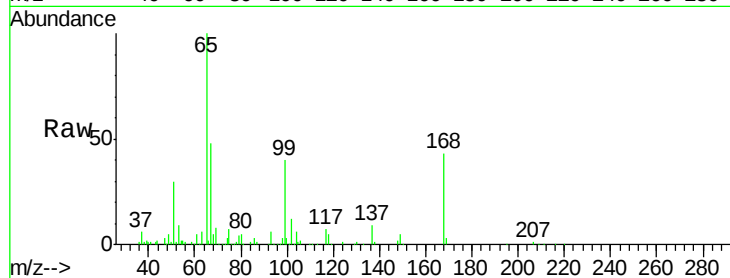




#33
 1,2-Dichloroethane-d4
 Concen: 60.348 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. -0.00 min
 Lab File: VF059247.D
 Acq: 21 Jun 2018 2:33

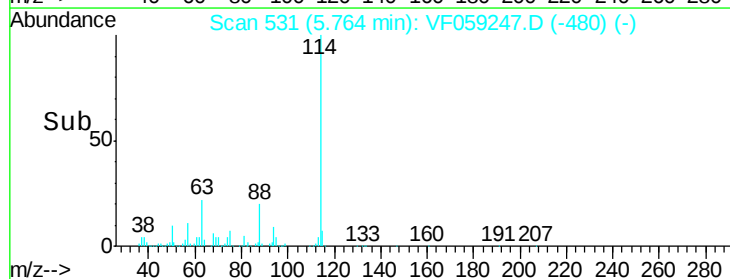
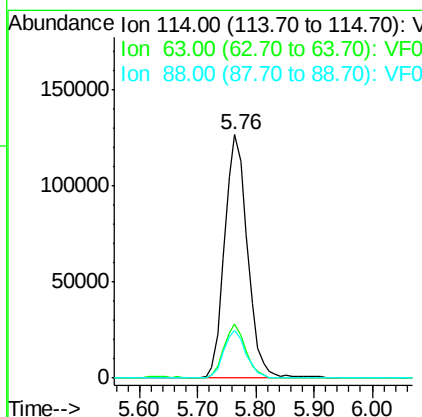
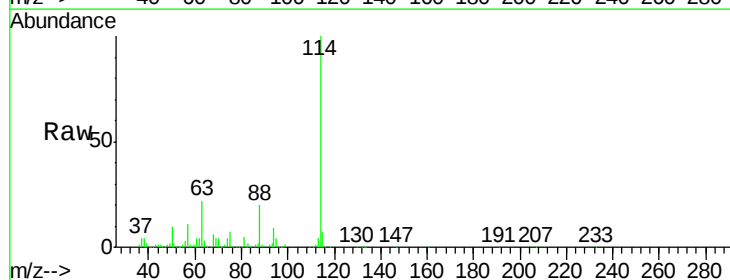
Instrument :
 MSVOA_F
 ClientSampleId :

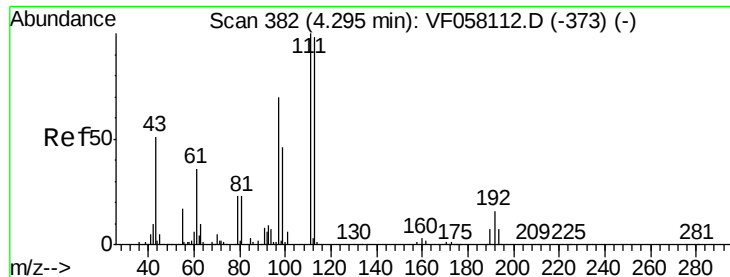
Tot Ion: 65 Resp: 168849
 Ion Ratio Lower Upper
 65 100
 67 47.8 0.0 97.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VF059247.D
 Acq: 21 Jun 2018 2:33

Tgt Ion: 114 Resp: 346927
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 41.6
 88 19.5 0.0 38.8





#35

Dibromofluoromethane

Concen: 58.671 ug/l

RT: 4.29 min Scan# 382

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

Instrument :
MSVOA_F
ClientSampled :

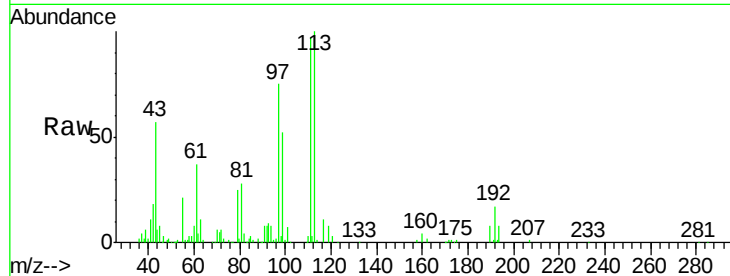
Tot Ion:113 Resp: 142822

Ion Ratio Lower Upper

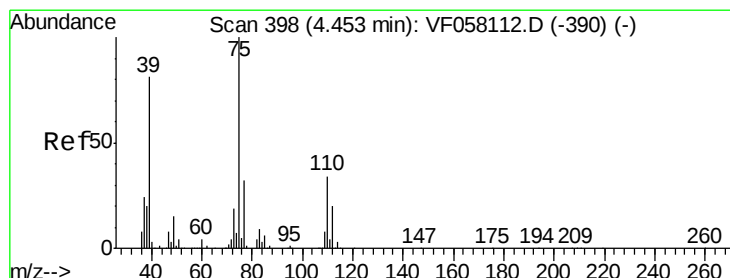
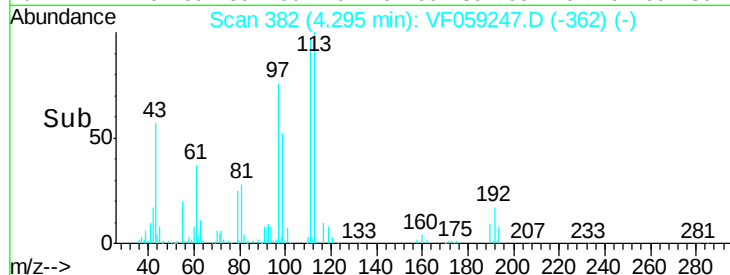
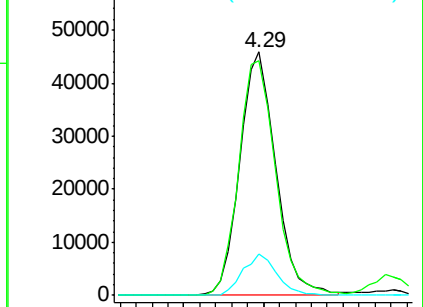
113 100

111 96.5 81.3 121.9

192 17.2 12.7 19.1



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: 51.405 ug/l

RT: 4.45 min Scan# 398

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

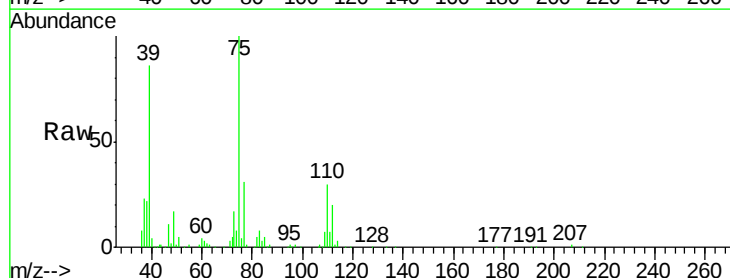
Tgt Ion: 75 Resp: 172862

Ion Ratio Lower Upper

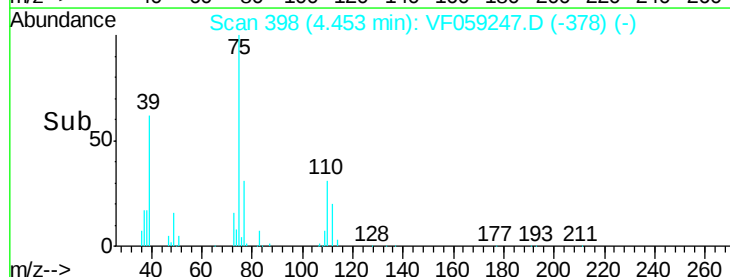
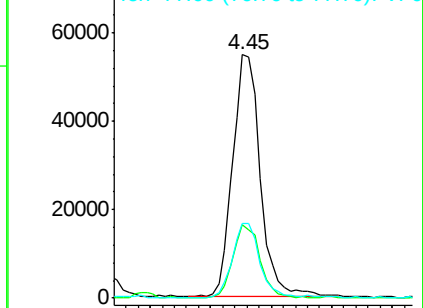
75 100

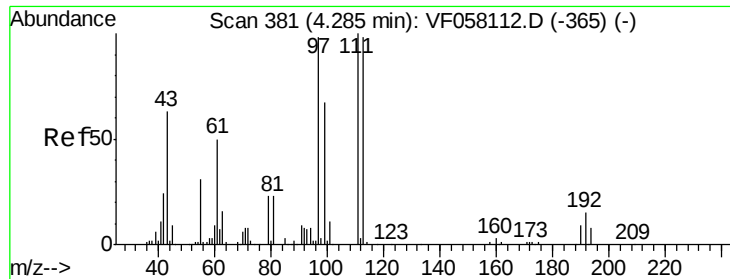
110 30.3 17.0 50.9

77 30.7 25.3 37.9



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

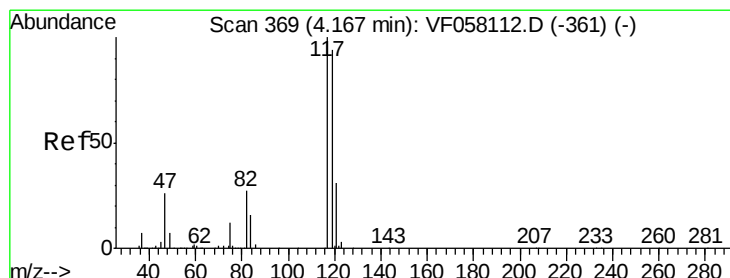
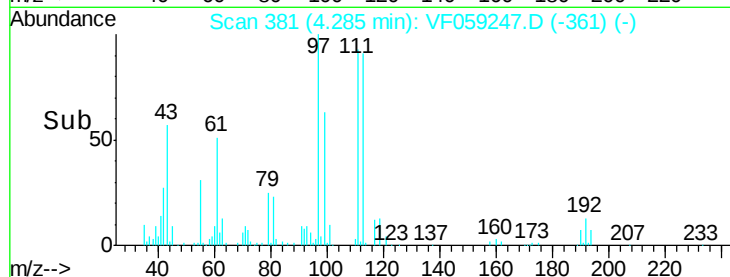
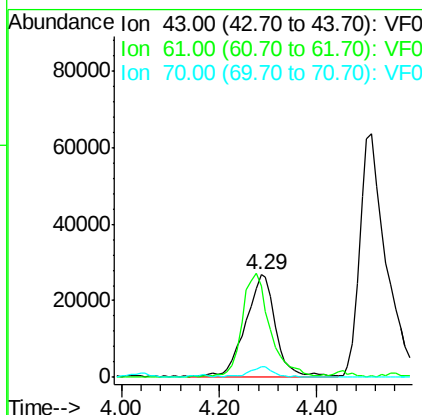
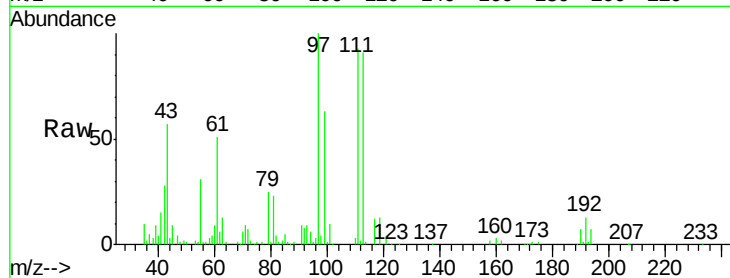




#37
Ethyl Acetate
Concen: 53.952 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.00 min
Lab File: VF059247.D
Acq: 21 Jun 2018 2:33

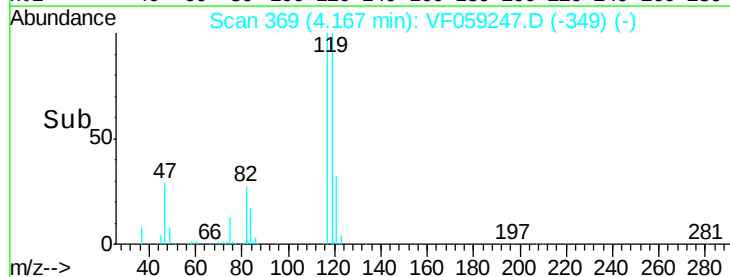
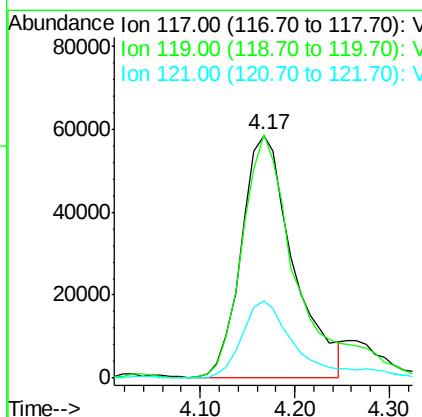
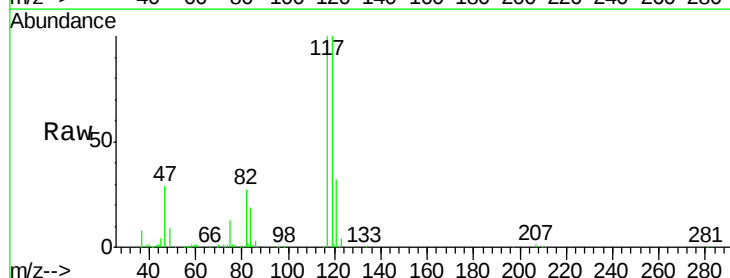
Instrument :
MSVOA_F
ClientSampleId :

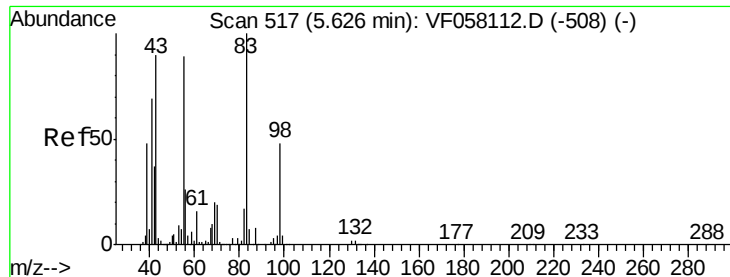
Tot Ion: 43 Resp: 112101
Ion Ratio Lower Upper
43 100
61 89.4 63.0 94.4
70 10.0 7.5 11.3



#38
Carbon Tetrachloride
Concen: 60.678 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.00 min
Lab File: VF059247.D
Acq: 21 Jun 2018 2:33

Tgt Ion: 117 Resp: 221138
Ion Ratio Lower Upper
117 100
119 100.4 75.7 113.5
121 31.9 24.8 37.2

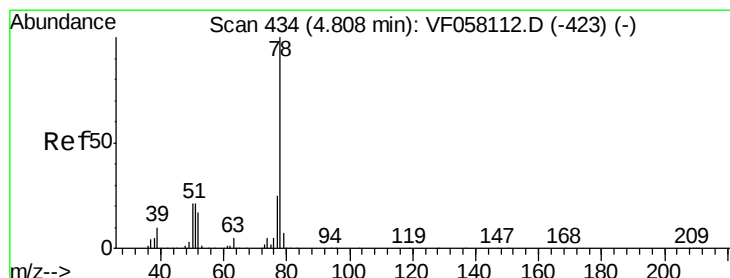
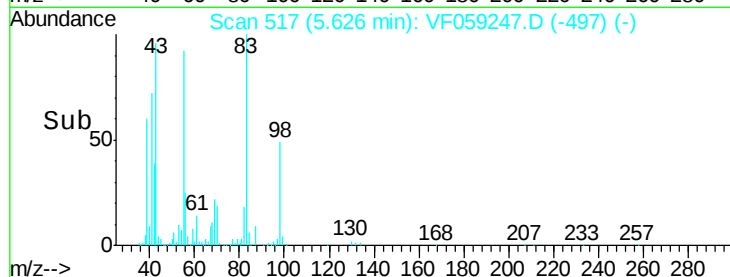
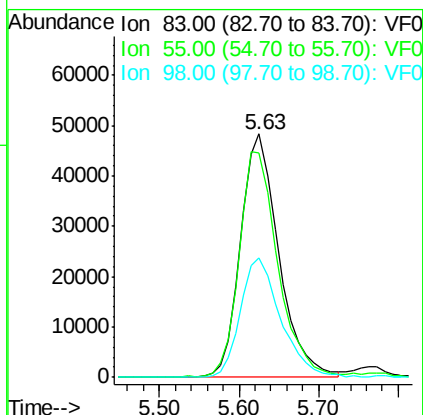
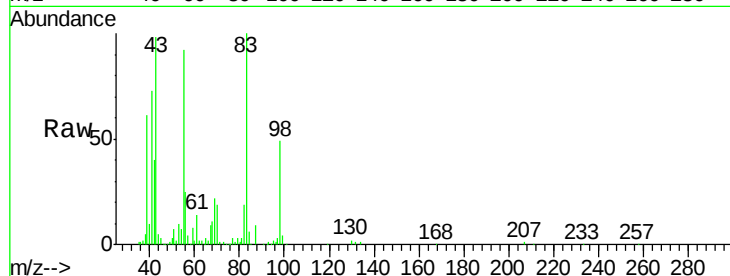




#39
Methvlcvclohexane
Concen: 46.813 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.00 min
Lab File: VF059247.D
Acq: 21 Jun 2018 2:33

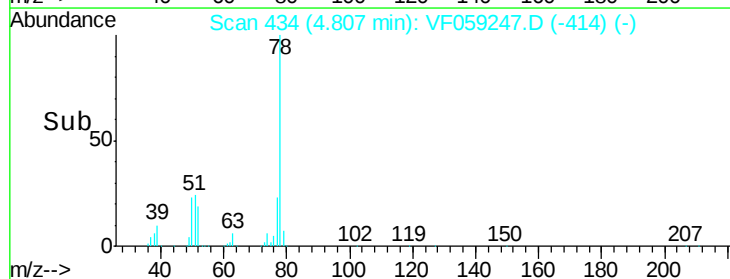
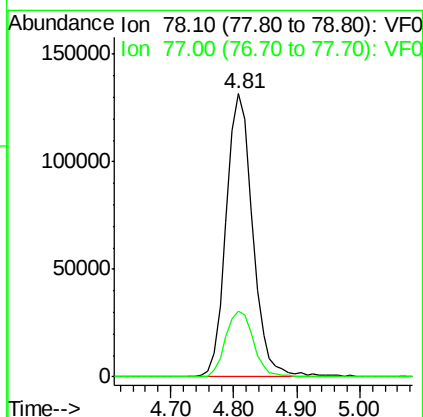
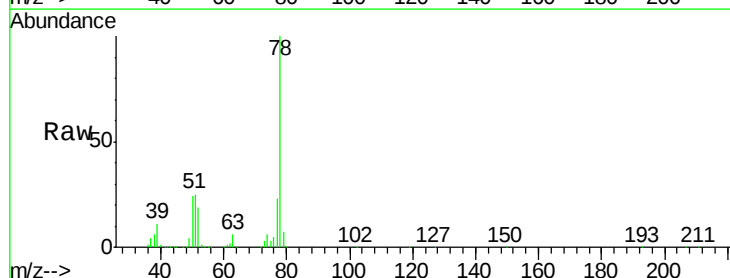
Instrument :
MSVOA_F
ClientSampleId :

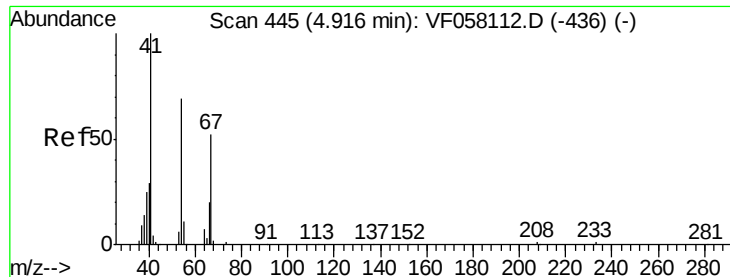
Tot Ion: 83 Resp: 160462
Ion Ratio Lower Upper
83 100
55 92.2 71.0 106.4
98 49.2 38.1 57.1



#40
Benzene
Concen: 49.191 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.00 min
Lab File: VF059247.D
Acq: 21 Jun 2018 2:33

