

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW070318\
 Data File : VW003709.D
 Acq On : 03 Jul 2018 19:44
 Operator : SY/AP
 Sample : J3845-15MSD
 Misc : 5.03G/5ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GF-G-9MSD

Quant Time: Jul 05 02:40:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 08:55:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	214326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	330024	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	310081	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	158290	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	129635	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
35) Dibromofluoromethane	7.88	113	118346	54.98	ug/l	0.00
Spiked Amount			Recovery	=	109.96%	
50) Toluene-d8	10.33	98	472479	55.92	ug/l	0.00
Spiked Amount			Recovery	=	111.84%	
62) 4-Bromofluorobenzene	12.62	95	160698	52.94	ug/l	0.00
Spiked Amount			Recovery	=	105.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	54162	46.978	ug/l	99
3) Chloromethane	2.21	50	87489	51.245	ug/l	99
4) Vinyl Chloride	2.36	62	126074	54.124	ug/l	100
5) Bromomethane	2.78	94	78902	51.663	ug/l	97
6) Chloroethane	2.92	64	73157	52.195	ug/l	95
7) Trichlorofluoromethane	3.25	101	59055	47.676	ug/l	98
8) Diethyl Ether	3.67	74	55936	48.804	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	105002	51.010	ug/l	99
10) Methyl Iodide	4.26	142	156774	51.866	ug/l	99
11) Tert butyl alcohol	5.21	59	30014	187.716	ug/l #	89
12) 1,1-Dichloroethene	4.03	96	102407	49.914	ug/l	99
13) Acrolein	3.89	56	5077	65.440	ug/l	94
14) Allyl chloride	4.66	41	177930	50.708	ug/l	98
15) Acrylonitrile	5.37	53	110015	206.963	ug/l	99
16) Acetone	4.13	43	118092	193.611	ug/l	97
17) Carbon Disulfide	4.37	76	304512	49.441	ug/l	100
18) Methyl Acetate	4.67	43	99773	74.921	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	194122	48.439	ug/l	99
20) Methylene Chloride	4.91	84	121331	52.062	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	111800	49.755	ug/l	98
22) Diisopropyl ether	6.31	45	372637	51.797	ug/l	99
23) Vinyl Acetate	6.26	43	774641	163.867	ug/l	99
24) 1,1-Dichloroethane	6.21	63	221146	51.547	ug/l	99
25) 2-Butanone	7.18	43	159378	204.067	ug/l	95
26) 2,2-Dichloropropane	7.17	77	124773	47.433	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	124400	50.839	ug/l	98
28) Bromochloromethane	7.51	49	93856	49.768	ug/l	100
29) Tetrahydrofuran	7.54	42	99794	213.156	ug/l	100
30) Chloroform	7.68	83	224708	51.798	ug/l	99
31) Cyclohexane	7.95	56	193381	49.505	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	177787	52.646	ug/l	100
36) 1,1-Dichloropropene	8.08	75	177661	53.627	ug/l	100
37) Ethyl Acetate	7.26	43	59930	37.164	ug/l	99
38) Carbon Tetrachloride	8.07	117	168741	53.543	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	195442	51.229	ug/l	99
40) Benzene	8.32	78	501559	53.865	ug/l	99
41) Methacrylonitrile	7.49	41	41026	44.760	ug/l	98
42) 1,2-Dichloroethane	8.40	62	148617	50.690	ug/l	99
43) Isopropyl Acetate	8.43	43	124670	41.049	ug/l	98
44) Trichloroethene	9.09	130	126716	52.642	ug/l	100
45) 1,2-Dichloropropane	9.37	63	128134	53.047	ug/l	99
46) Dibromomethane	9.46	93	61875	49.325	ug/l	99
47) Bromodichloromethane	9.65	83	164905	53.179	ug/l	97
48) Methyl methacrylate	9.44	41	70777	44.497	ug/l	98
49) 1,4-Dioxane	9.46	88	15764	801.076	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	364310	227.643	ug/l	99
52) Toluene	10.39	92	316412	54.453	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	160477	49.882	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	187875	51.511	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	86348	48.858	ug/l	97
56) Ethyl methacrylate	10.65	69	102299	41.449	ug/l	100
57) 1,3-Dichloropropane	10.93	76	151990	49.506	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	214242	226.793	ug/l	100
59) 2-Hexanone	10.98	43	259308	226.669	ug/l	98
60) Dibromochloromethane	11.13	129	103837	50.259	ug/l	99
61) 1,2-Dibromoethane	11.24	107	80320	47.448	ug/l	99
64) Tetrachloroethene	10.87	164	114449	54.609	ug/l	96
65) Chlorobenzene	11.66	112	337320	51.744	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	121870	53.492	ug/l	99
67) Ethyl Benzene	11.74	91	617122	54.028	ug/l	99
68) m/p-Xylenes	11.84	106	469859	108.172	ug/l	99
69) o-Xylene	12.17	106	220336	54.872	ug/l	100
70) Styrene	12.19	104	363591	53.910	ug/l	98
71) Bromoform	12.35	173	60490	47.784	ug/l #	100
73) Isopropylbenzene	12.47	105	602897	55.993	ug/l	100
74) N-amyl acetate	12.28	43	101928	35.850	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	101652	48.266	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	135807	95.420	ug/l #	100
77) Bromobenzene	12.75	156	136708	52.904	ug/l	99
78) n-propylbenzene	12.81	91	728053	54.734	ug/l	100
79) 2-Chlorotoluene	12.90	91	415007	54.828	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	506023	55.554	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	31016	46.176	ug/l	98
82) 4-Chlorotoluene	12.99	91	434425	54.066	ug/l	99
83) tert-Butylbenzene	13.21	119	428546	55.775	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	521425	55.605	ug/l	100
85) sec-Butylbenzene	13.39	105	602837	52.726	ug/l	100
86) p-Isopropyltoluene	13.51	119	534056	53.403	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	270616	51.600	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	267191	50.984	ug/l	99
89) n-Butylbenzene	13.83	91	488462	49.404	ug/l	99
90) Hexachloroethane	14.10	117	99242	53.416	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	243348	51.895	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16924	46.120	ug/l	97