Tgt Ion: 78 Resp: 383953
Ion Ratio Lower Upper
78 100
77 23.3 20.2 30.2

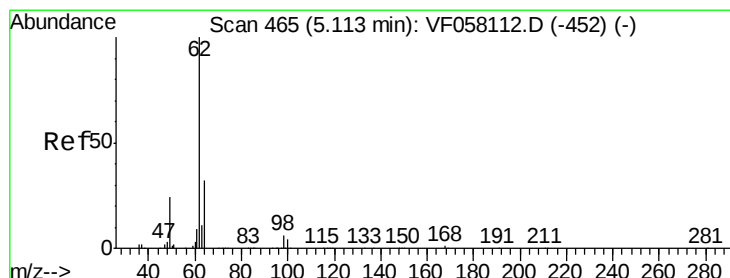
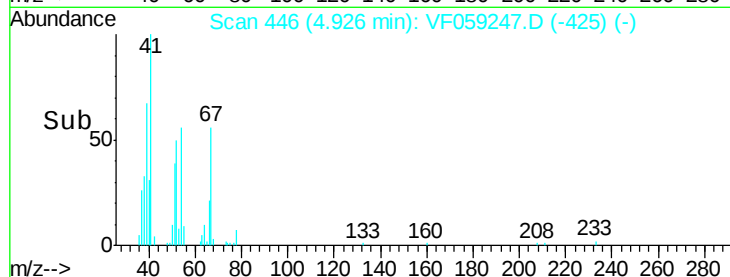
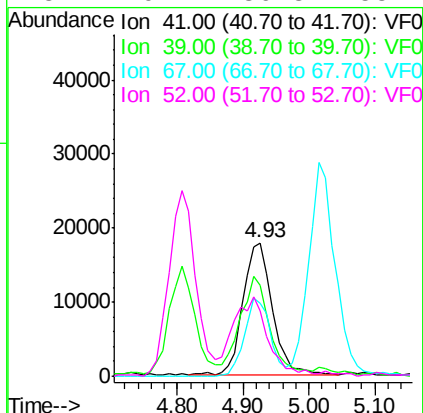
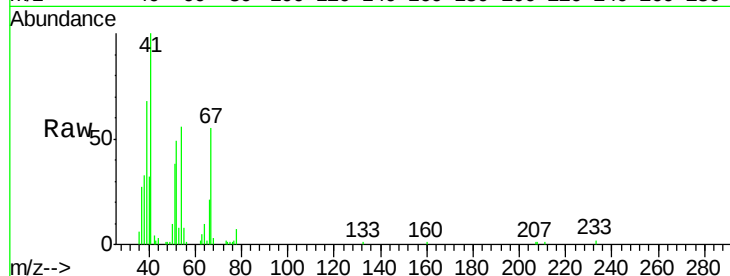




#41
Methacrylonitrile
Concen: 55.720 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.01 min
Lab File: VF059247.D
Acq: 21 Jun 2018 2:33

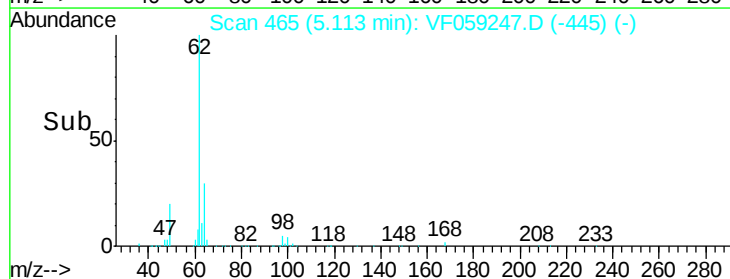
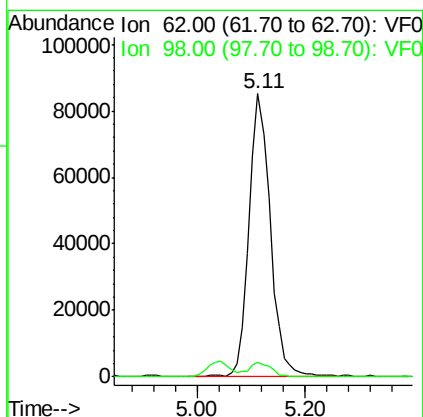
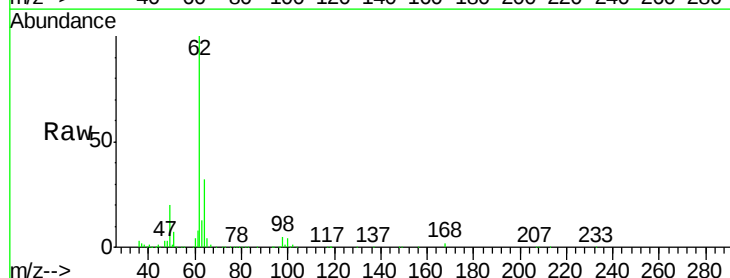
Instrument :
MSVOA_F
ClientSampleId :

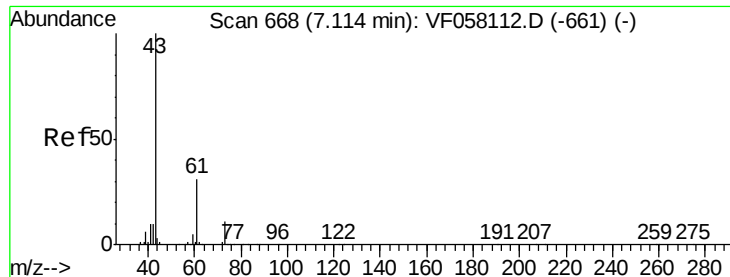
Tot Ion:	41	Resp:	56879
Ion	Ratio	Lower	Upper
41	100		
39	67.5	53.0	79.4
67	55.0	41.0	61.6
52	49.2	36.8	55.2



#42
1,2-Dichloroethane
Concen: 66.947 ug/l
RT: 5.11 min Scan# 465
Delta R.T. -0.00 min
Lab File: VF059247.D
Acq: 21 Jun 2018 2:33

Tgt Ion:	62	Resp:	234357
Ion	Ratio	Lower	Upper
62	100		
98	4.9	0.0	11.8



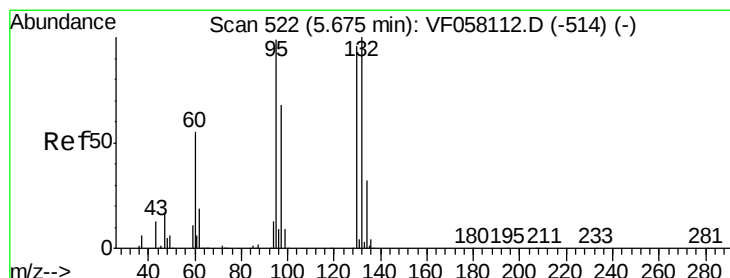
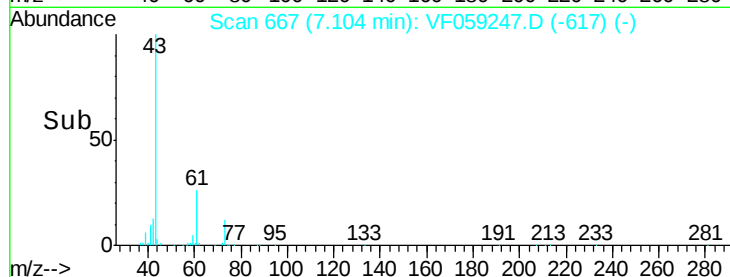
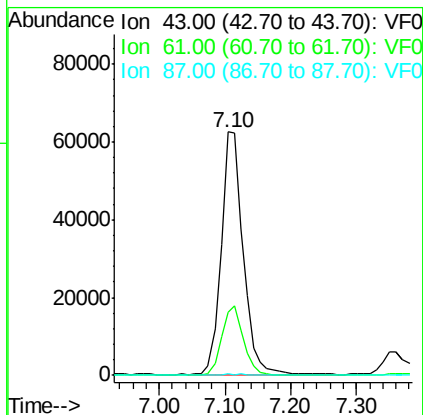
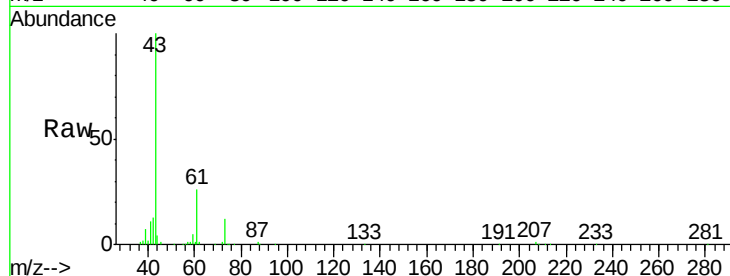


#43

Isopropyl Acetate
 Concen: 52.370 ug/l
 RT: 7.10 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF059247.D
 Acq: 21 Jun 2018 2:33

Instrument :
 MSVOA_F
 ClientSampleId :

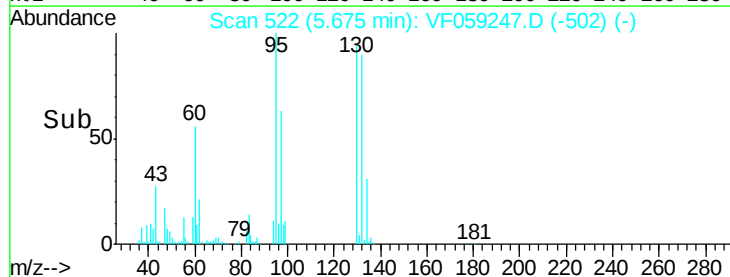
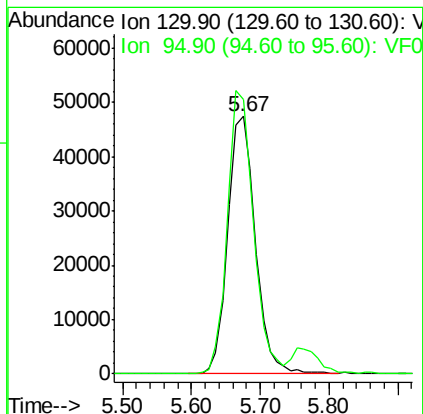
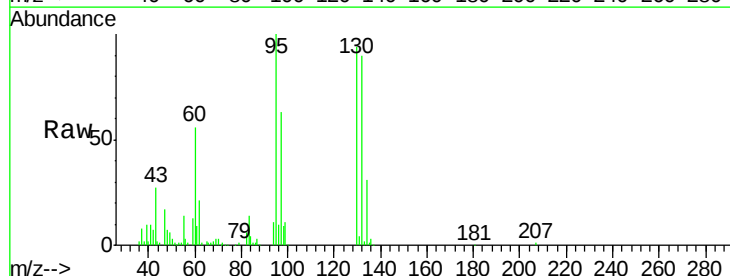
Tot Ion: 43 Resp: 145731
 Ion Ratio Lower Upper
 43 100
 61 25.9 25.1 37.7
 87 0.6 0.2 0.4#

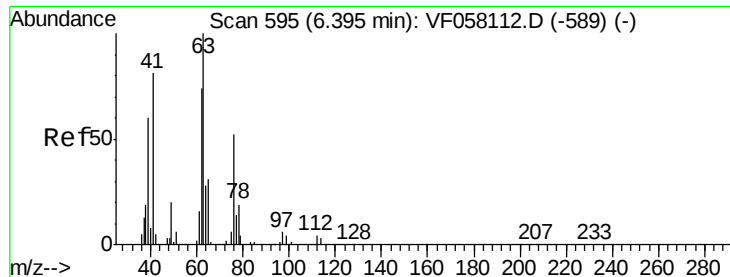


#44

Trichloroethene
 Concen: 54.136 ug/l
 RT: 5.67 min Scan# 522
 Delta R.T. -0.00 min
 Lab File: VF059247.D
 Acq: 21 Jun 2018 2:33

Tgt Ion: 130 Resp: 132029
 Ion Ratio Lower Upper
 130 100
 95 106.4 0.0 206.8





#45

1,2-Dichloropropane

Concen: 50.211 ug/l

RT: 6.39 min Scan# 595

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

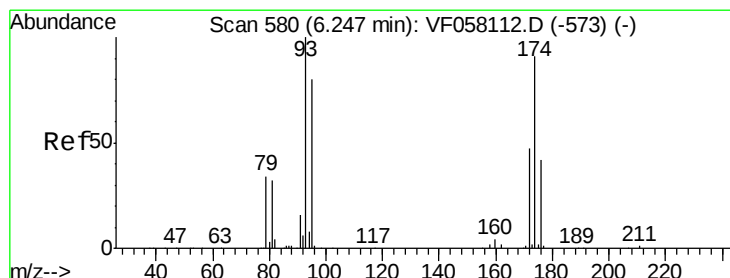
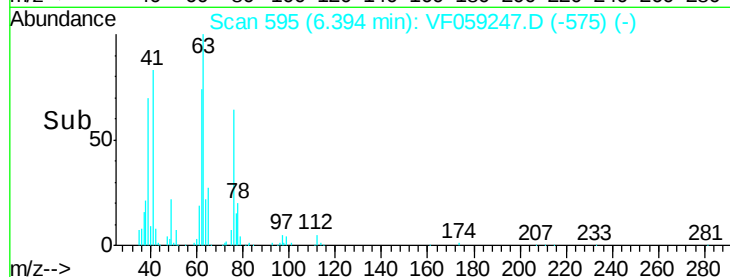
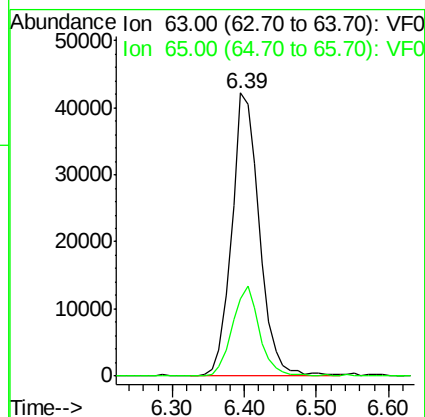
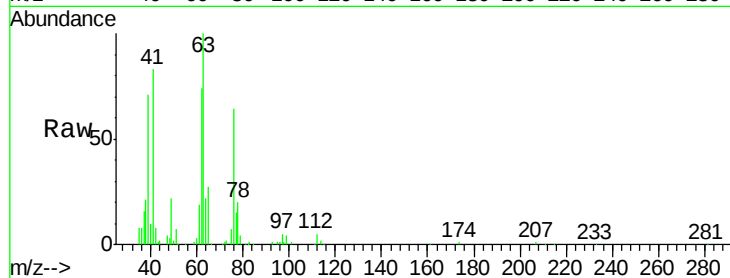
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 113001

Ion Ratio Lower Upper

63 100

65 27.3 24.6 37.0



#46

Dibromomethane

Concen: 57.830 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

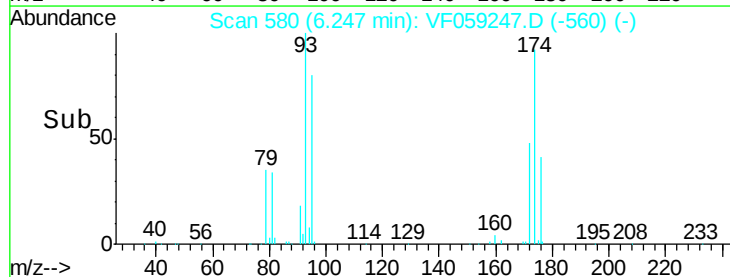
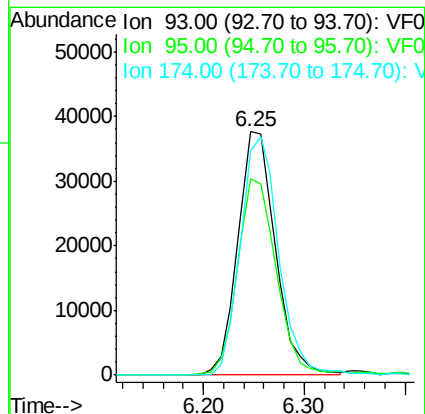
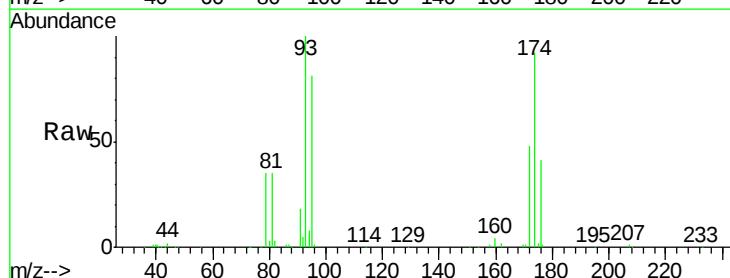
Tgt Ion: 93 Resp: 97923

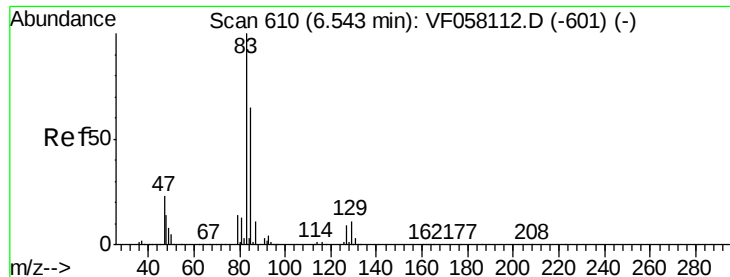
Ion Ratio Lower Upper

93 100

95 80.8 64.2 96.4

174 92.1 72.7 109.1





#47

Bromodichloromethane

Concen: 62.352 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

Instrument :
MSVOA_F
ClientSampleId :

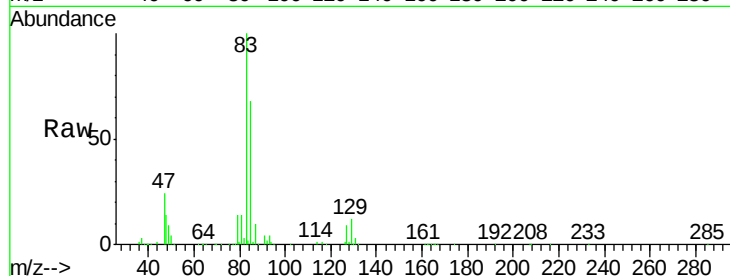
Tot Ion: 83 Resp: 240189

Ion Ratio Lower Upper

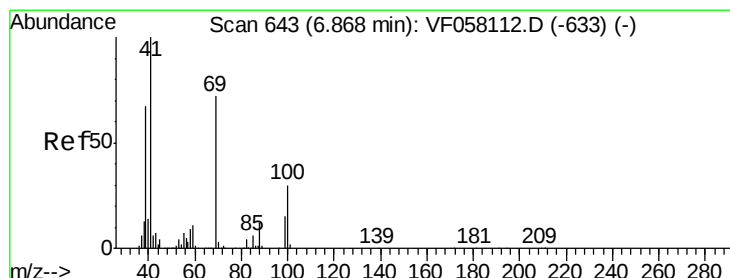
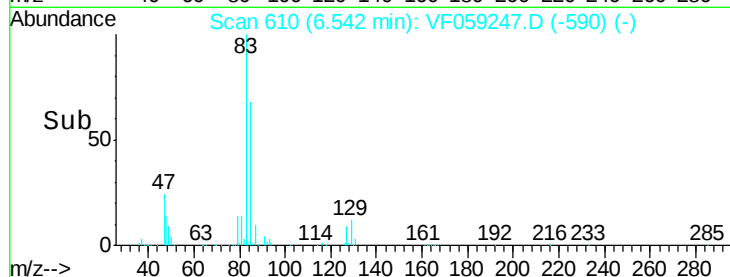
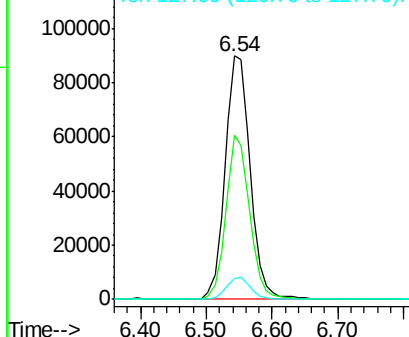
83 100

85 67.5 51.6 77.4

127 8.8 7.2 10.8



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: 54.982 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

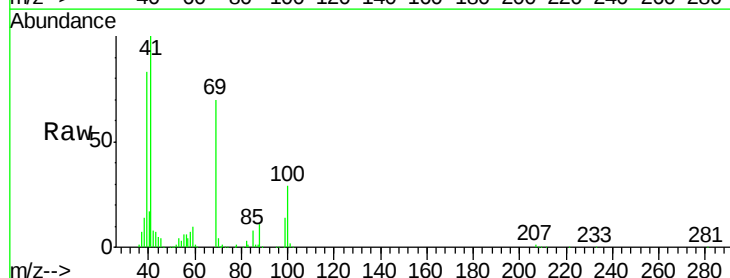
Tgt Ion: 41 Resp: 94317

Ion Ratio Lower Upper

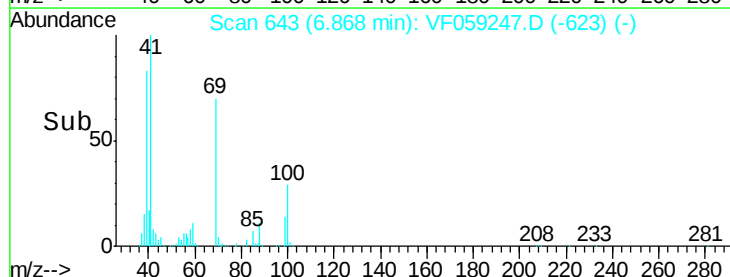
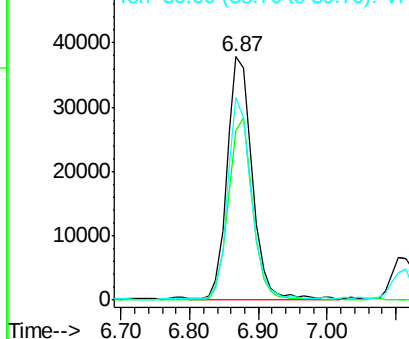
41 100

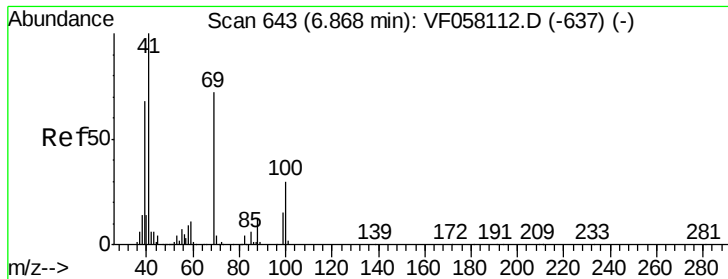
69 69.8 57.2 85.8

39 83.0 54.3 81.5#



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

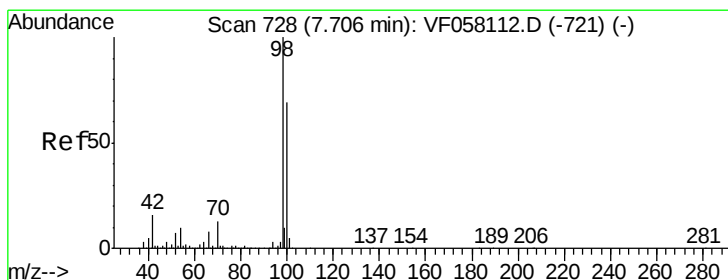
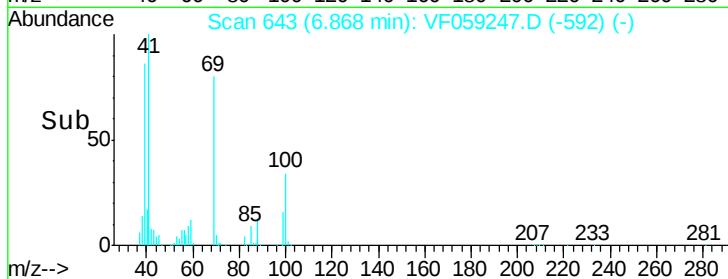
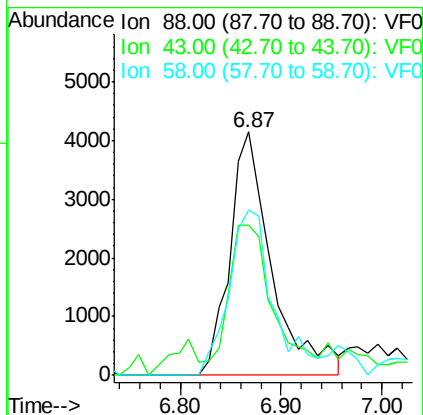
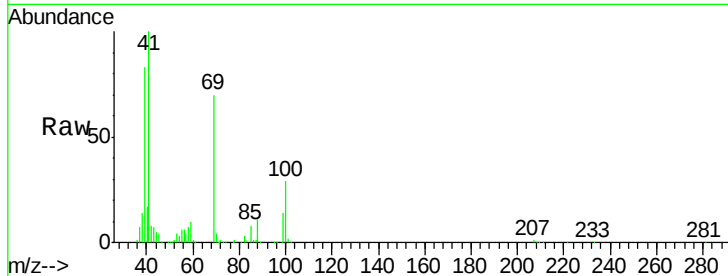




#49
1,4-Dioxane
Concen: 960.414 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.00 min
Lab File: VF059247.D
Acq: 21 Jun 2018 2:33

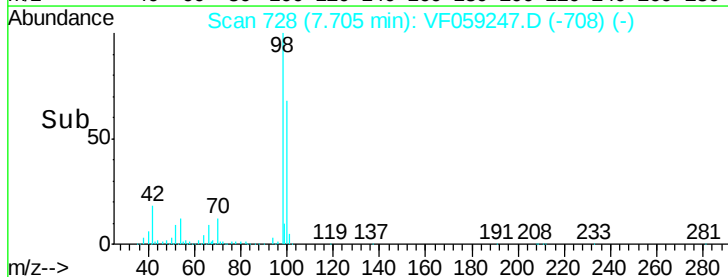
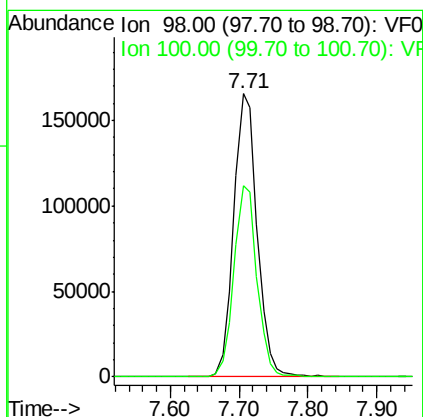
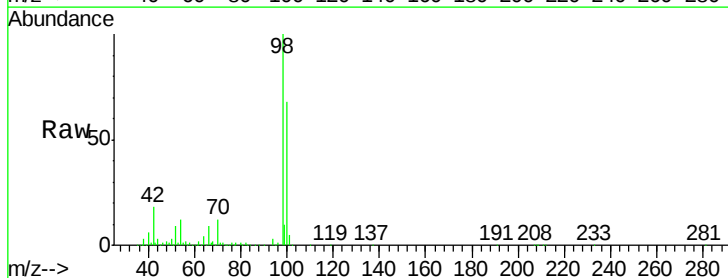
Instrument :
MSVOA_F
ClientSampleId :

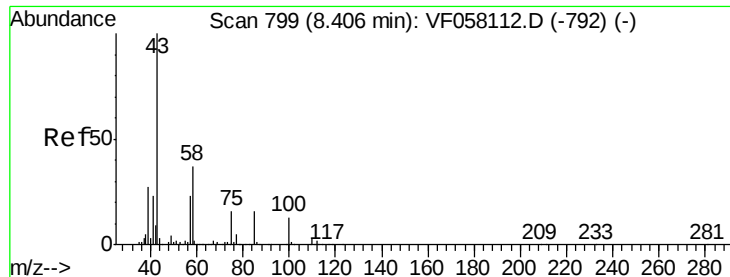
Tot Ion: 88 Resp: 11960
Ion Ratio Lower Upper
88 100
43 61.9 47.8 71.8
58 68.2 59.4 89.0



#50
Toluene-d8
Concen: 54.674 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF059247.D
Acq: 21 Jun 2018 2:33

Tgt Ion: 98 Resp: 391001
Ion Ratio Lower Upper
98 100
100 67.6 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 267.011 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

Instrument :

MSVOA_F

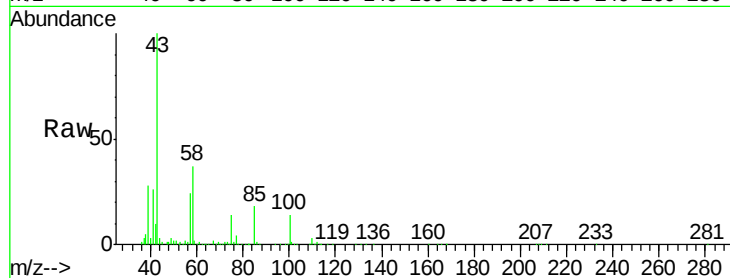
ClientSampleId :

Tot Ion: 43 Resp: 509255

Ion Ratio Lower Upper

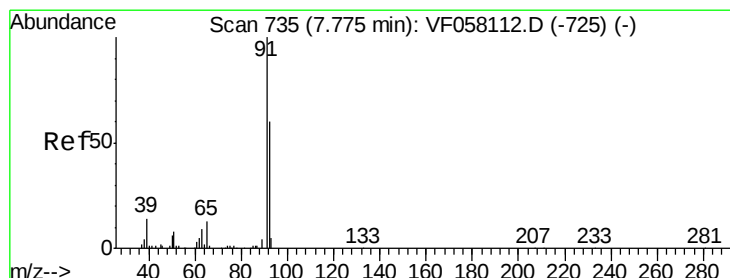
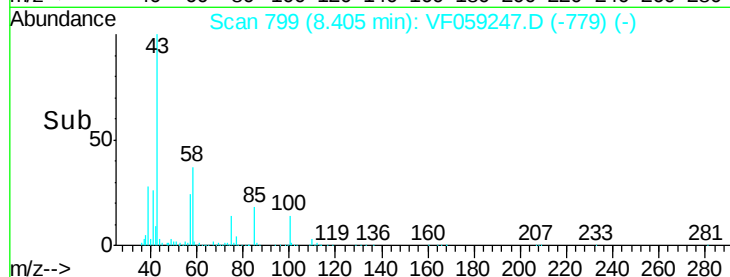
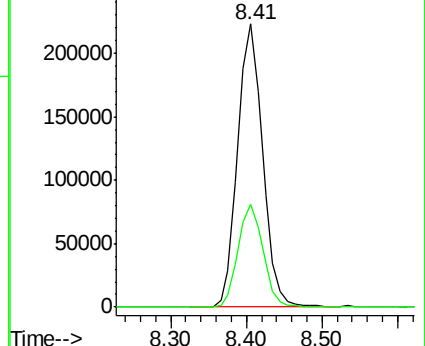
43 100

58 36.5 29.4 44.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 51.305 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059247.D

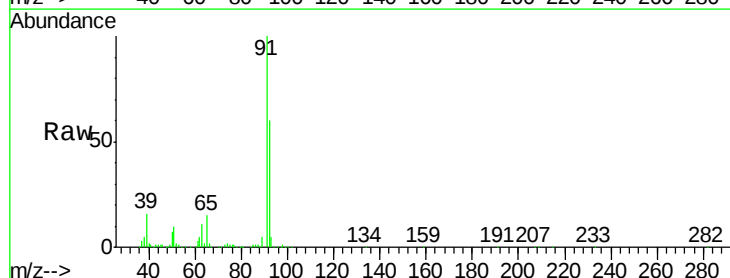
Acq: 21 Jun 2018 2:33

Tgt Ion: 92 Resp: 288434

Ion Ratio Lower Upper

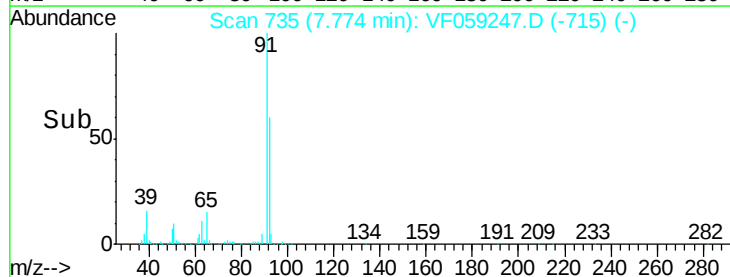
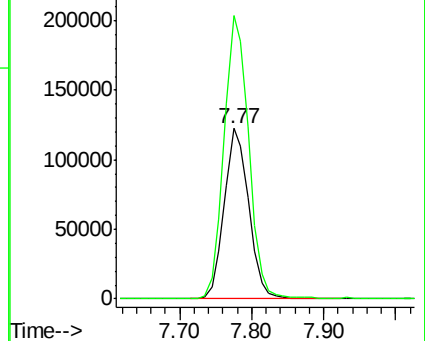
92 100

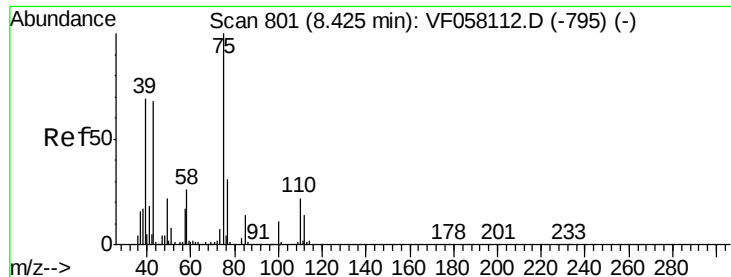
91 166.1 132.9 199.3



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: 53.892 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

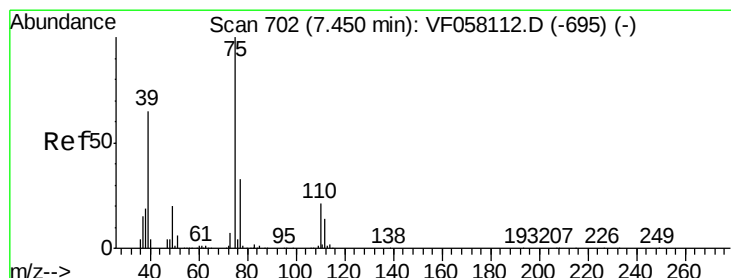
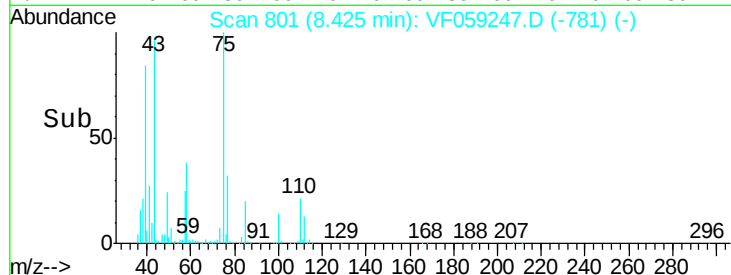
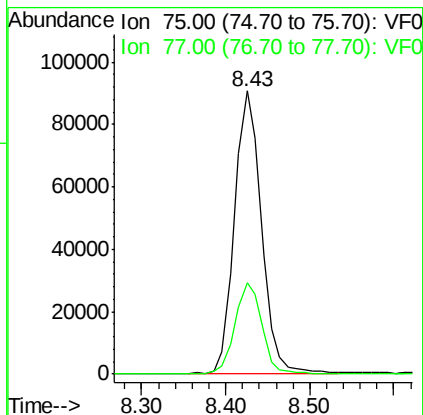
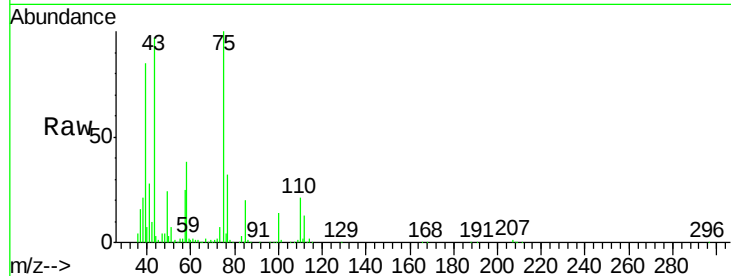
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 75 Resp: 201050

Ion Ratio Lower Upper

75 100

77 32.2 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 51.633 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

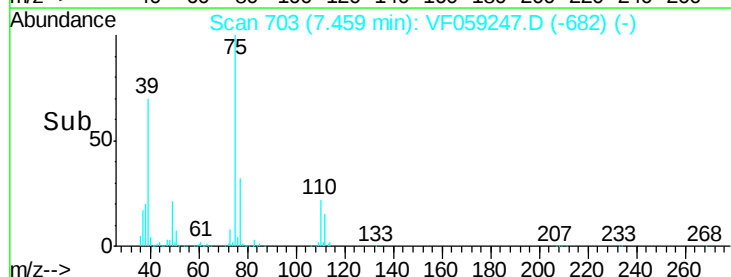
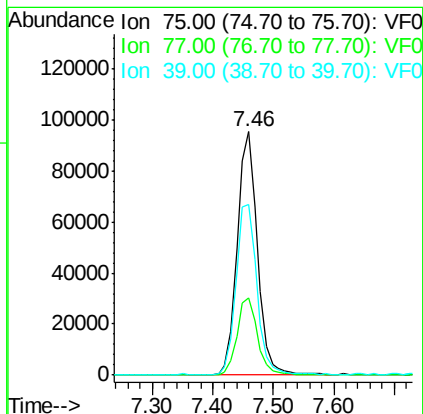
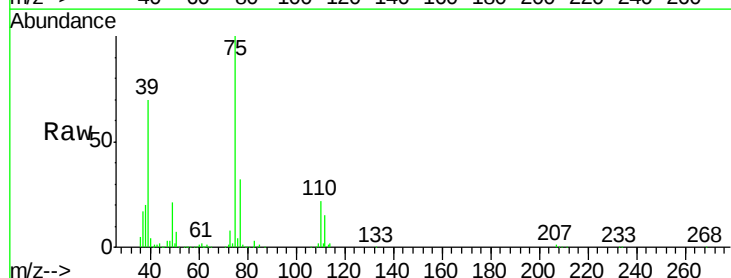
Tgt Ion: 75 Resp: 221273

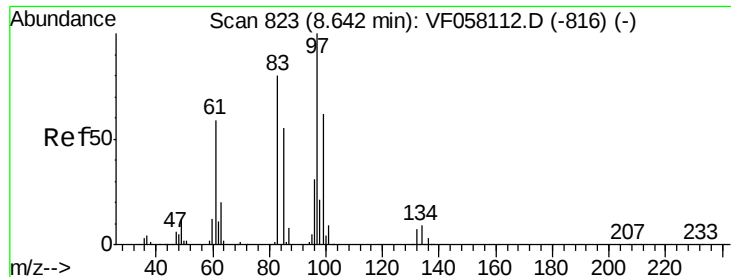
Ion Ratio Lower Upper

75 100

77 31.9 26.3 39.5

39 70.3 52.1 78.1





#55

1,1,2-Trichloroethane

Concen: 59.432 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 121078

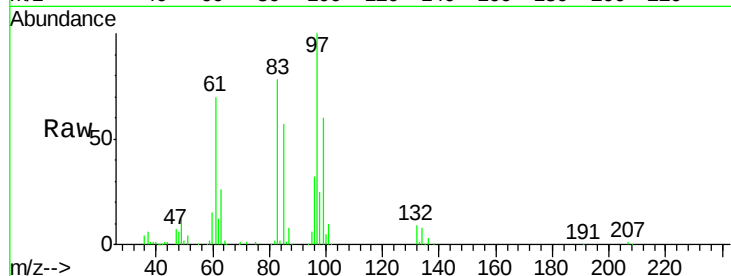
Ion	Ratio	Lower	Upper
97	100		
83	77.5	64.3	96.5
85	56.6	43.8	65.8
99	59.7	49.8	74.8

97 100

83 77.5 64.3 96.5

85 56.6 43.8 65.8

99 59.7 49.8 74.8

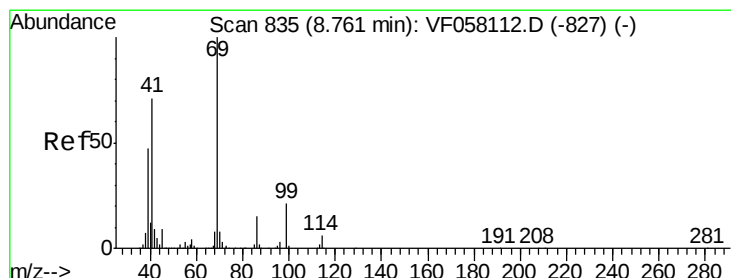
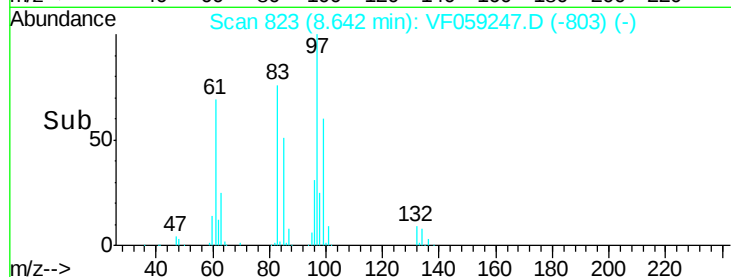
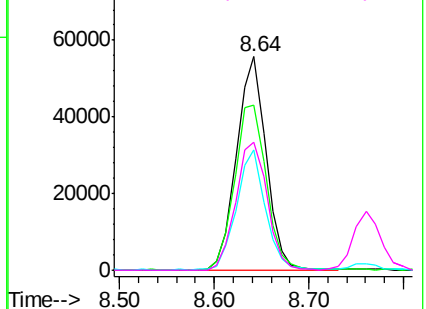


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 57.189 ug/l

RT: 8.76 min Scan# 835

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

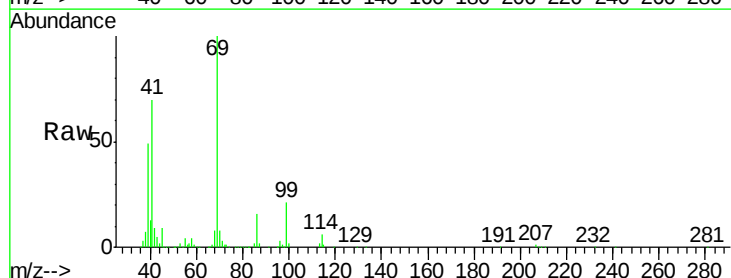
Tgt Ion: 69 Resp: 146858

Ion	Ratio	Lower	Upper
69	100		
41	69.5	56.9	85.3
39	49.1	38.0	57.0

69 100

41 69.5 56.9 85.3

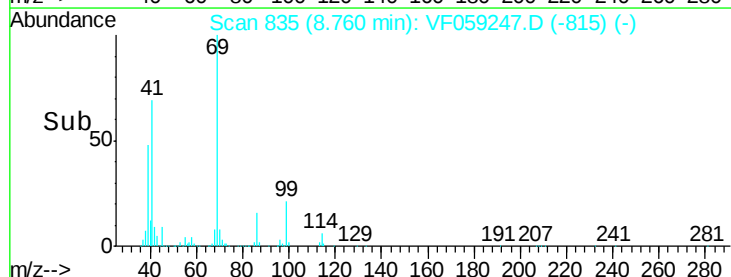
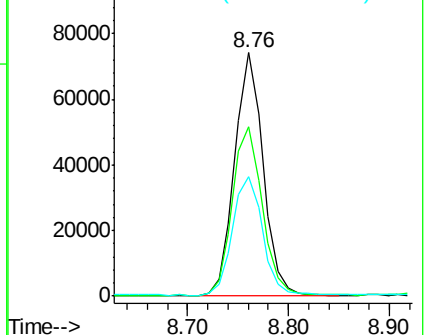
39 49.1 38.0 57.0