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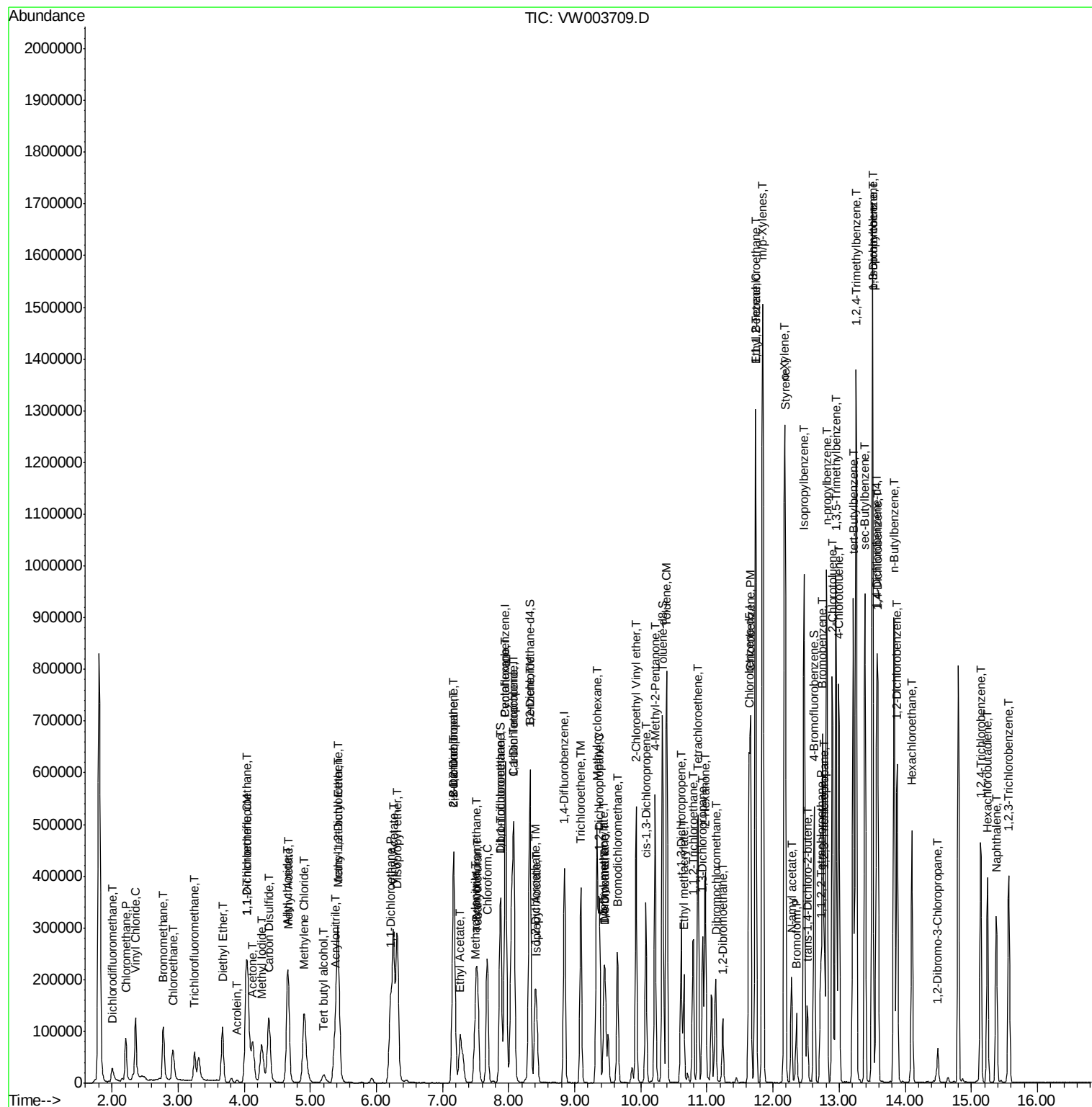
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	146110	44.190	ug/l	99
94) Hexachlorobutadiene	15.24	225	73970	38.735	ug/l	99
95) Naphthalene	15.38	128	269828	44.996	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	132846	45.104	ug/l	99

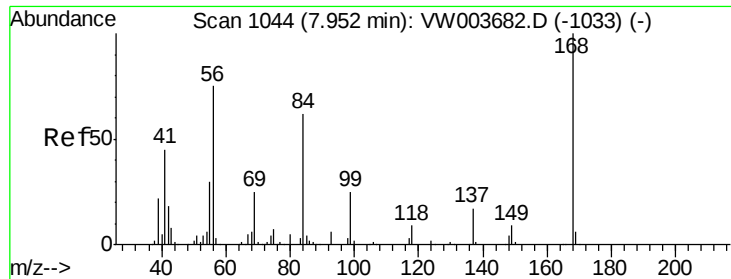
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003709.D

Acq: 03 Jul 2018 19:44

Instrument :

MSVOA_W

ClientSampleId :