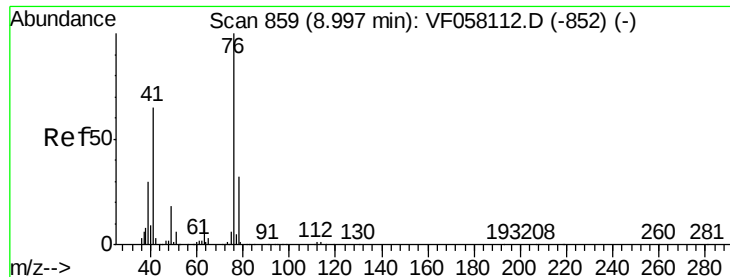


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 57.191 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

Instrument :

MSVOA_F

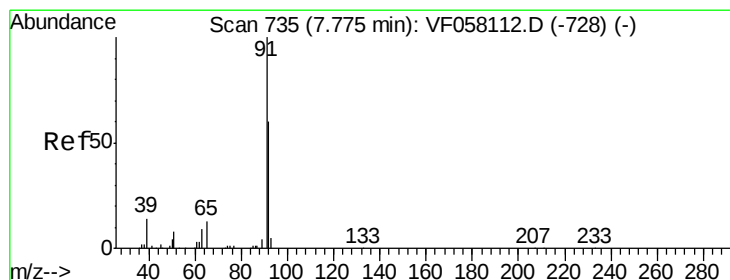
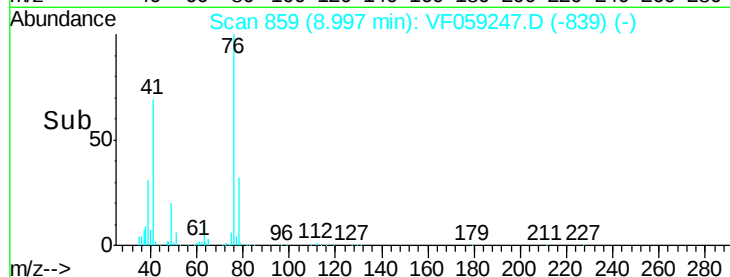
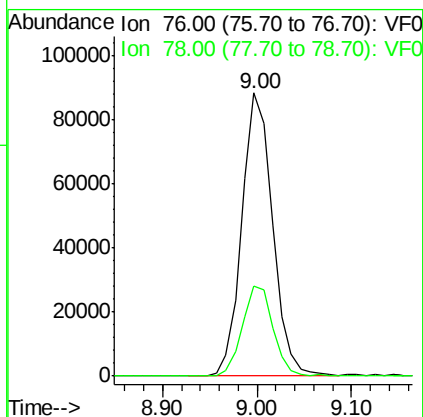
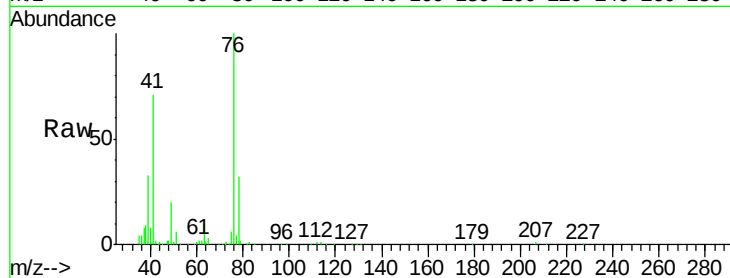
ClientSampleId :

Tot Ion: 76 Resp: 199306

Ion Ratio Lower Upper

76 100

78 31.7 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 283.127 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059247.D

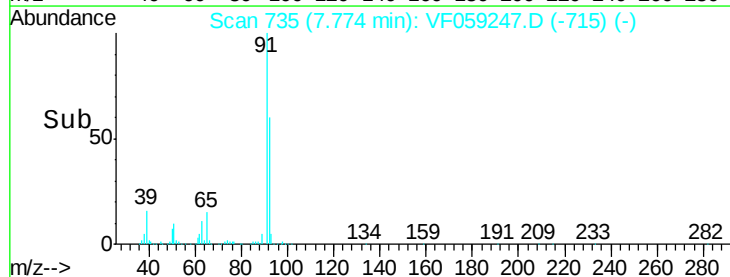
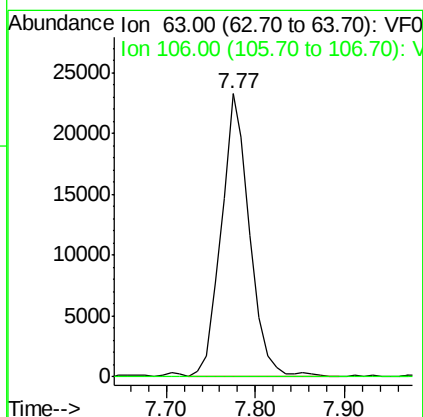
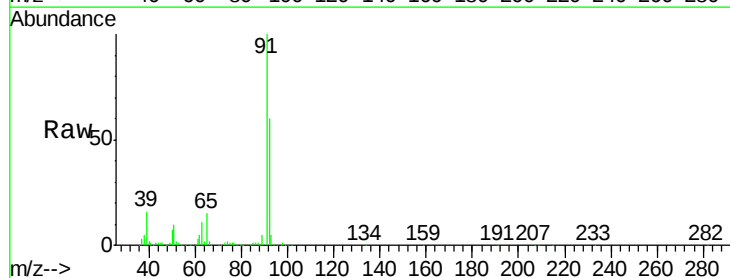
Acq: 21 Jun 2018 2:33

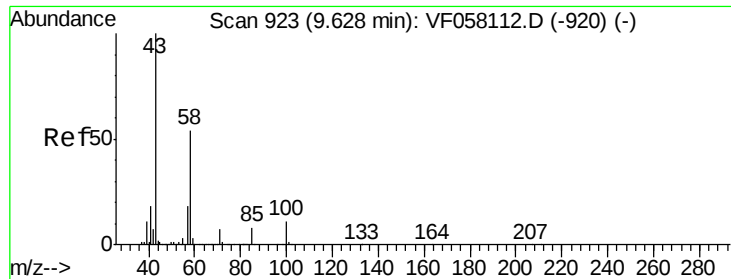
Tgt Ion: 63 Resp: 51987

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

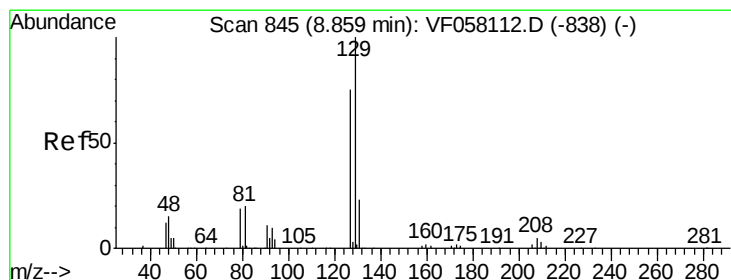
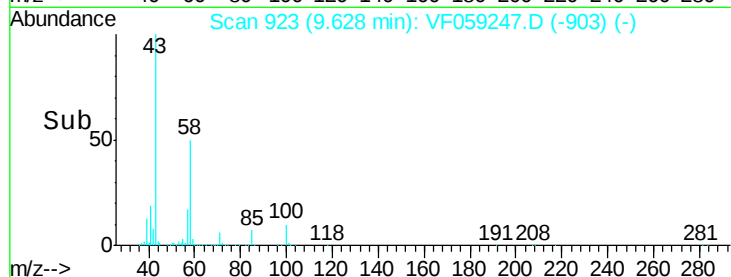
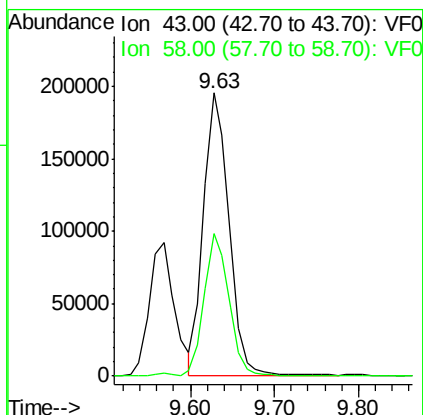
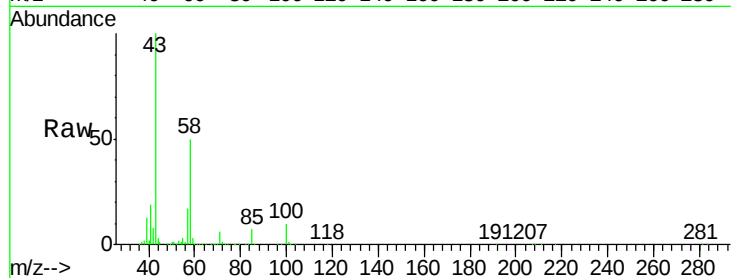




#59
2-Hexanone
Concen: 271.221 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF059247.D
Acq: 21 Jun 2018 2:33

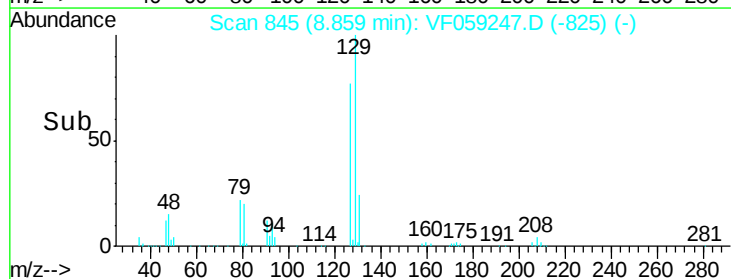
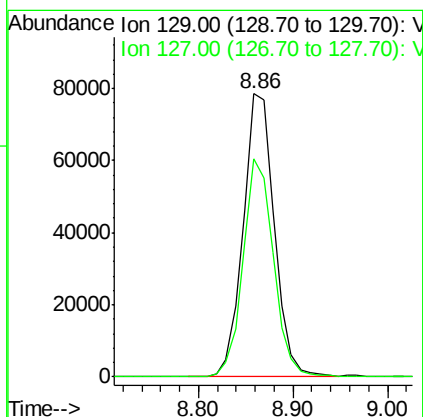
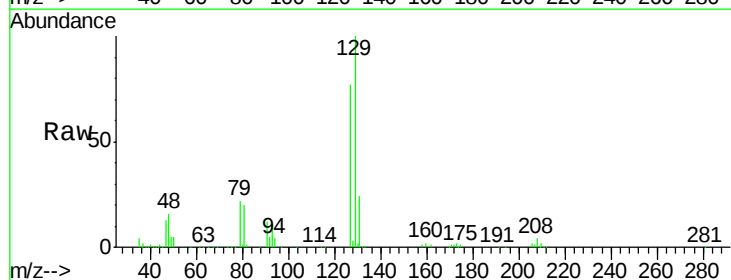
Instrument :
MSVOA_F
ClientSampleId :

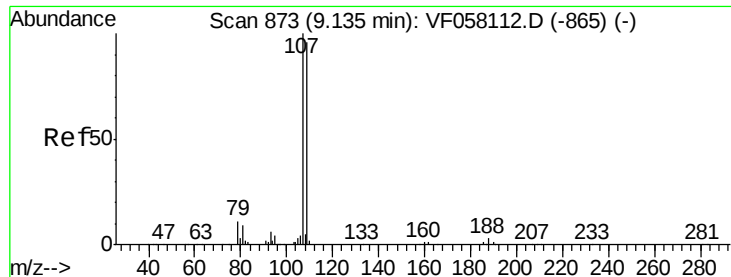
Tot Ion: 43 Resp: 409169
Ion Ratio Lower Upper
43 100
58 50.4 26.3 78.8



#60
Dibromochloromethane
Concen: 61.354 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.00 min
Lab File: VF059247.D
Acq: 21 Jun 2018 2:33

Tgt Ion:129 Resp: 179615
Ion Ratio Lower Upper
129 100
127 76.9 37.6 112.9





#61

1,2-Dibromoethane

Concen: 59.480 ug/l

RT: 9.13 min Scan# 873

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

Instrument :

MSVOA_F

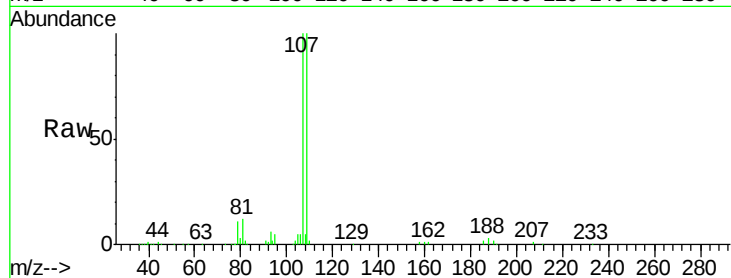
ClientSampleId :

Tot Ion:107 Resp: 140800

Ion Ratio Lower Upper

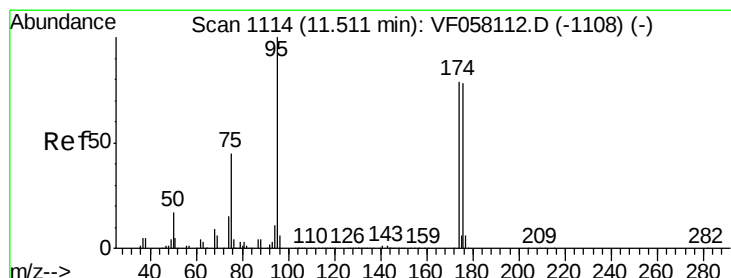
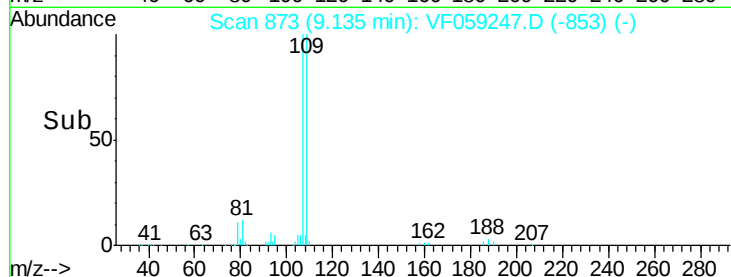
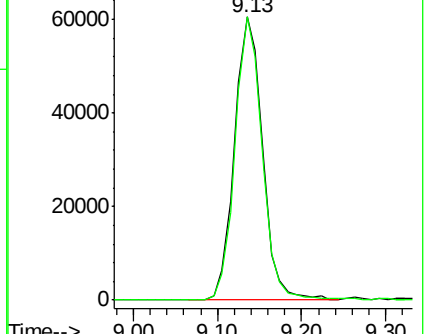
107 100

109 100.0 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 55.475 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

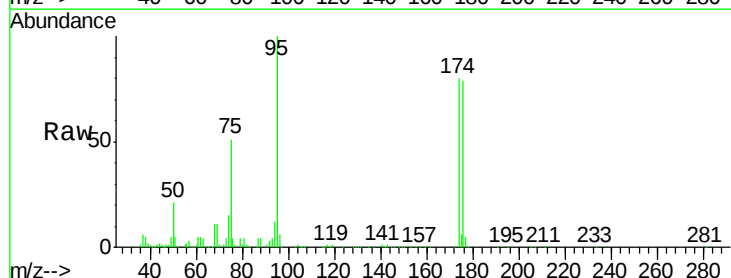
Tgt Ion: 95 Resp: 203483

Ion Ratio Lower Upper

95 100

174 80.5 0.0 157.8

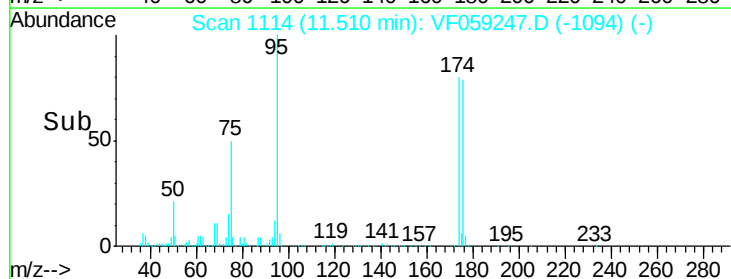
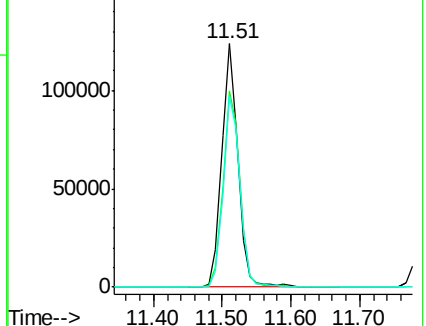
176 78.6 0.0 155.8

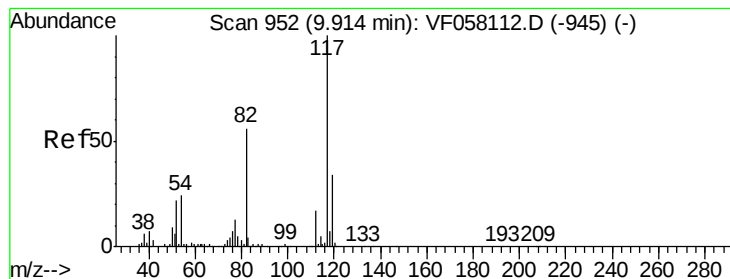


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 953

Delta R.T. 0.01 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

Instrument :
MSVOA_F
ClientSampleId :

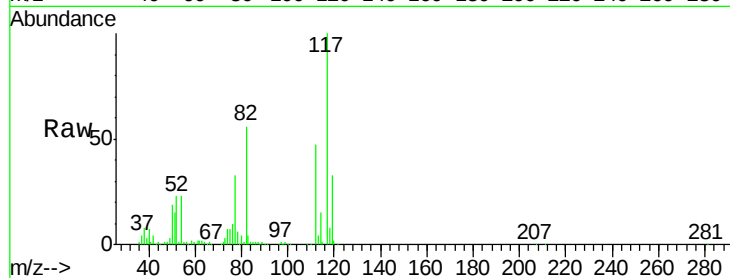
Tot Ion:117 Resp: 356446

Ion Ratio Lower Upper

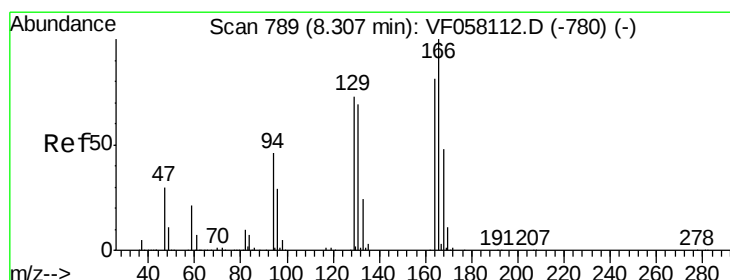
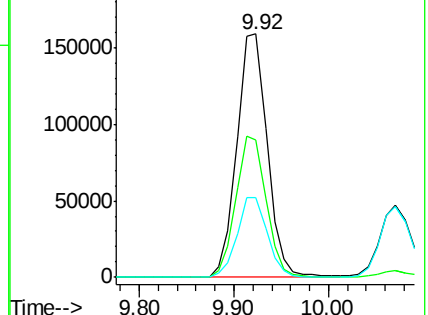
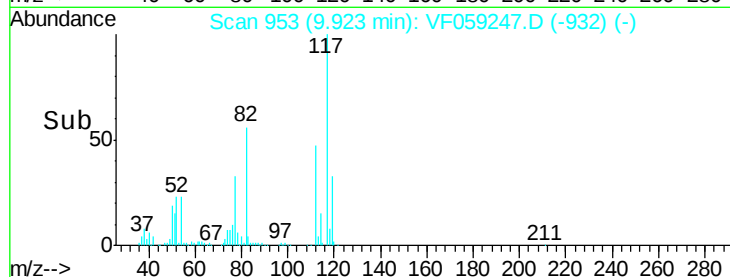
117 100

82 56.3 45.2 67.8

119 33.0 27.5 41.3



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



#64

Tetrachloroethene

Concen: 55.391 ug/l

RT: 8.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

Tgt Ion:164 Resp: 144811

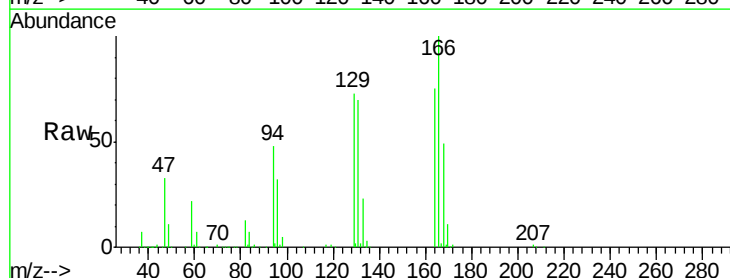
Ion Ratio Lower Upper

164 100

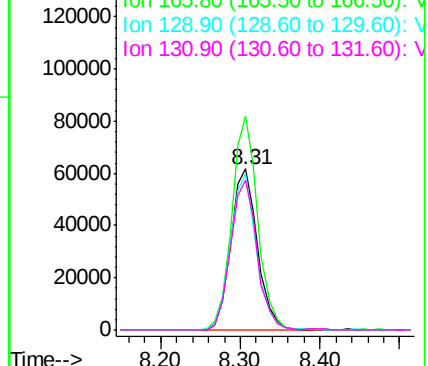
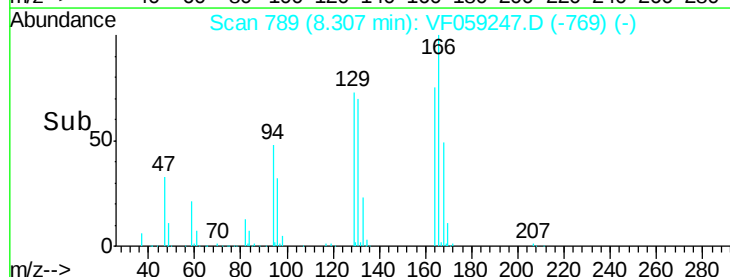
166 132.7 98.2 147.4

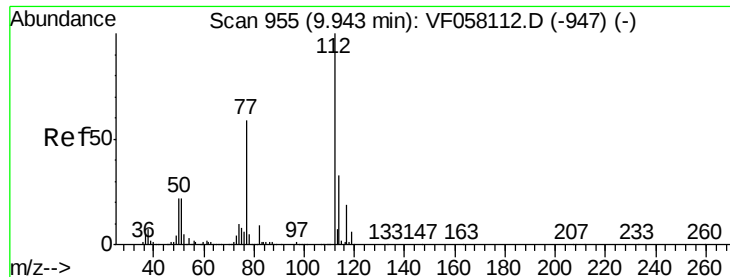
129 97.2 71.6 107.4

131 93.2 67.8 101.6



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





#65

Chlorobenzene

Concen: 53.112 ug/l

RT: 9.94 min Scan# 955

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

Instrument :

MSVOA_F

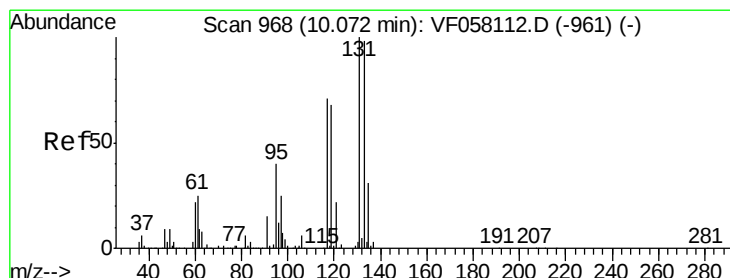
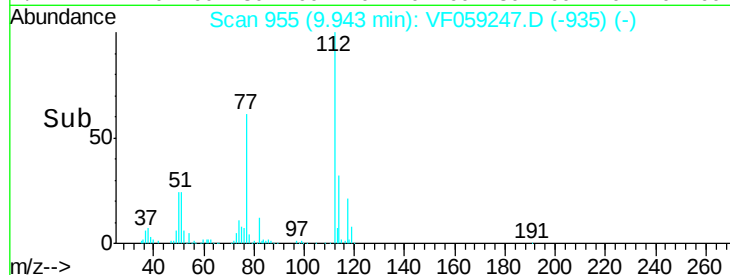
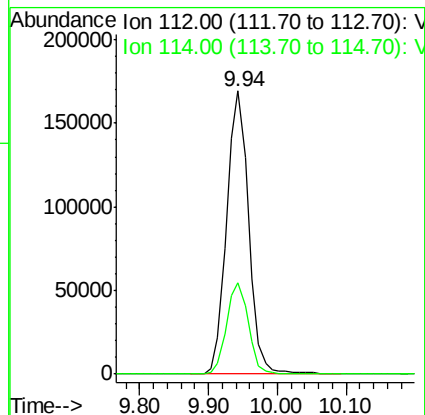
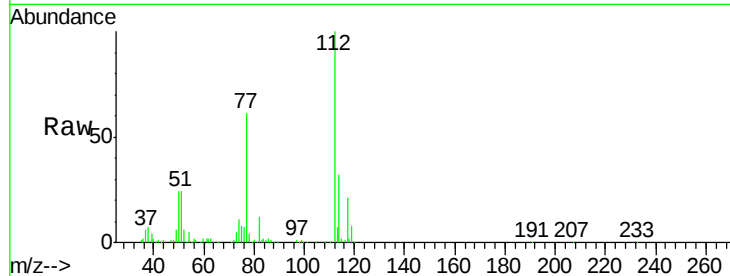
ClientSampleId :

Tot Ion:112 Resp: 374881

Ion Ratio Lower Upper

112 100

114 32.4 26.2 39.4



#66

1,1,1,2-Tetrachloroethane

Concen: 57.204 ug/l

RT: 10.07 min Scan# 968

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

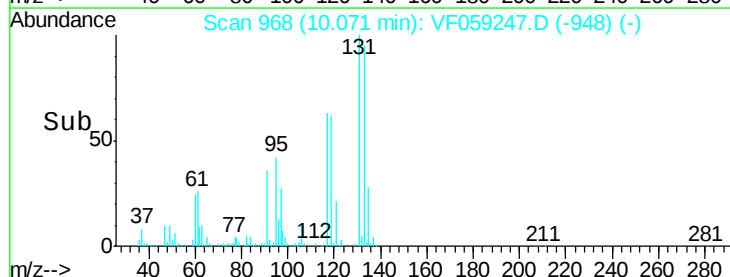
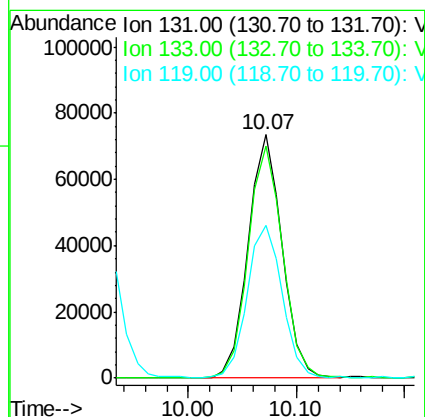
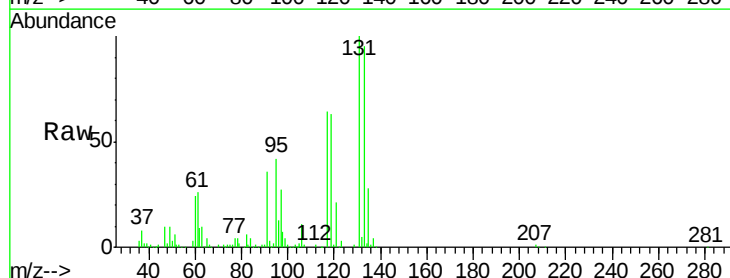
Tgt Ion:131 Resp: 160614

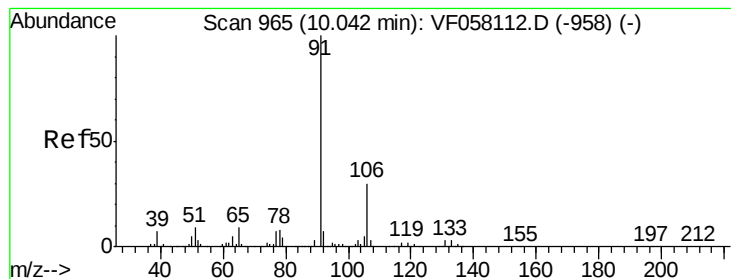
Ion Ratio Lower Upper

131 100

133 95.1 49.1 147.4

119 62.7 34.3 102.8





#67

Ethyl Benzene

Concen: 54.080 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

Instrument :

MSVOA_F

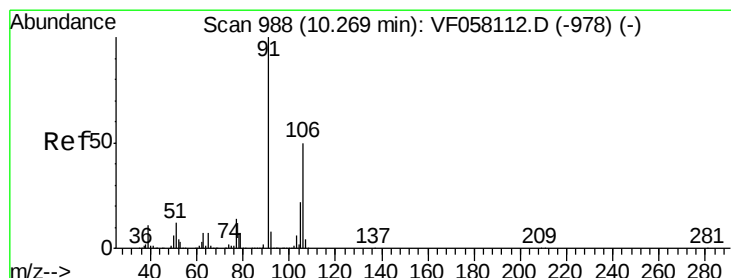
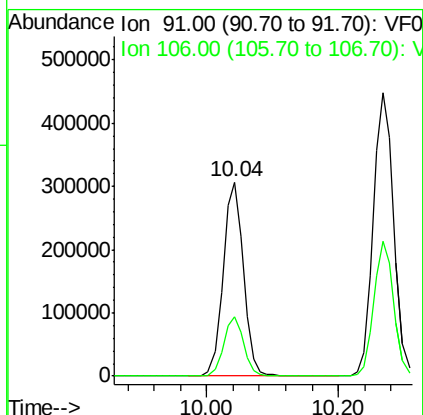
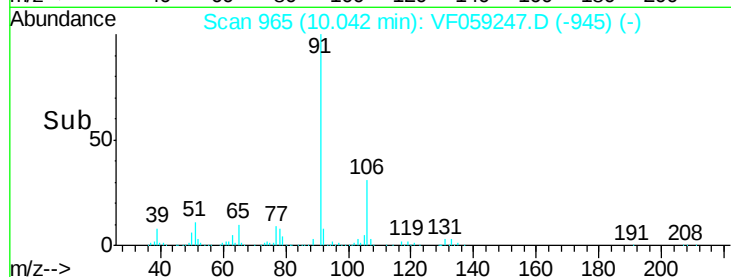
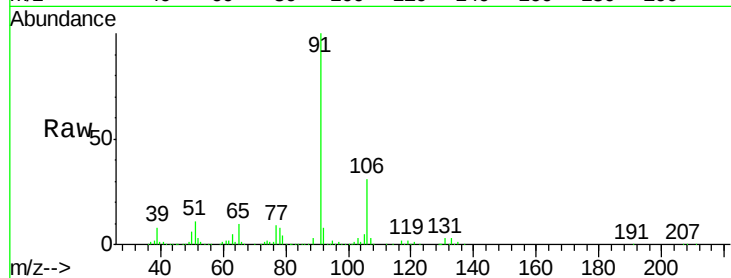
ClientSampled :

Tot Ion: 91 Resp: 663265

Ion Ratio Lower Upper

91 100

106 30.8 24.2 36.4



#68

m/p-Xylenes

Concen: 97.654 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.00 min

Lab File: VF059247.D

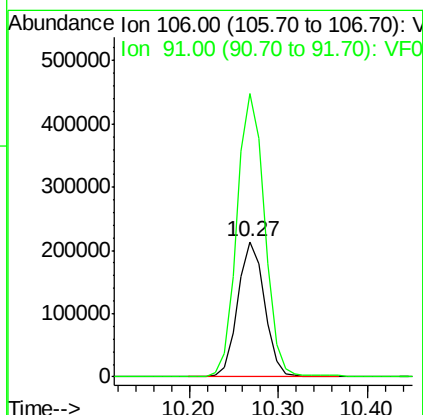
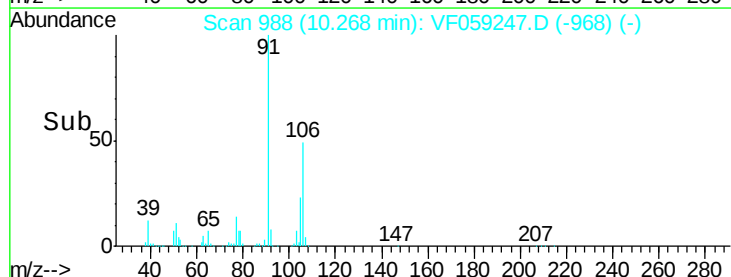
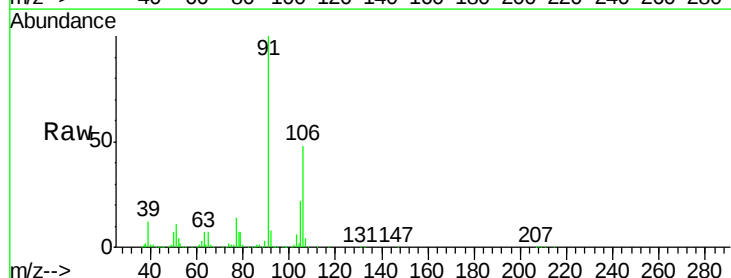
Acq: 21 Jun 2018 2:33

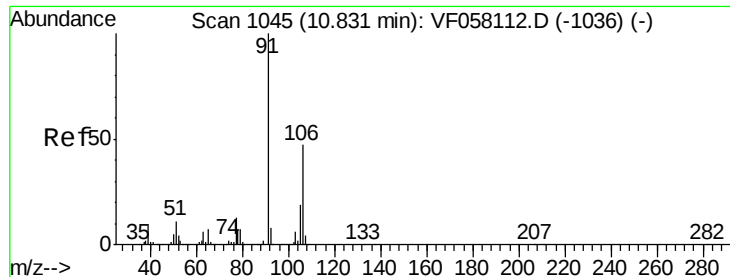
Tgt Ion: 106 Resp: 448405

Ion Ratio Lower Upper

106 100

91 209.8 160.7 241.1

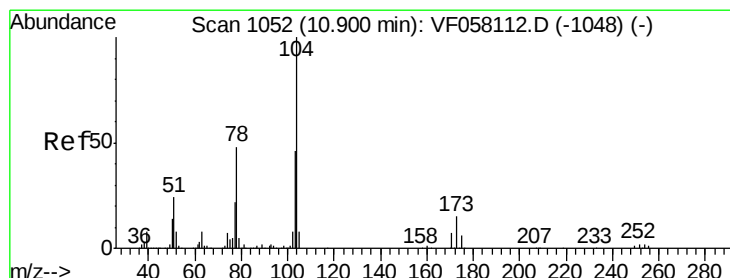
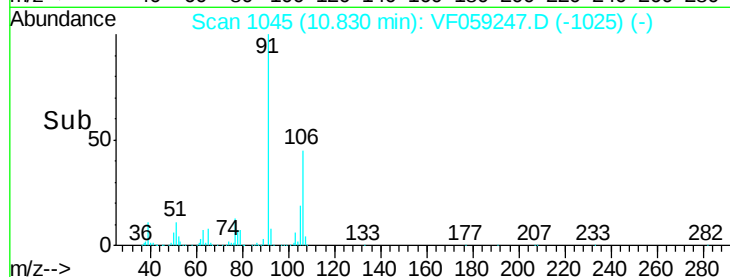
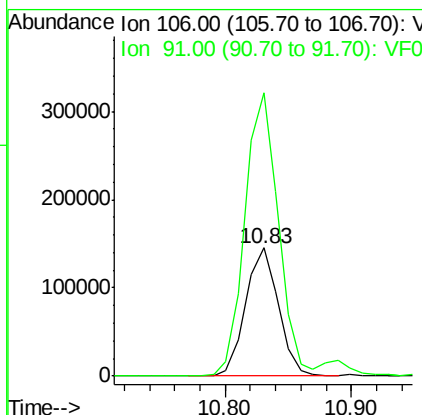
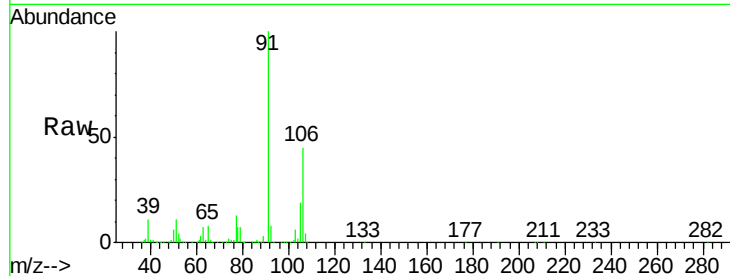




#69
o-Xylene
Concen: 53.035 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VF059247.D
Acq: 21 Jun 2018 2:33

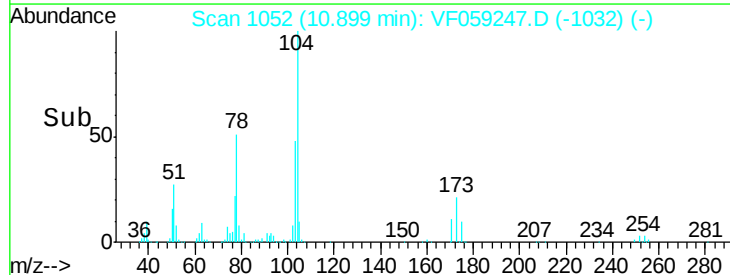
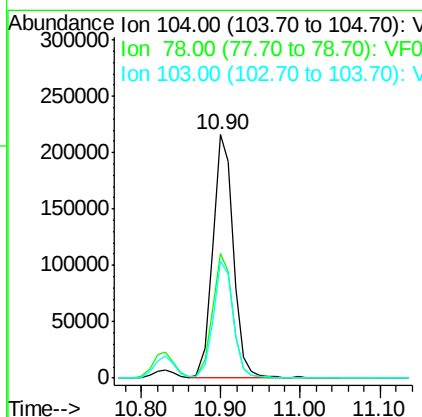
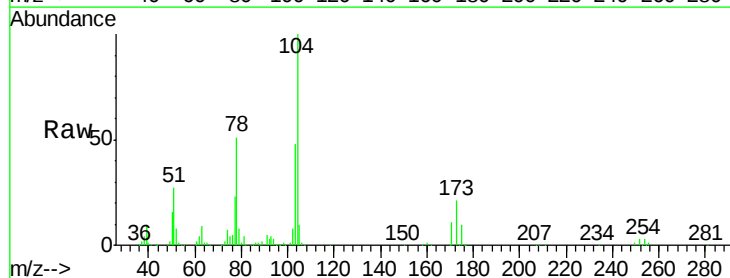
Instrument :
MSVOA_F
ClientSampleId :

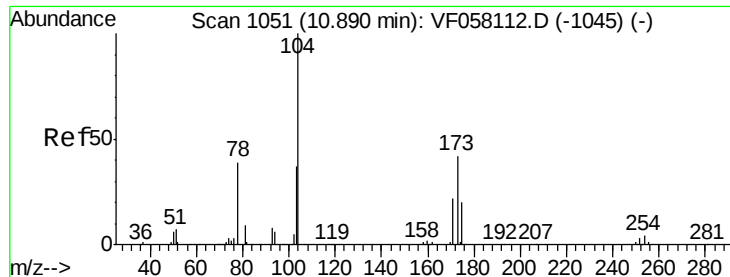
Tot Ion:106 Resp: 263199
Ion Ratio Lower Upper
106 100
91 220.8 107.0 321.0



#70
Styrene
Concen: 52.398 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF059247.D
Acq: 21 Jun 2018 2:33

Tgt Ion:104 Resp: 393445
Ion Ratio Lower Upper
104 100
78 51.3 38.4 57.6
103 47.8 37.0 55.6





#71

Bromoform

Concen: 59.239 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

Instrument :

MSVOA_F

ClientSampled :

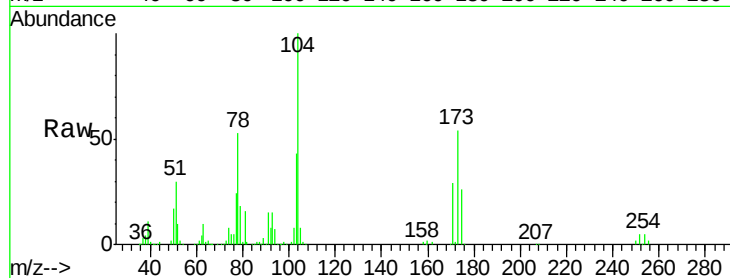
Tot Ion:173 Resp: 112957

Ion Ratio Lower Upper

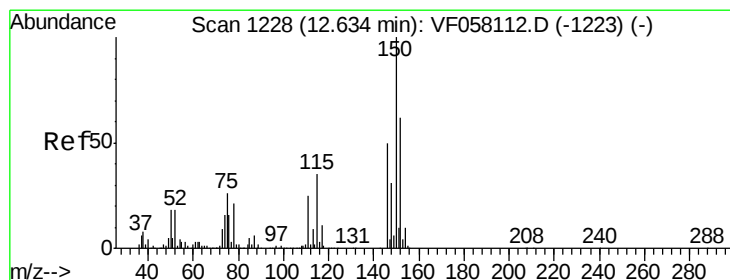
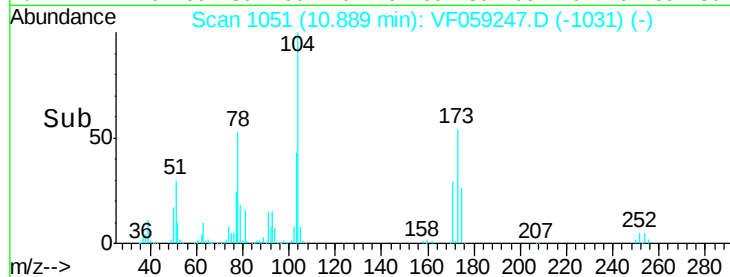
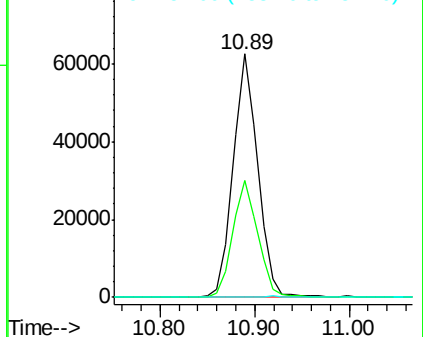
173 100

175 48.2 24.6 74.0

254 0.0 7.8 11.8#



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# 1228

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

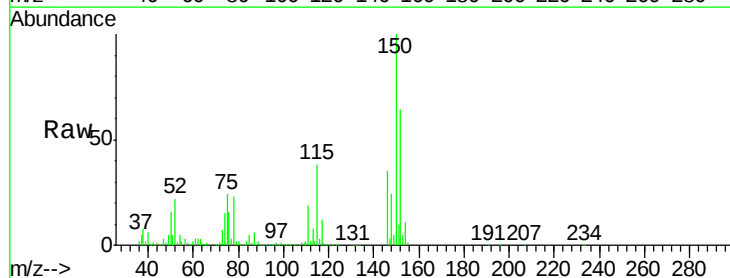
Tgt Ion:152 Resp: 217654

Ion Ratio Lower Upper

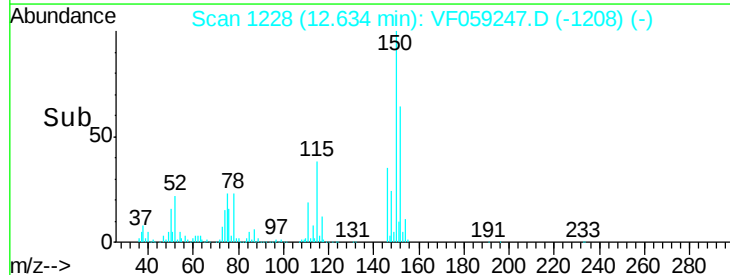
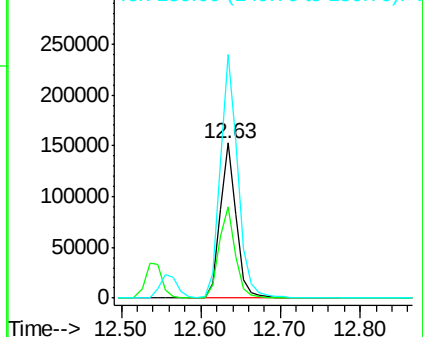
152 100