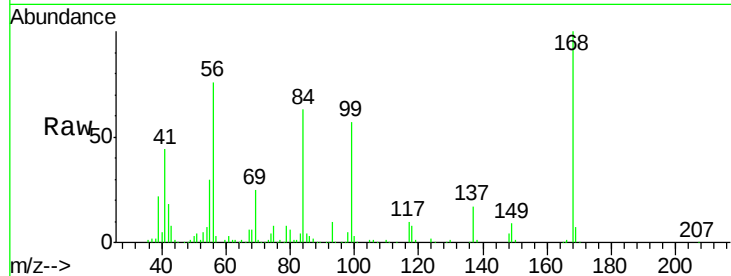
GF-G-9MSD

Tgt Ion:168 Resp: 214326

Ion Ratio Lower Upper

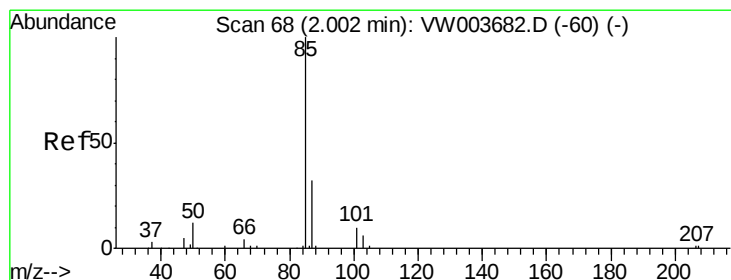
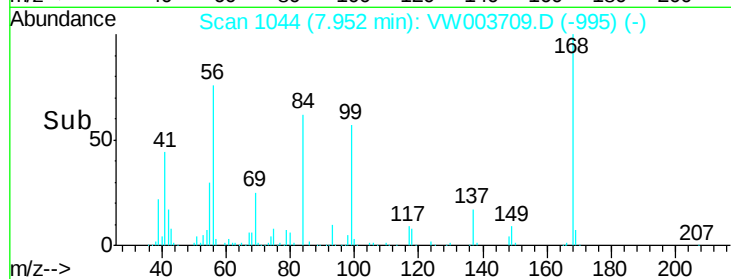
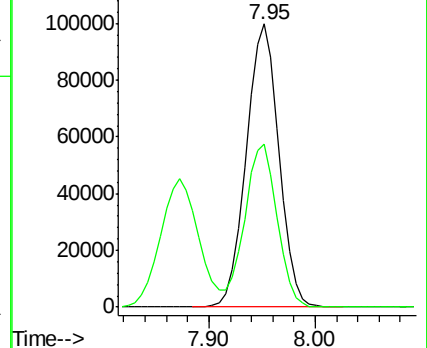
168 100

99 57.4 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 46.978 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW003709.D

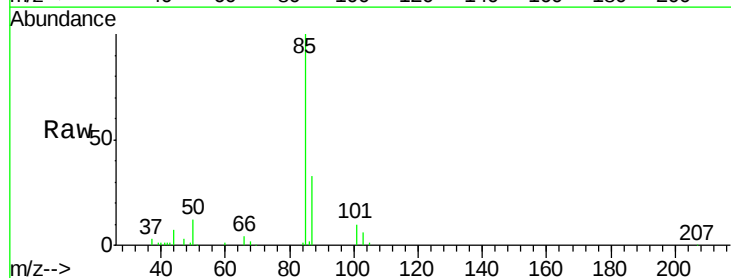
Acq: 03 Jul 2018 19:44

Tgt Ion: 85 Resp: 54162

Ion Ratio Lower Upper

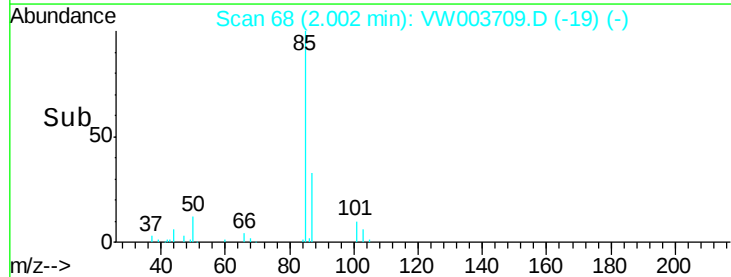
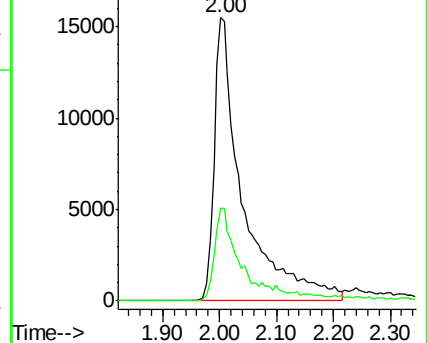
85 100

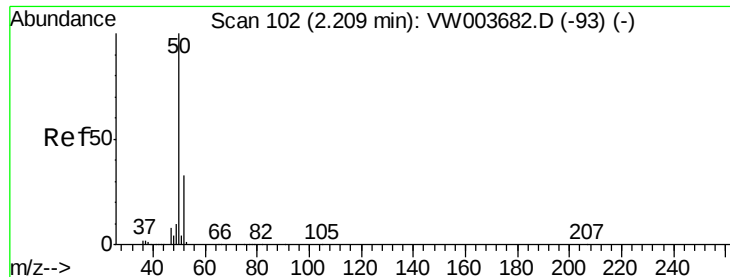
87 32.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 51.245 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003709.D

Acq: 03 Jul 2018 19:44

Instrument :

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ClientSampleId :

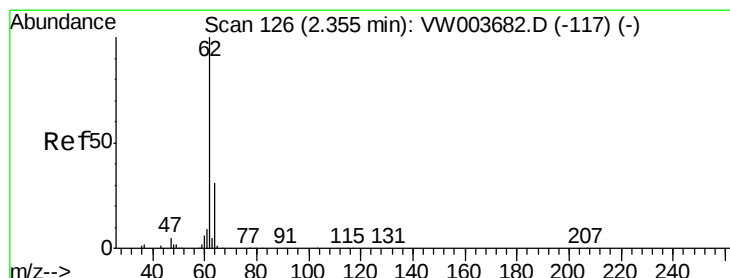
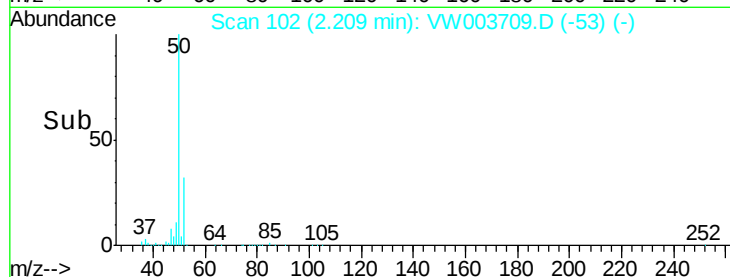
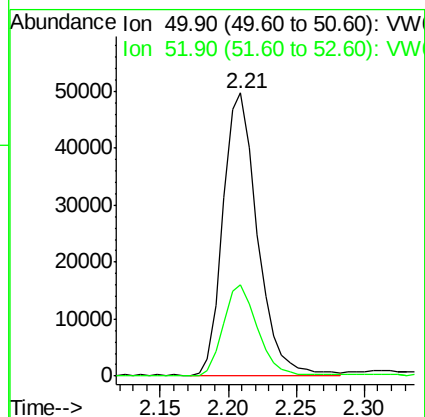
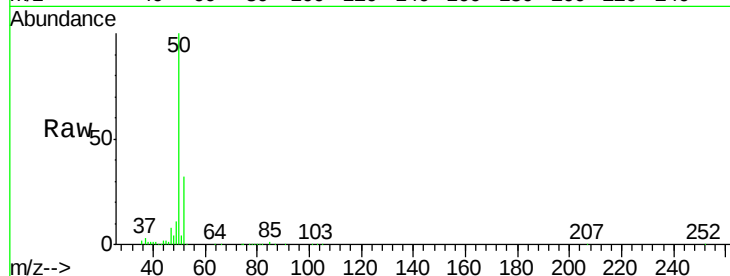
GF-G-9MSD

Tgt Ion: 50 Resp: 87489

Ion Ratio Lower Upper

50 100

52 32.2 26.1 39.1



#4

Vinyl Chloride

Concen: 54.124 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003709.D

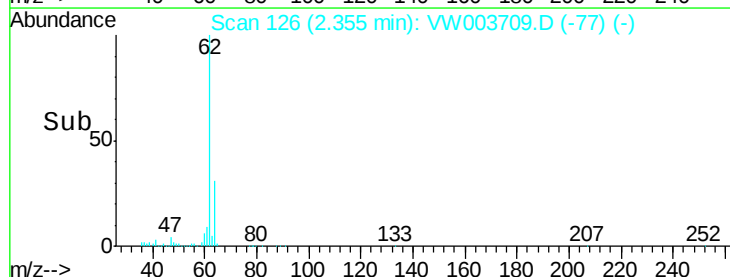
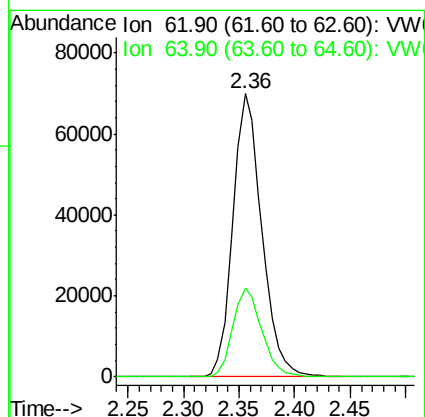
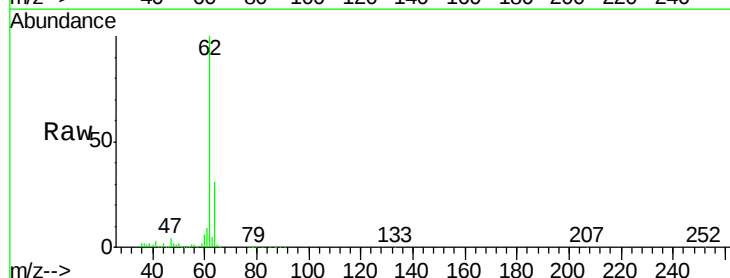
Acq: 03 Jul 2018 19:44

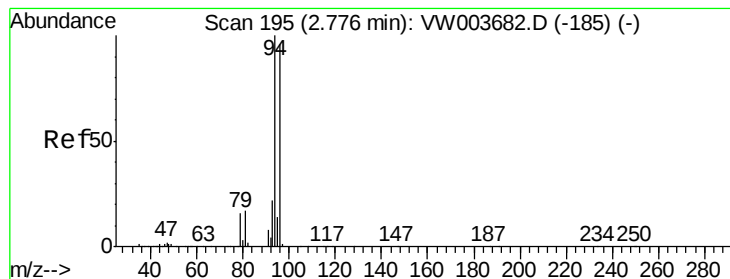
Tgt Ion: 62 Resp: 126074

Ion Ratio Lower Upper

62 100

64 31.2 25.1 37.7





#5

Bromomethane

Concen: 51.663 ug/l

RT: 2.78 min Scan# 195

Delta R.T. 0.00 min

Lab File: VW003709.D

Acq: 03 Jul 2018 19:44

Instrument :