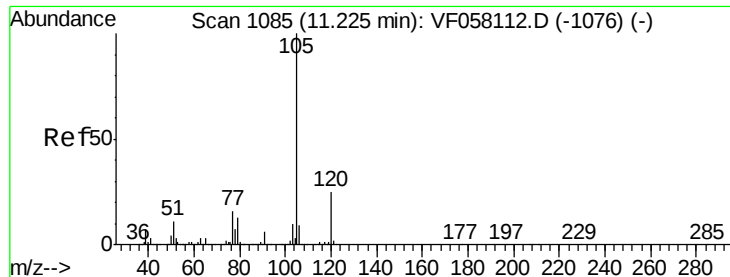
115 59.2 28.5 85.5

150 157.2 0.0 323.8



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 50.155 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

Instrument :

MSVOA_F

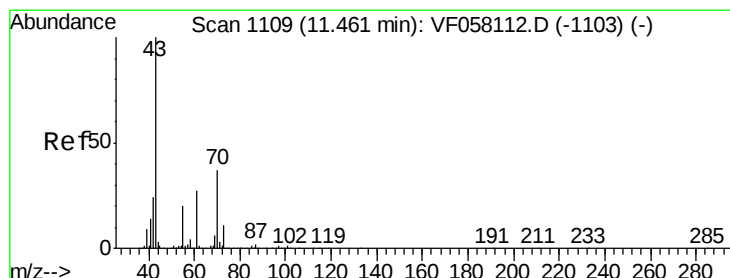
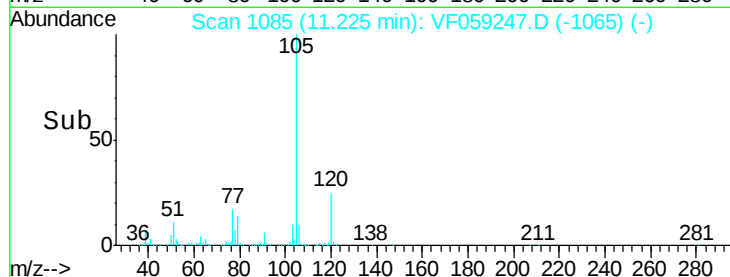
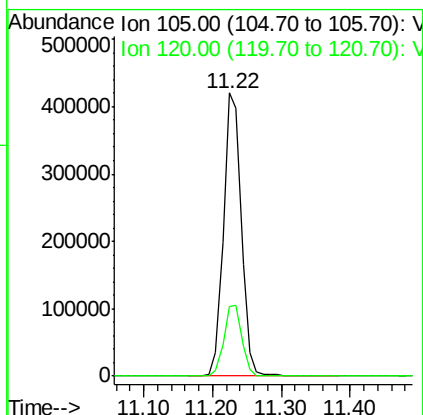
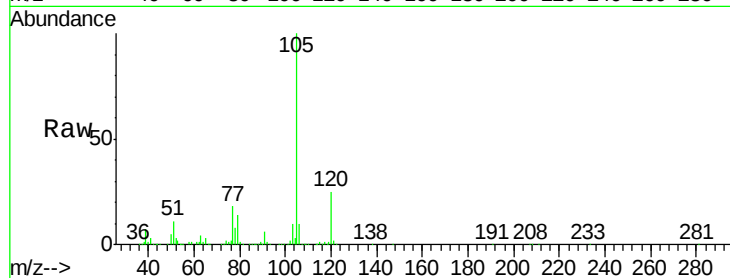
ClientSampleId :

Tot Ion:105 Resp: 755792

Ion Ratio Lower Upper

105 100

120 24.8 12.7 38.1



#74

N-ethyl acetate

Concen: 49.455 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

Tgt Ion: 43 Resp: 266213

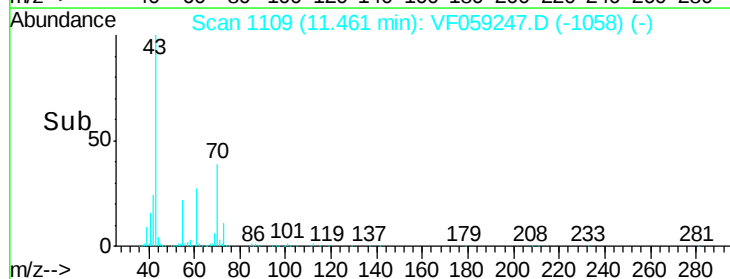
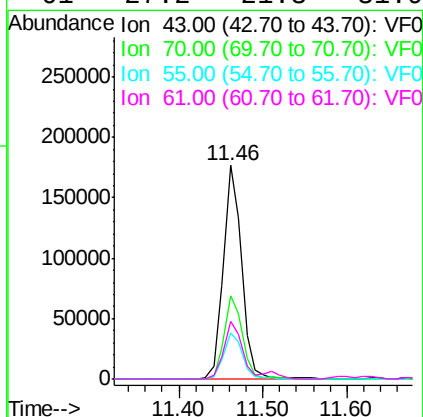
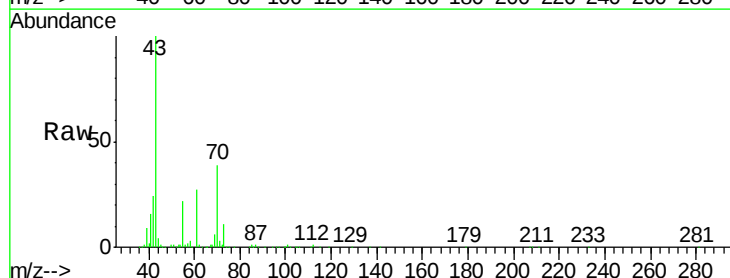
Ion Ratio Lower Upper

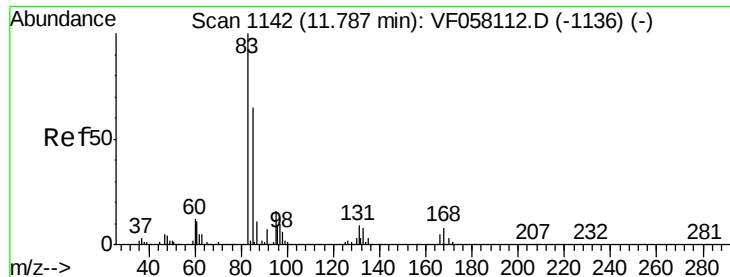
43 100

70 38.7 29.2 43.8

55 21.9 15.8 23.6

61 27.2 21.3 31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 50.487 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

Instrument :

MSVOA_F

ClientSampleId :

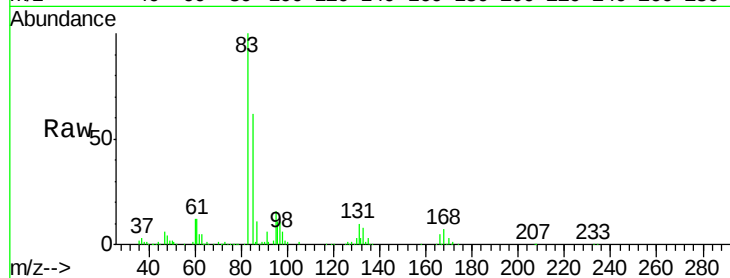
Tot Ion: 83 Resp: 180373

Ion Ratio Lower Upper

83 100

131 9.8 4.5 13.7

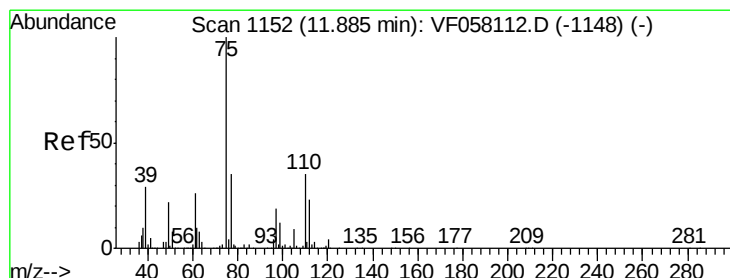
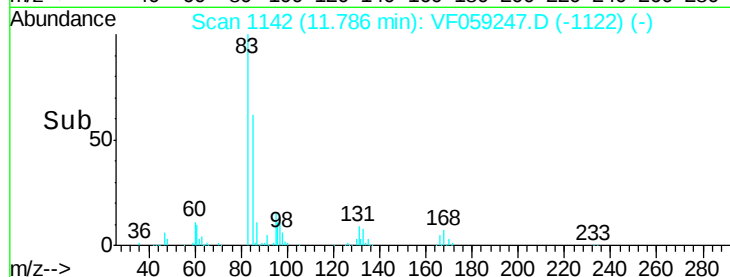
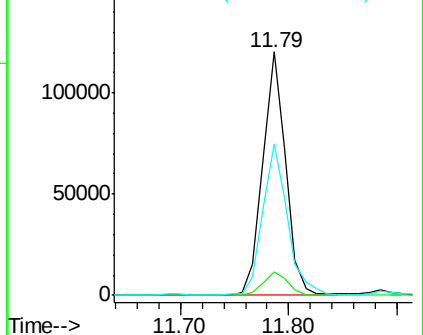
85 62.1 32.8 98.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 51.376 ug/l

RT: 11.88 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF059247.D

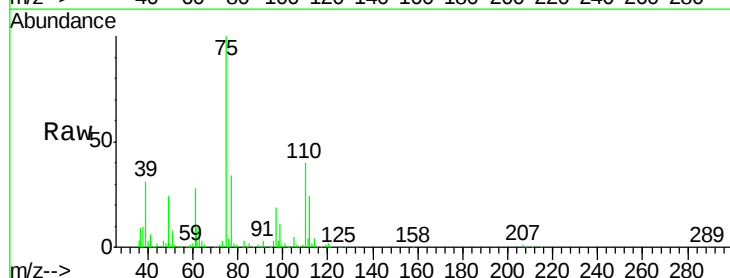
Acq: 21 Jun 2018 2:33

Tgt Ion: 75 Resp: 135557

Ion Ratio Lower Upper

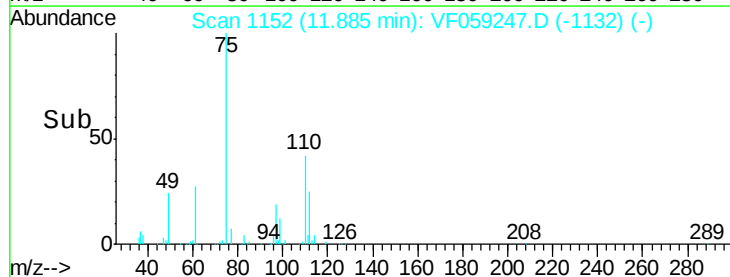
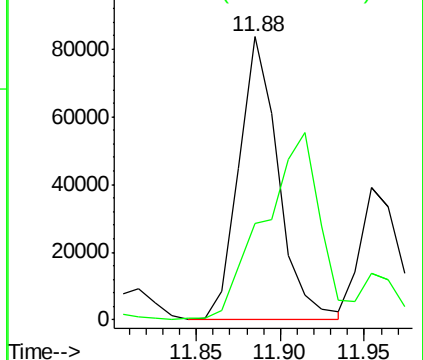
75 100

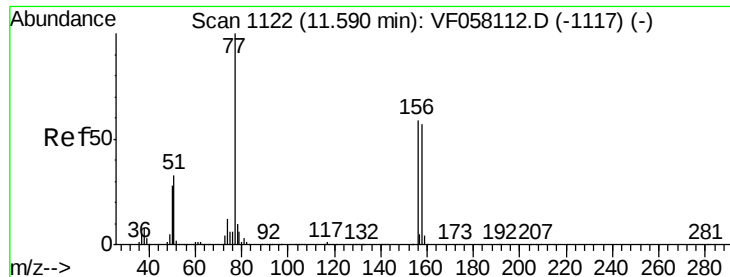
77 34.1 17.5 52.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 53.402 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

Instrument :

MSVOA_F

ClientSampleId :

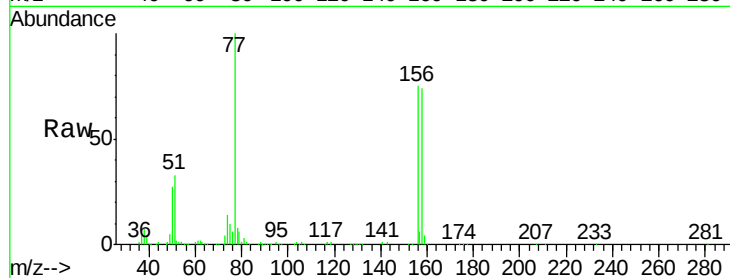
Tot Ion:156 Resp: 202528

Ion Ratio Lower Upper

156 100

77 133.2 84.8 254.4

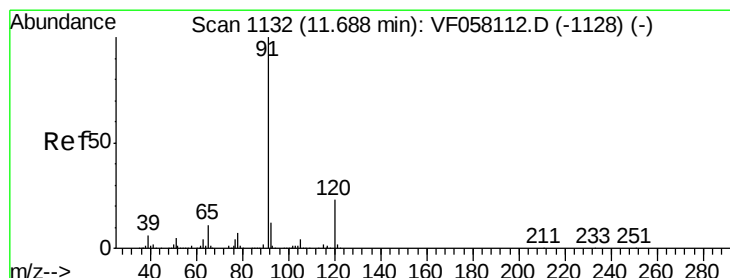
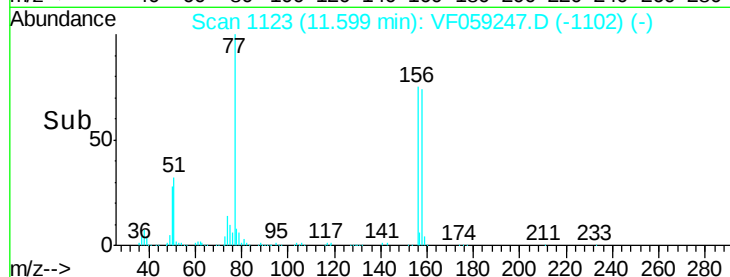
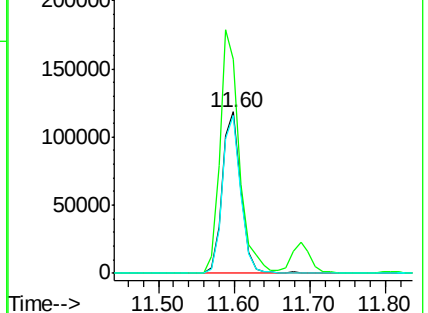
158 98.3 47.9 143.7



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: 48.921 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF059247.D

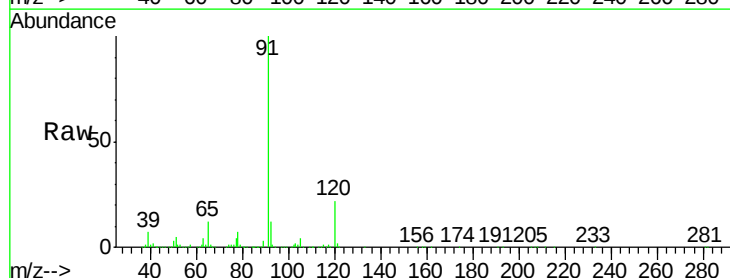
Acq: 21 Jun 2018 2:33

Tgt Ion: 91 Resp: 872567

Ion Ratio Lower Upper

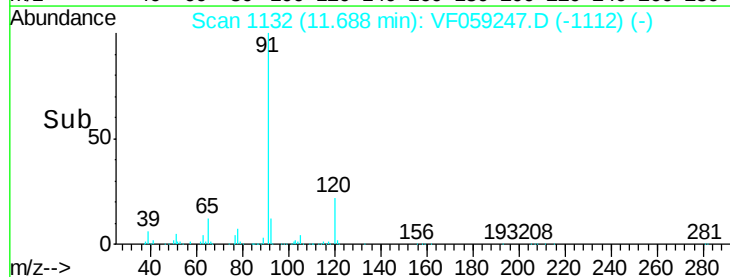
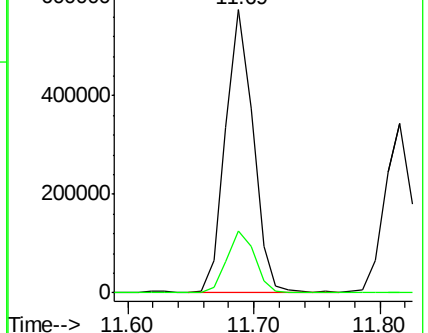
91 100

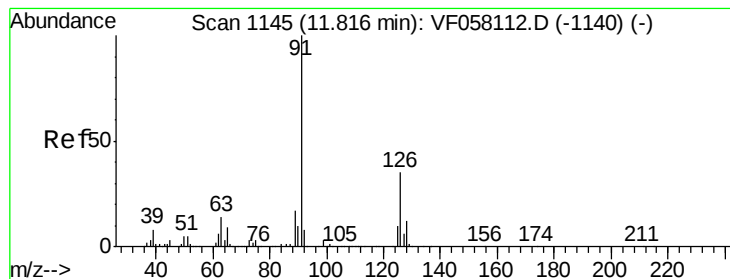
120 22.1 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.677 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

Instrument :

MSVOA_F

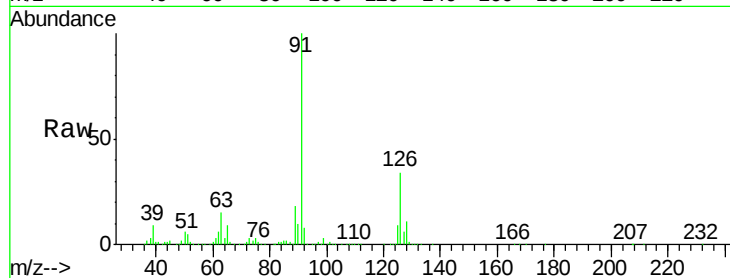
ClientSampleId :

Tot Ion: 91 Resp: 523452

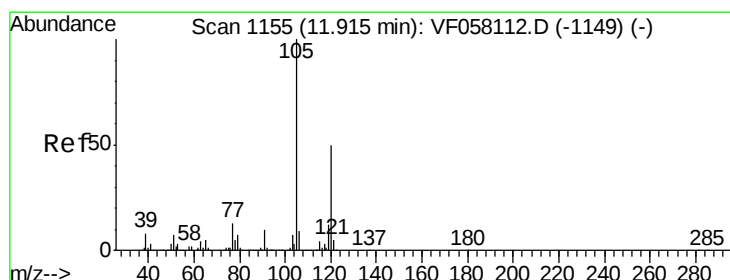
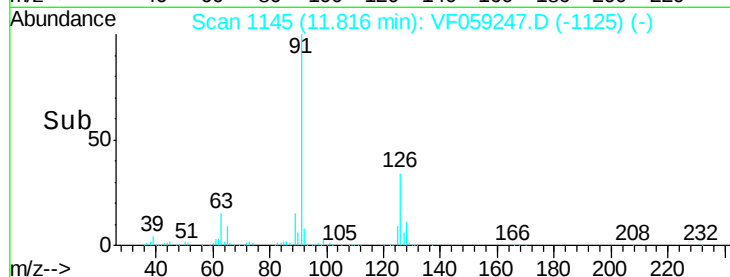
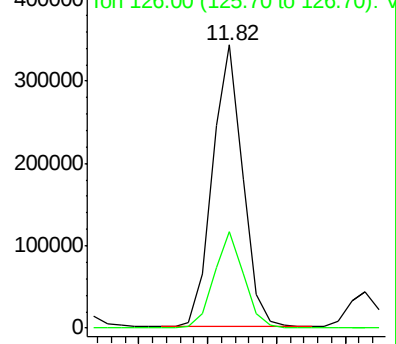
Ion Ratio Lower Upper

91 100

126 34.2 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VF058112.D (-1140) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.311 ug/l

RT: 11.91 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VF059247.D

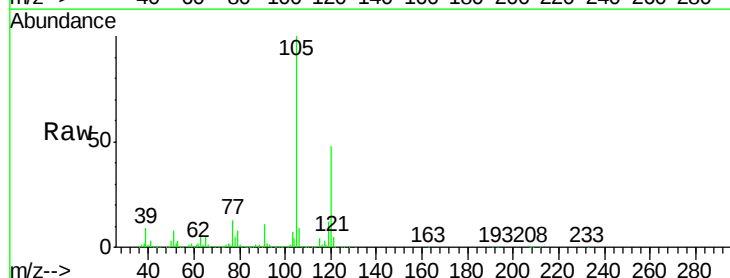
Acq: 21 Jun 2018 2:33

Tgt Ion:105 Resp: 627482

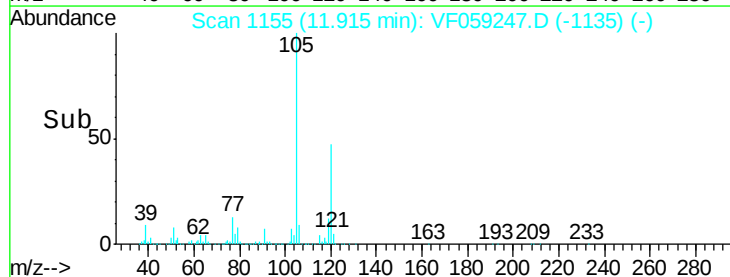
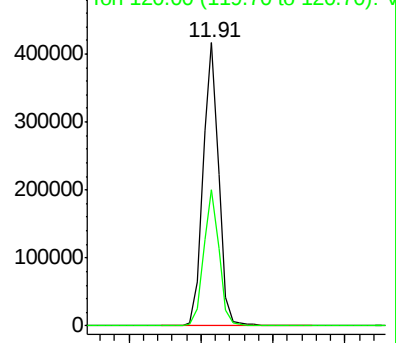
Ion Ratio Lower Upper

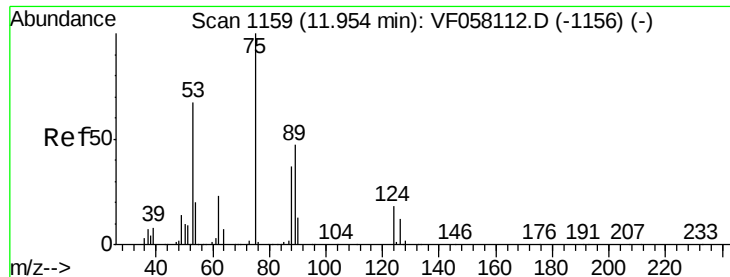
105 100

120 48.2 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VF058112.D (-1149) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 46.439 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

Instrument :

MSVOA_F

ClientSampleId :

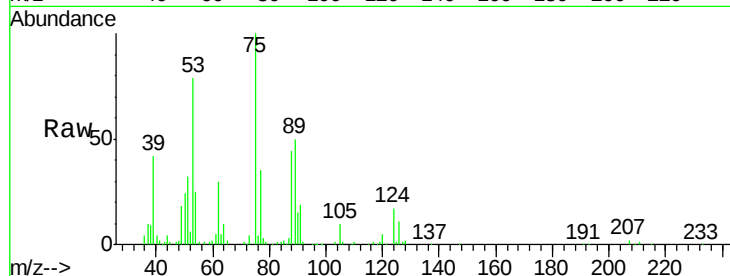
Tot Ion: 75 Resp: 79445

Ion Ratio Lower Upper

75 100

53 79.1 58.7 88.1

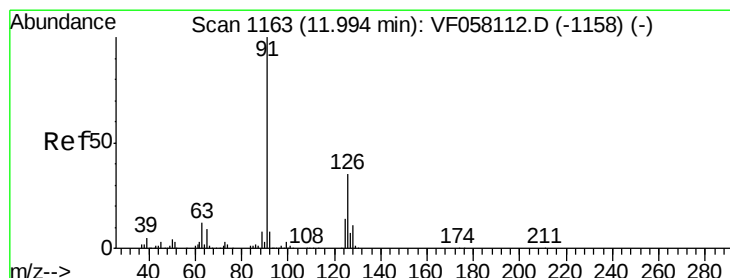
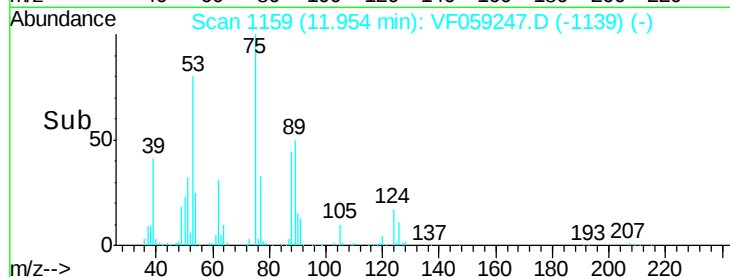
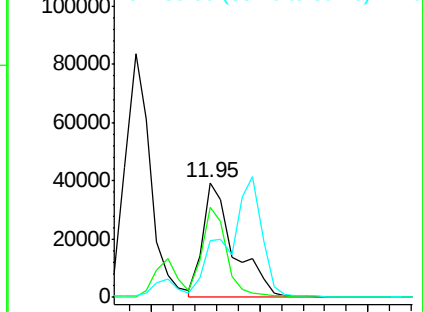
89 50.1 39.8 59.6



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: 51.010 ug/l

RT: 11.99 min Scan# 1163

Delta R.T. -0.00 min

Lab File: VF059247.D

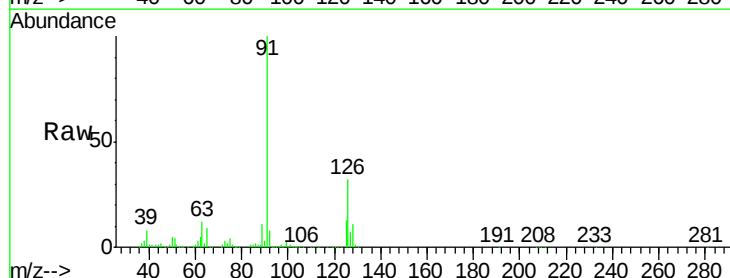
Acq: 21 Jun 2018 2:33

Tgt Ion: 91 Resp: 572227

Ion Ratio Lower Upper

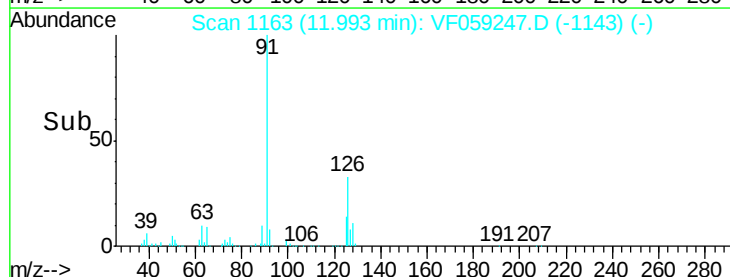
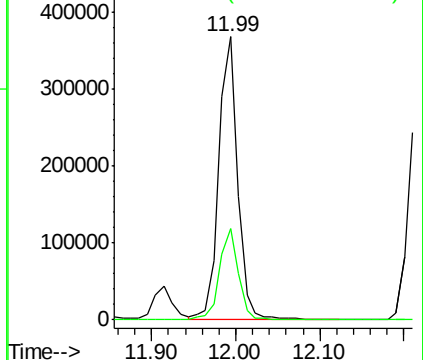
91 100

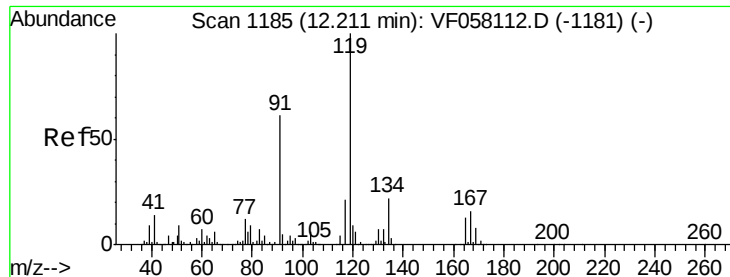
126 32.3 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

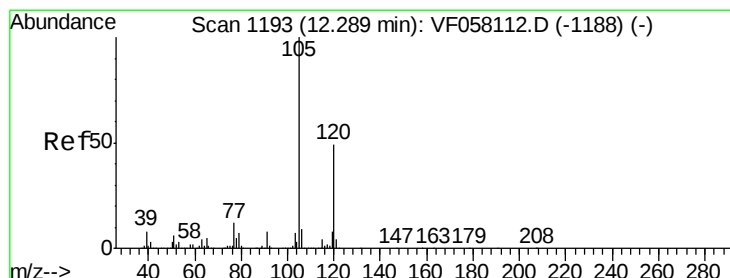
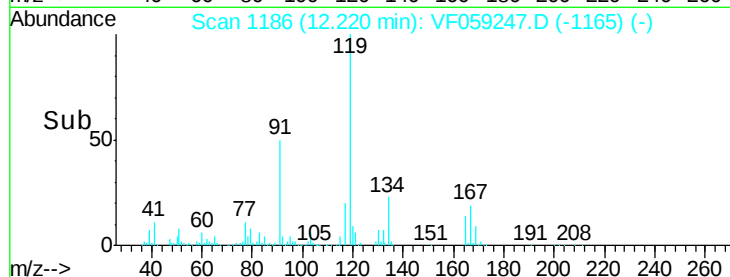
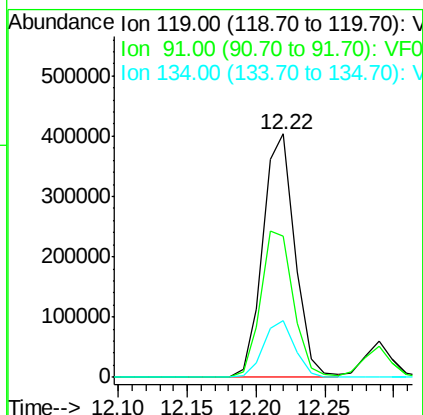
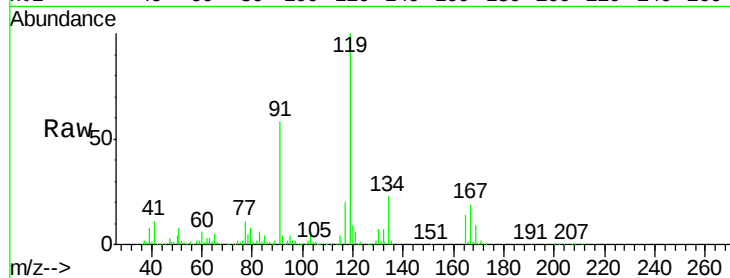




#83
tert-Butylbenzene
Concen: 52.781 ug/l
RT: 12.22 min Scan# 1186
Delta R.T. 0.01 min
Lab File: VF059247.D
Acq: 21 Jun 2018 2:33

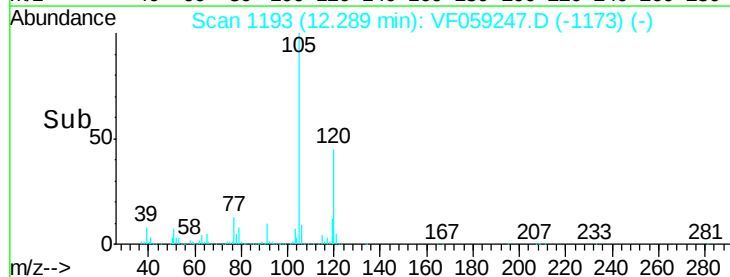
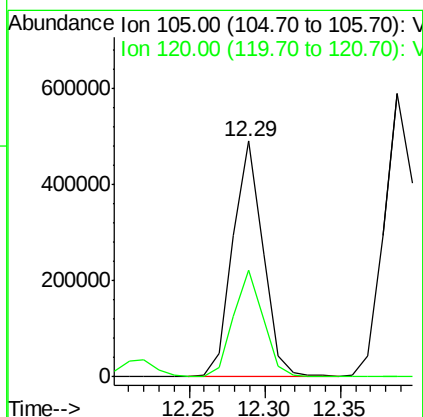
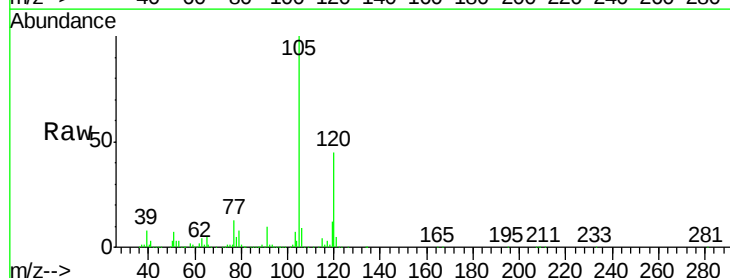
Instrument :
MSVOA_F
ClientSampleId :

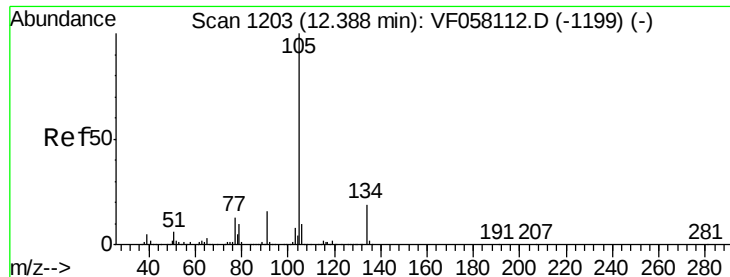
Tot Ion:119 Resp: 653647
Ion Ratio Lower Upper
119 100
91 58.2 30.4 91.3
134 23.4 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 52.707 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. -0.00 min
Lab File: VF059247.D
Acq: 21 Jun 2018 2:33

Tgt Ion:105 Resp: 681124
Ion Ratio Lower Upper
105 100
120 45.3 24.7 74.1





#85

sec-Butylbenzene

Concen: 50.969 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

Instrument :

MSVOA_F

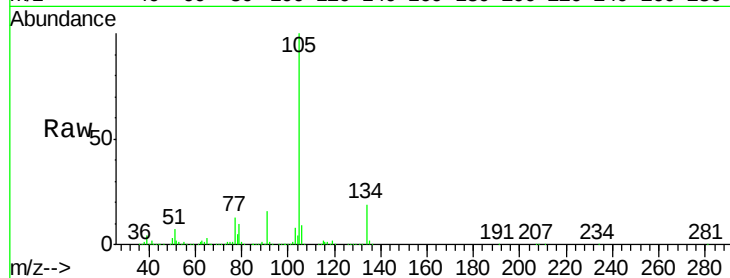
ClientSampleId :

Tot Ion:105 Resp: 857698

Ion Ratio Lower Upper

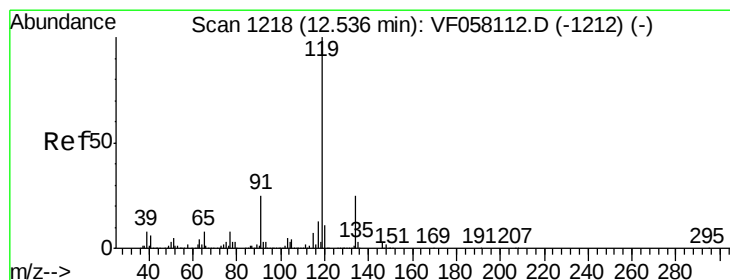
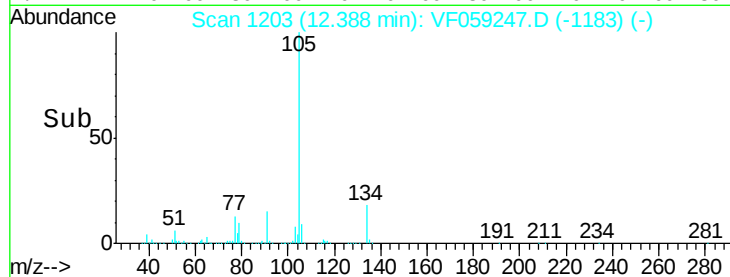
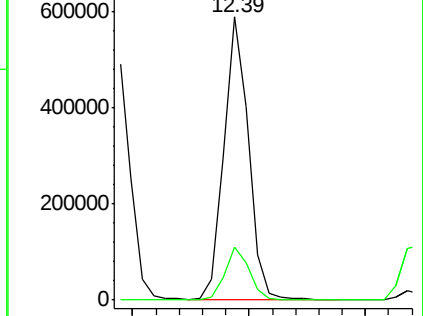
105 100

134 18.5 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.611 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

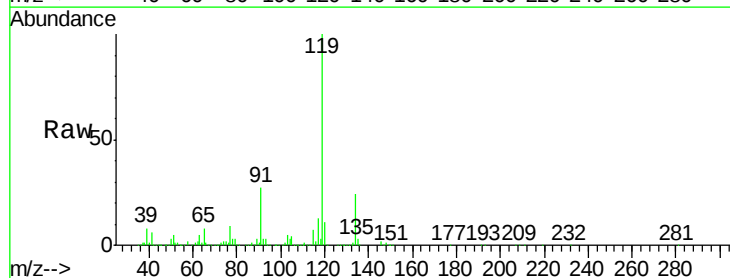
Tgt Ion:119 Resp: 699505

Ion Ratio Lower Upper

119 100

134 23.5 12.7 38.0

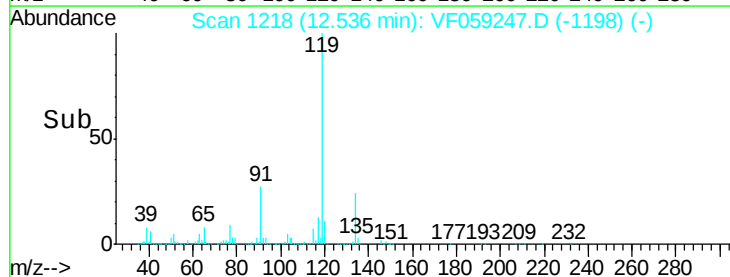
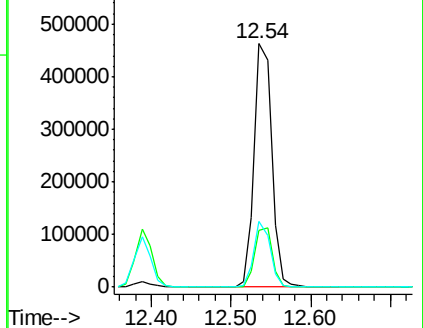
91 27.0 12.6 37.6

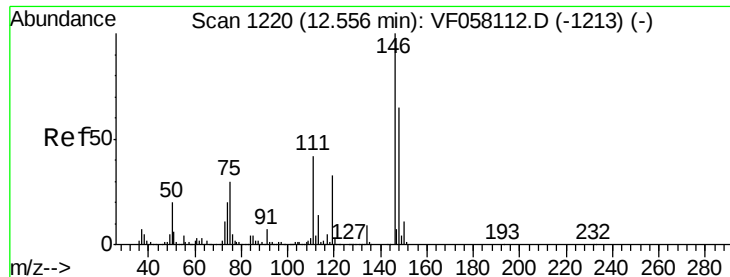


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

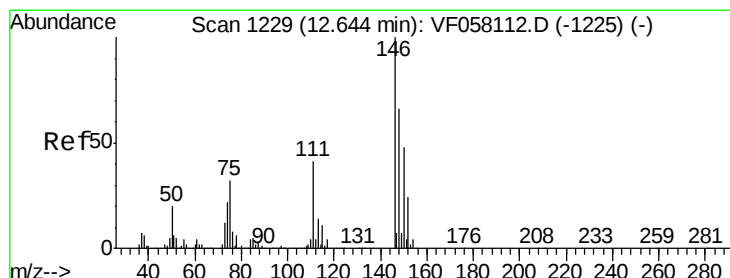
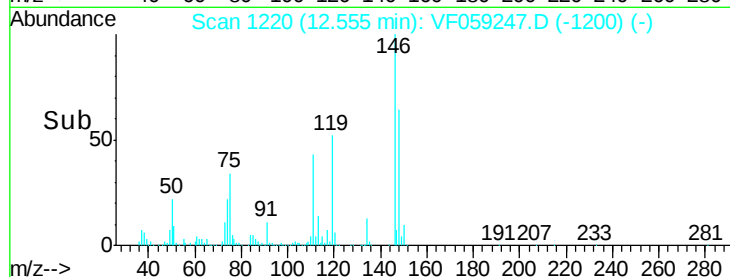
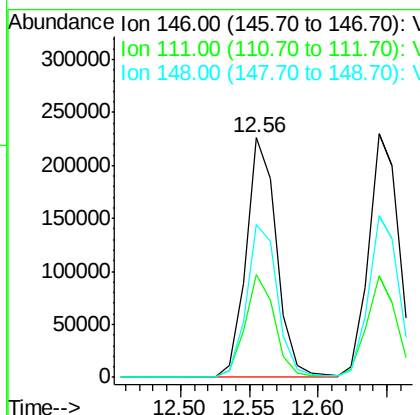
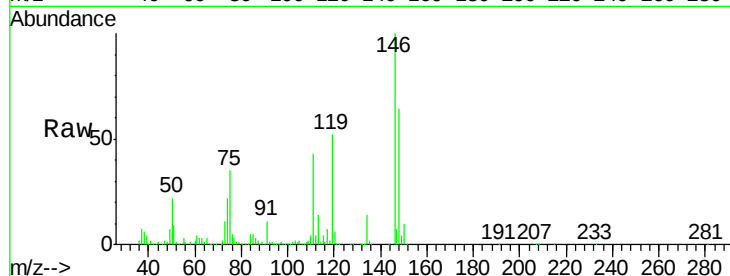




#87
 1,3-Dichlorobenzene
 Concen: 50.113 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VF059247.D
 Acq: 21 Jun 2018 2:33