MSVOA_W

ClientSampleId :

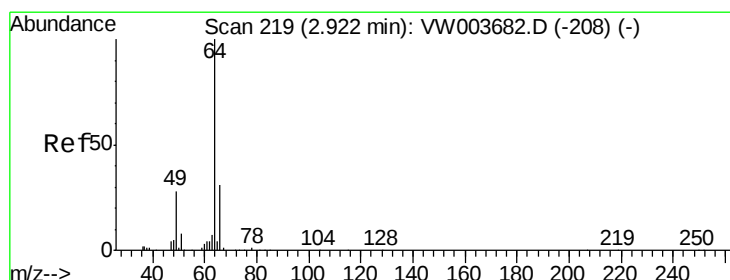
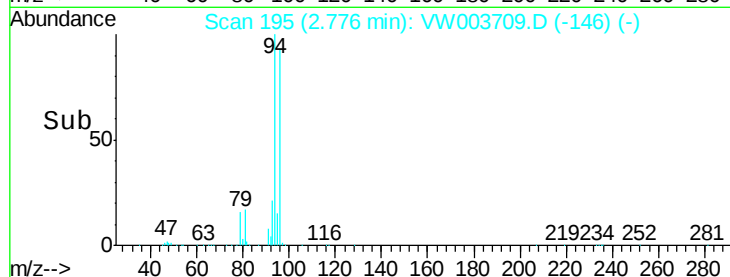
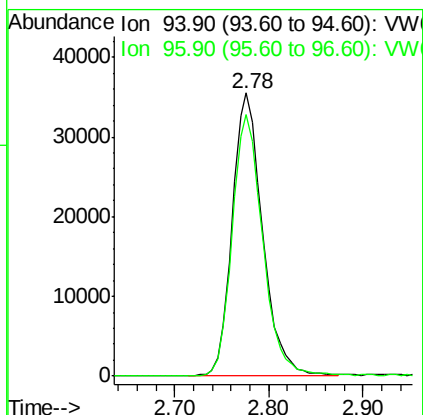
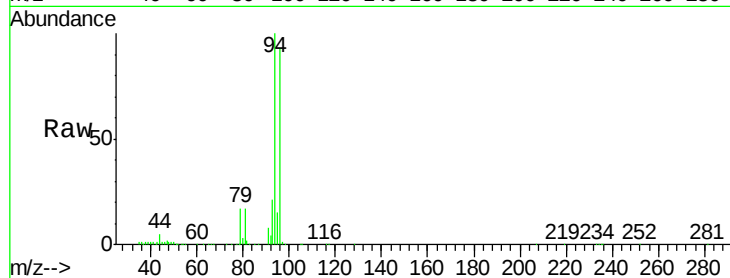
GF-G-9MSD

Tgt Ion: 94 Resp: 78902

Ion Ratio Lower Upper

94 100

96 92.4 76.6 115.0



#6

Chloroethane

Concen: 52.195 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW003709.D

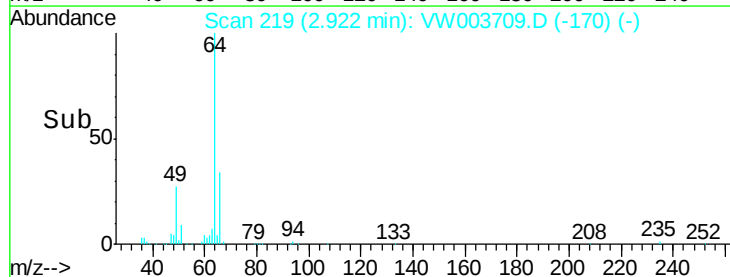
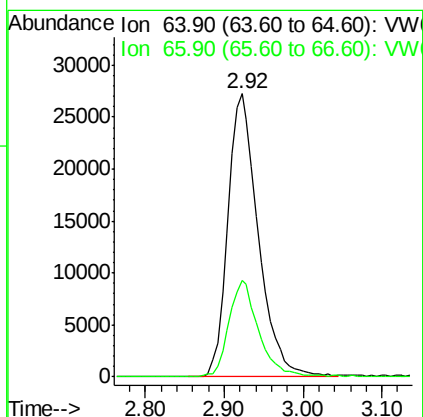
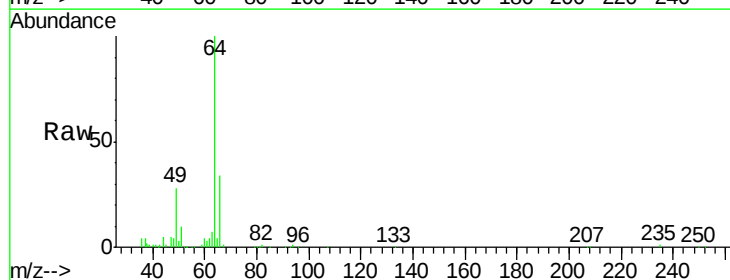
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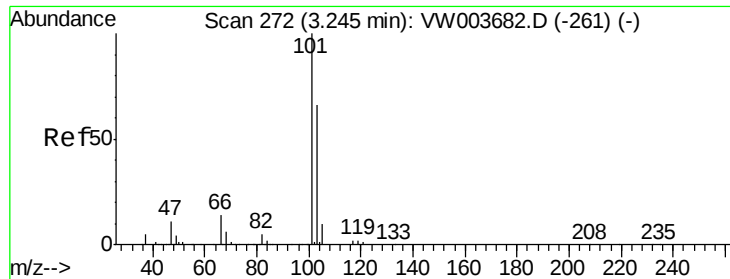
Tgt Ion: 64 Resp: 73157

Ion Ratio Lower Upper

64 100

66 34.2 25.0 37.6



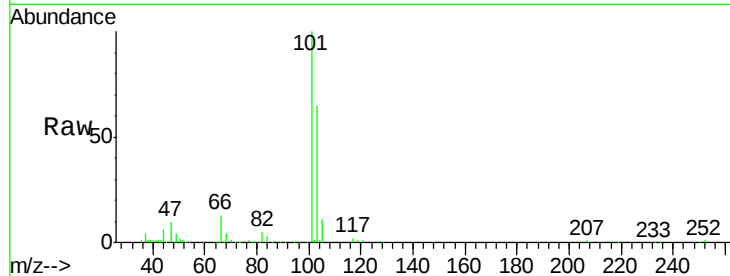


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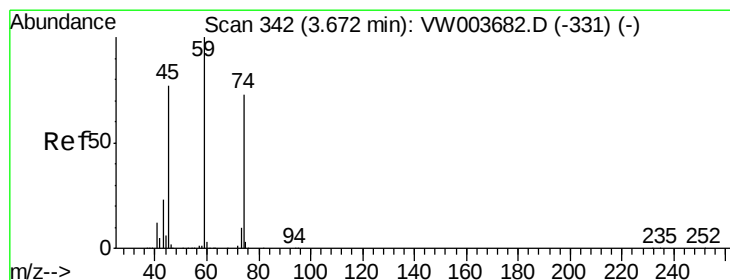
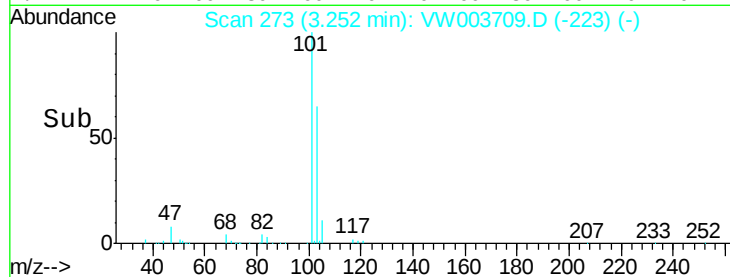
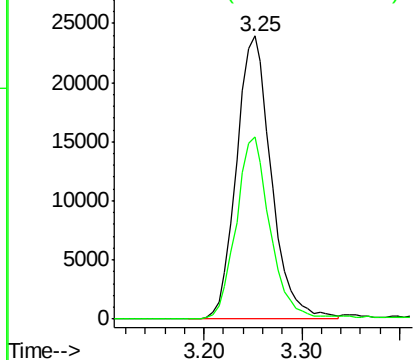
Trichlorofluoromethane
Concen: 47.676 ug/l
RT: 3.25 min Scan# 273
Delta R.T. 0.01 min
Lab File: VW003709.D
Acq: 03 Jul 2018 19:44

Instrument :
MSVOA_W
ClientSampleId :
GF-G-9MSD

Tgt Ion: 101 Resp: 59055
Ion Ratio Lower Upper
101 100
103 64.6 52.9 79.3



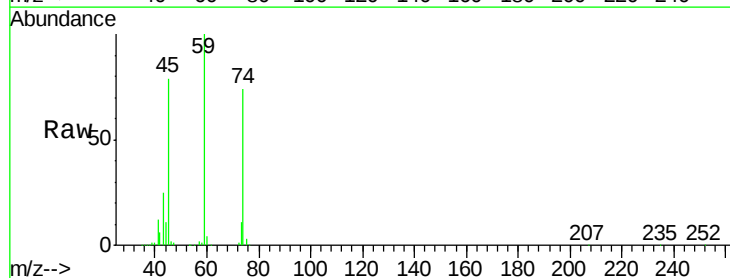
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



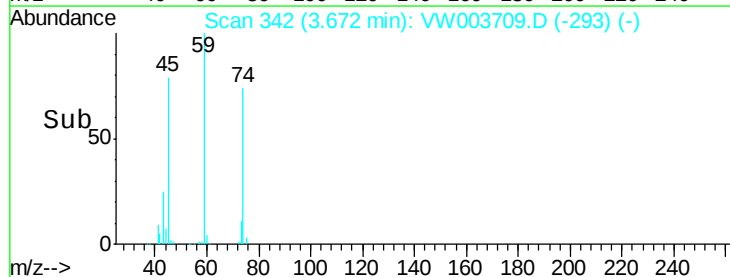
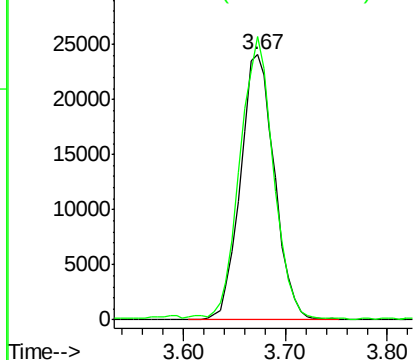
#8