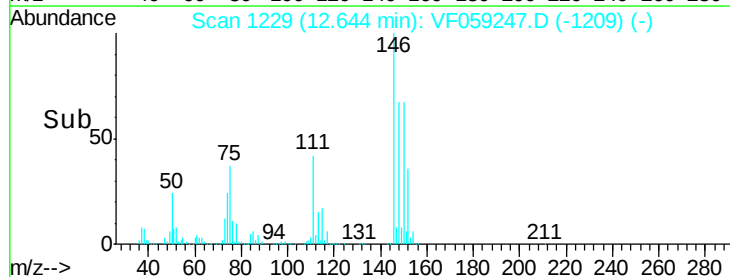
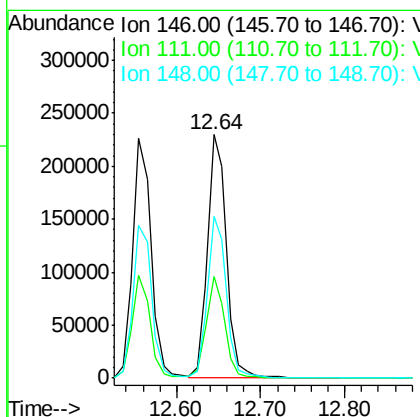
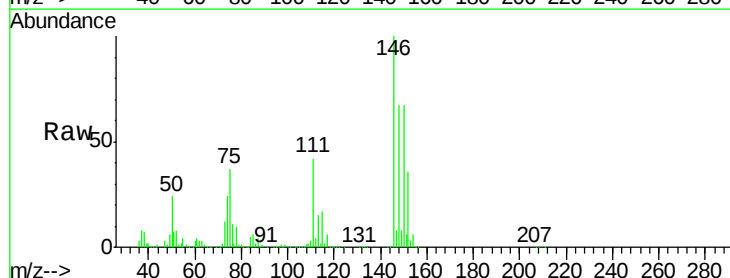
Instrument :
 MSVOA_F
 ClientSampleId :

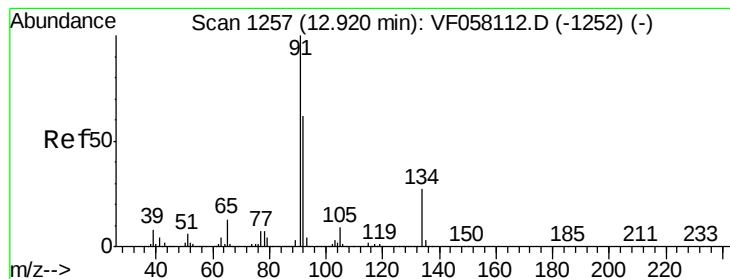
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.8	62.5
148	64.1	32.3	96.9



#88
 1,4-Dichlorobenzene
 Concen: 53.257 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VF059247.D
 Acq: 21 Jun 2018 2:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.4	61.2
148	66.5	33.0	99.0





#89

n-Butylbenzene

Concen: 49.999 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VF059247.D

Acq: 21 Jun 2018 2:33

Instrument :

MSVOA_F

ClientSampleId :

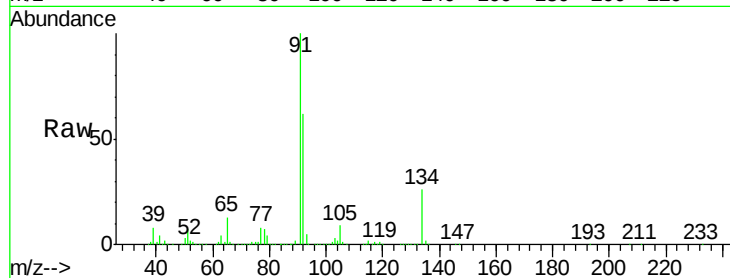
Tot Ion: 91 Resp: 716211

Ion Ratio Lower Upper

91 100

92 61.9 31.1 93.5

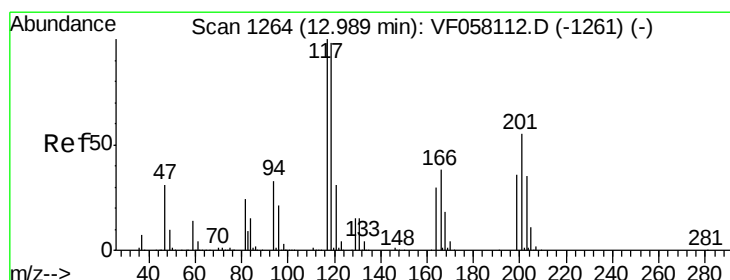
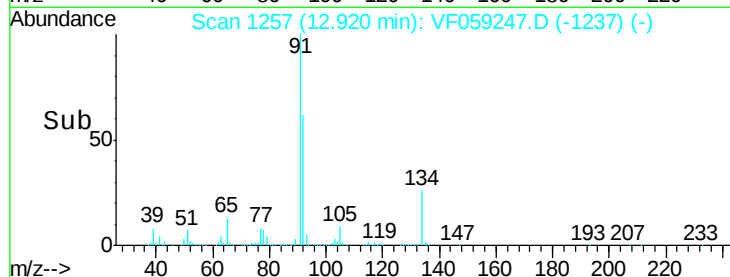
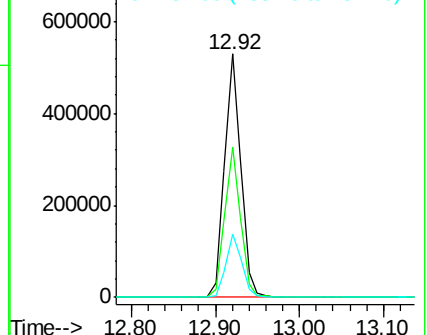
134 26.1 13.6 40.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 51.777 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VF059247.D

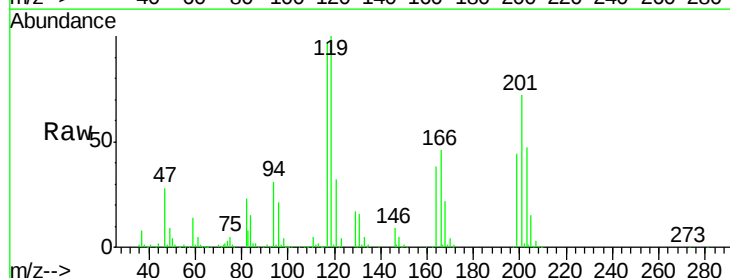
Acq: 21 Jun 2018 2:33

Tgt Ion: 117 Resp: 176231

Ion Ratio Lower Upper

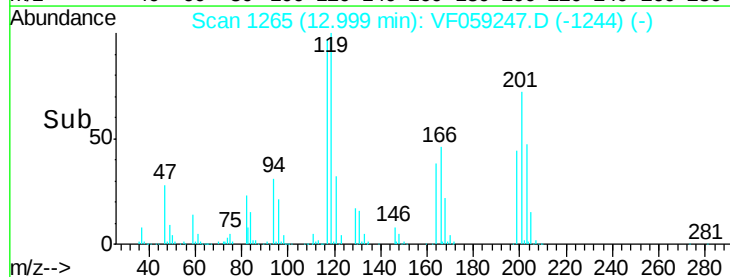
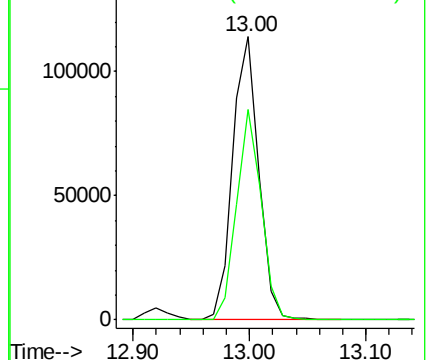
117 100

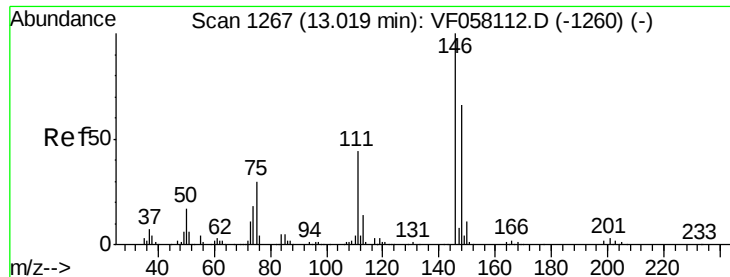
201 74.5 27.5 82.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

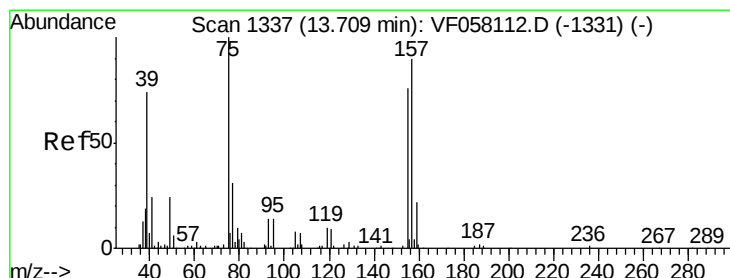
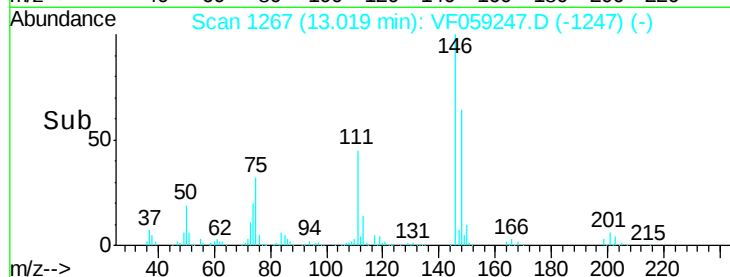
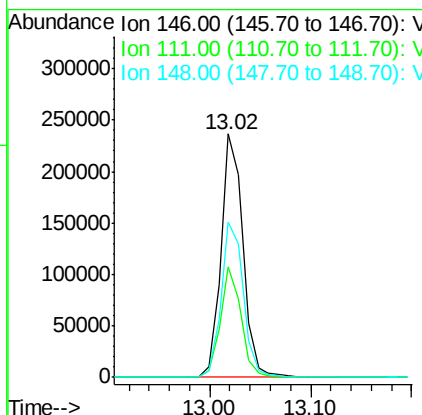
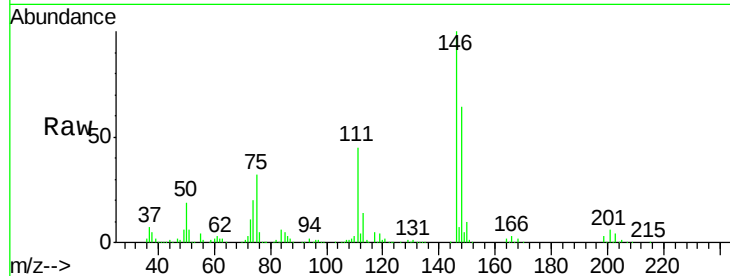




#91
 1,2-Dichlorobenzene
 Concen: 52.916 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VF059247.D
 Acq: 21 Jun 2018 2:33

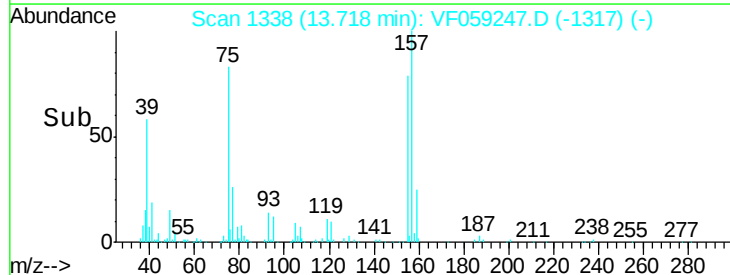
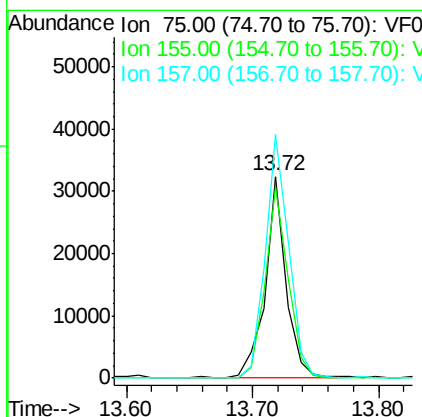
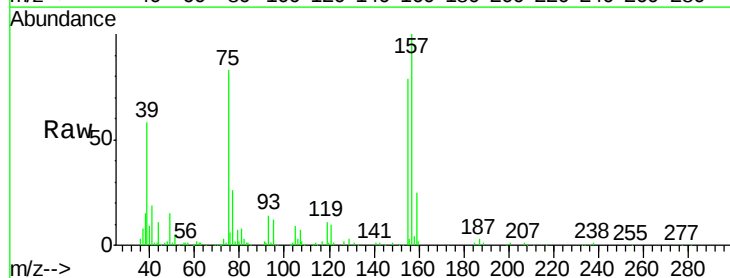
Instrument :
 MSVOA_F
 ClientSampleId :

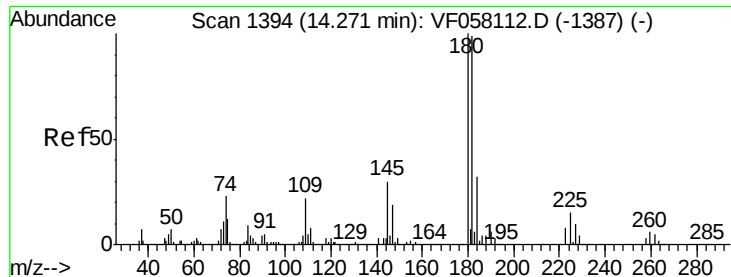
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.4	22.0	66.0
148	63.6	33.1	99.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.395 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.01 min
 Lab File: VF059247.D
 Acq: 21 Jun 2018 2:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.8	38.0	114.0
157	120.8	45.1	135.5

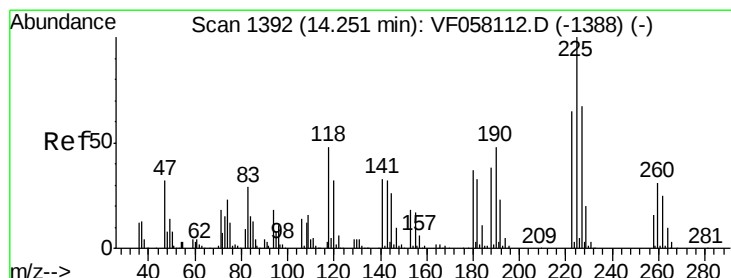
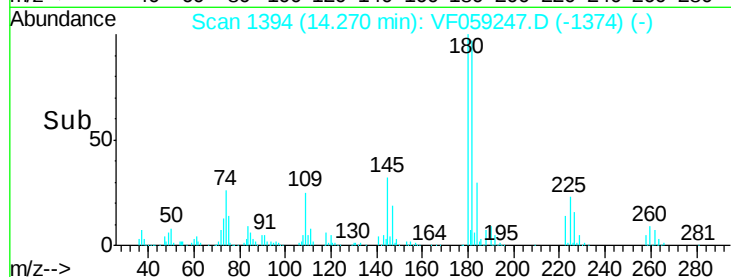
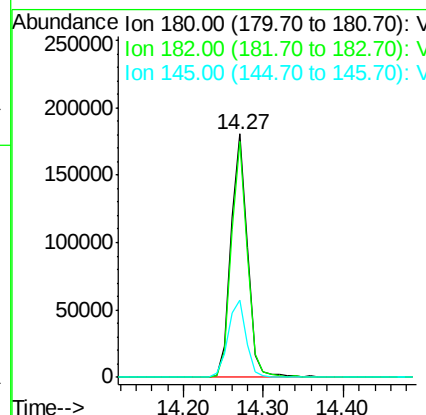
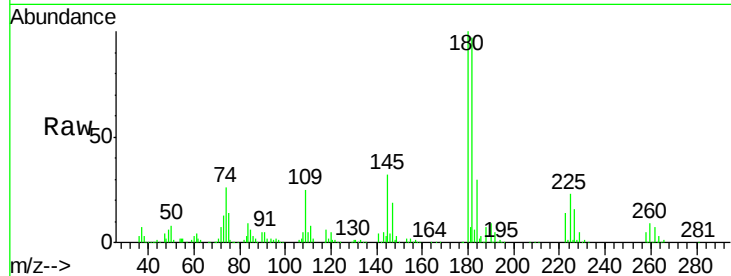




#93
 1,2,4-Trichlorobenzene
 Concen: 56.558 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. -0.00 min
 Lab File: VF059247.D
 Acq: 21 Jun 2018 2:33

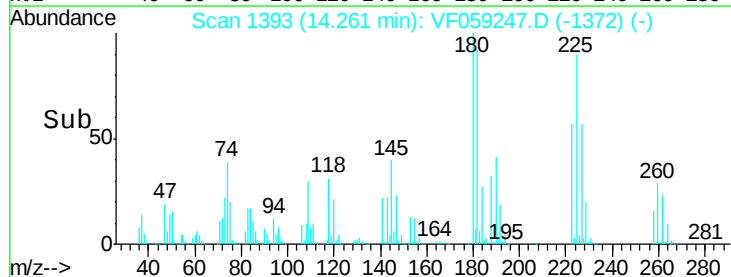
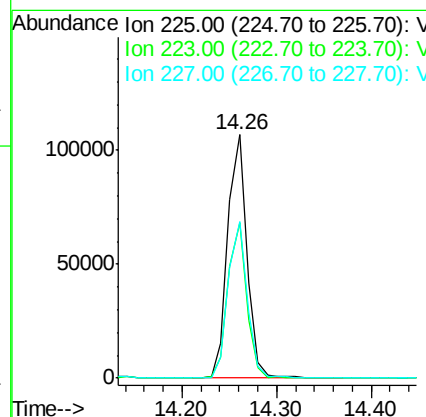
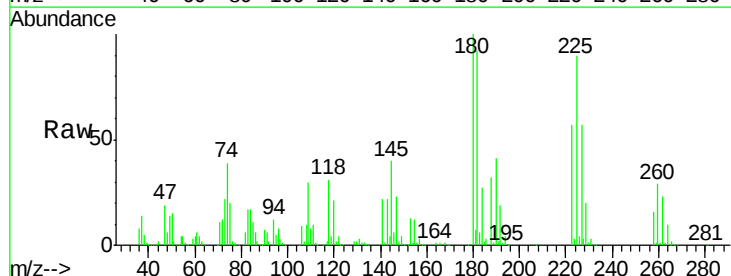
Instrument :
 MSVOA_F
 ClientSampleId :

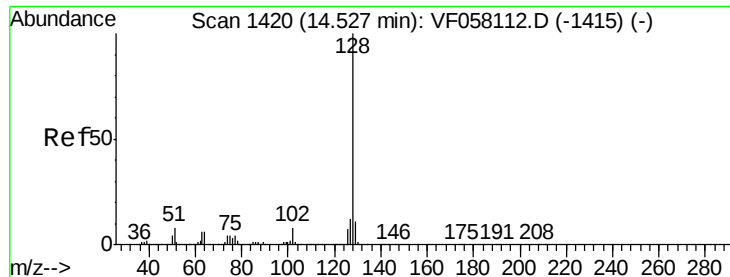
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	49.3	147.9
145	31.7	14.9	44.9



#94
 Hexachlorobutadiene
 Concen: 55.112 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF059247.D
 Acq: 21 Jun 2018 2:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	32.8	98.3
227	64.1	33.3	99.9

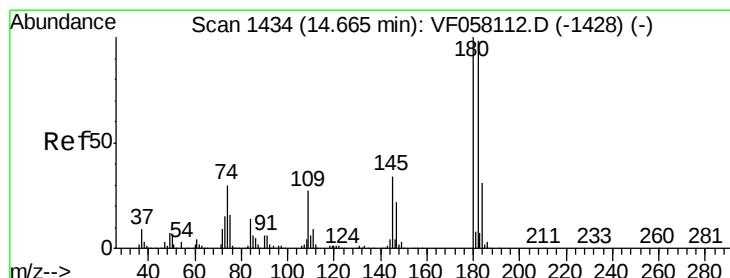
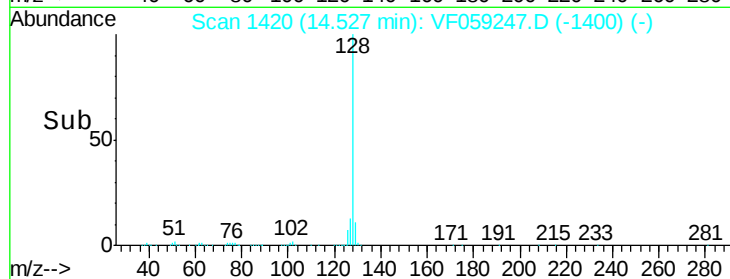
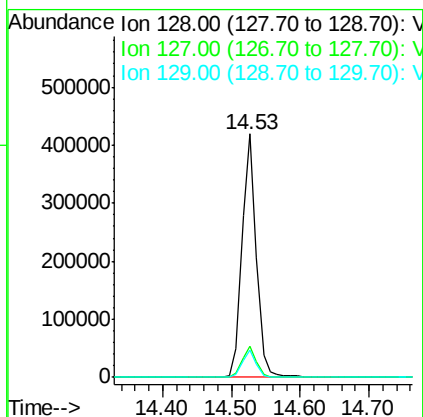
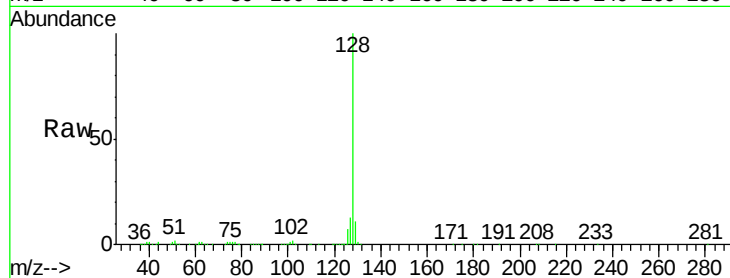




#95
Naphthalene
Concen: 59.947 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. -0.00 min
Lab File: VF059247.D
Acq: 21 Jun 2018 2:33

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 604102
Ion Ratio Lower Upper
128 100
127 12.6 9.9 14.9
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 57.945 ug/l
RT: 14.67 min Scan# 1435
Delta R.T. 0.01 min
Lab File: VF059247.D
Acq: 21 Jun 2018 2:33

Tgt Ion:180 Resp: 252630
Ion Ratio Lower Upper
180 100
182 94.0 48.9 146.6
145 28.3 17.3 51.7