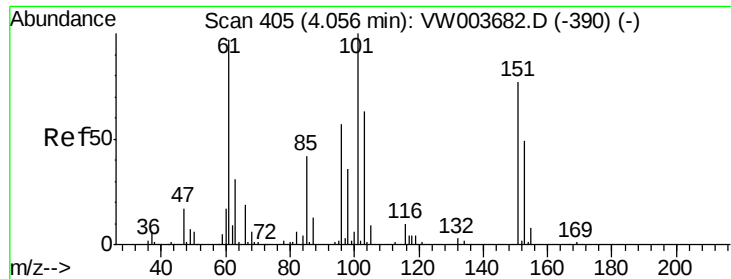
Diethyl Ether
Concen: 48.804 ug/l
RT: 3.67 min Scan# 342
Delta R.T. 0.00 min
Lab File: VW003709.D
Acq: 03 Jul 2018 19:44

Tgt Ion: 74 Resp: 55936
Ion Ratio Lower Upper
74 100
45 104.4 53.5 160.5



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.010 ug/l

RT: 4.05 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW003709.D

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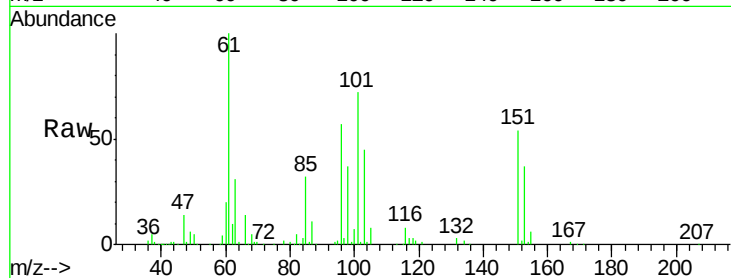
Tgt Ion:101 Resp: 105002

Ion Ratio Lower Upper

101 100

85 45.4 36.6 55.0

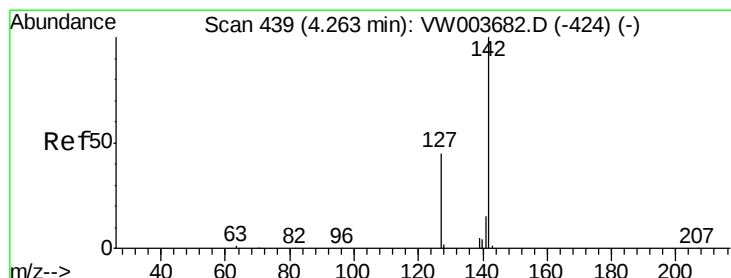
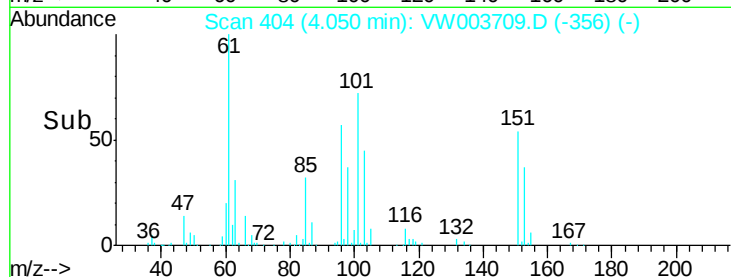
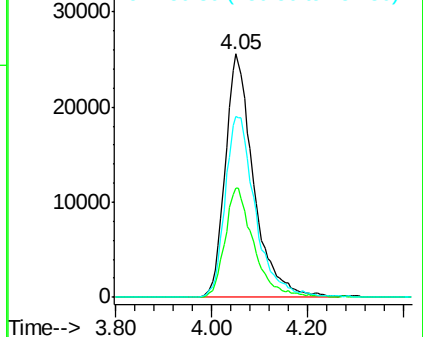
151 79.1 62.4 93.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.866 ug/l

RT: 4.26 min Scan# 439

Delta R.T. 0.00 min

Lab File: VW003709.D

Acq: 03 Jul 2018 19:44

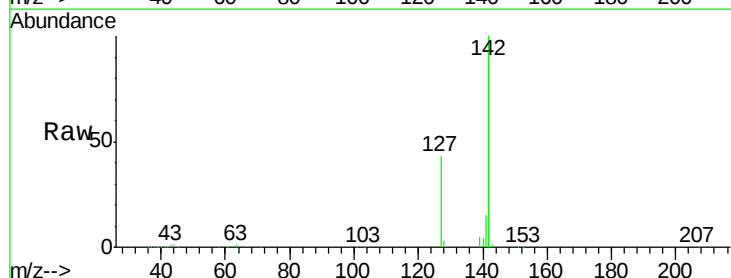
Tgt Ion:142 Resp: 156774

Ion Ratio Lower Upper

142 100

127 46.1 36.0 54.0

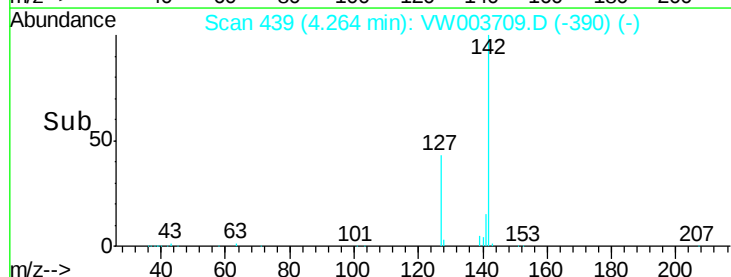
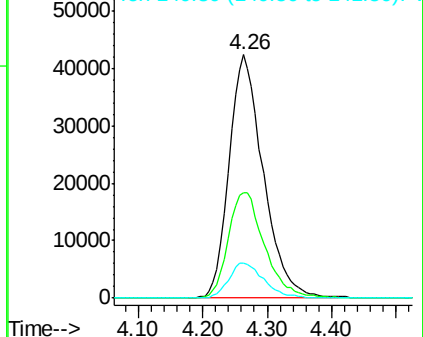
141 14.8 11.9 17.9

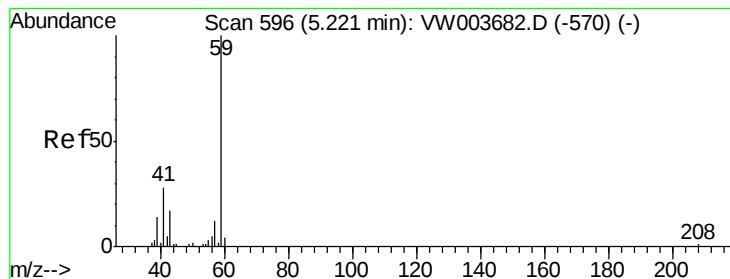


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 187.716 ug/l

RT: 5.21 min Scan# 594

Delta R.T. -0.01 min

Lab File: VW003709.D

Acq: 03 Jul 2018 19:44

Instrument :

MSVOA_W

ClientSampled :

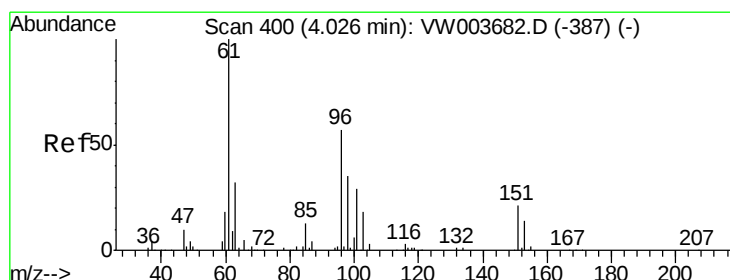
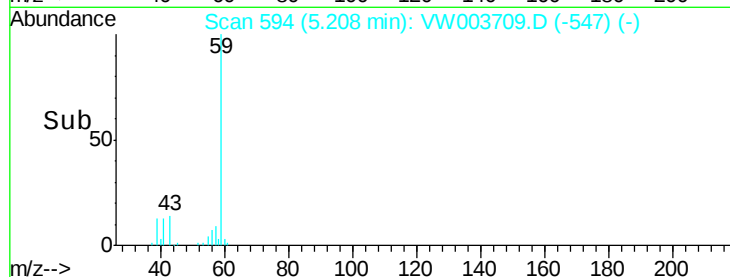
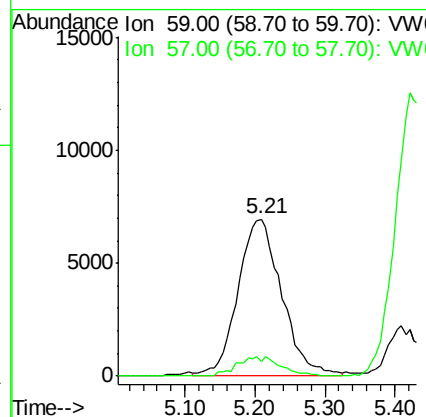
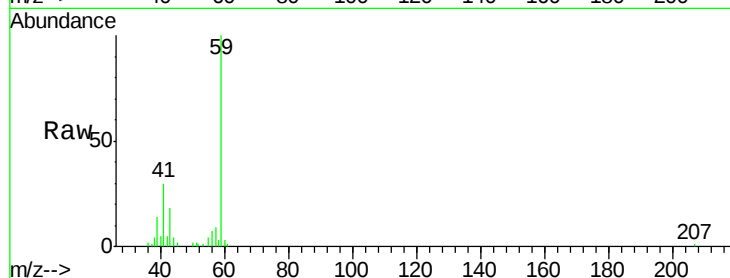
GF-G-9MSD

Tgt Ion: 59 Resp: 30014

Ion Ratio Lower Upper

59 100

57 6.9 9.0 13.4#



#12

1,1-Dichloroethene

Concen: 49.914 ug/l

RT: 4.03 min Scan# 401

Delta R.T. 0.01 min

Lab File: VW003709.D

Acq: 03 Jul 2018 19:44

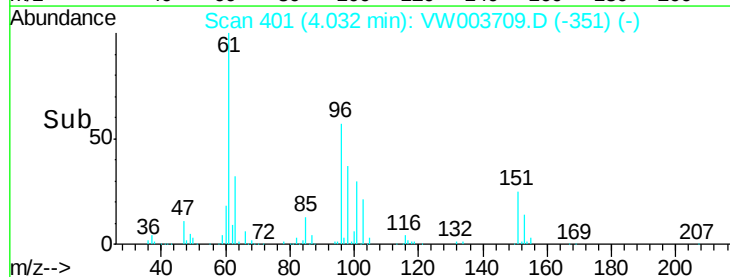
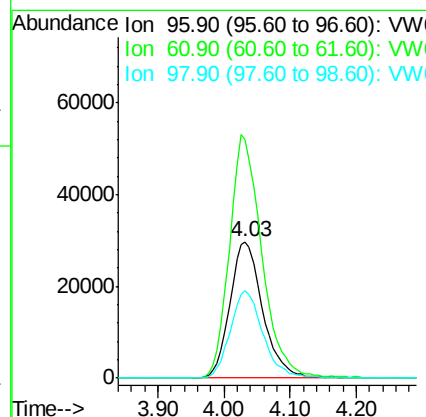
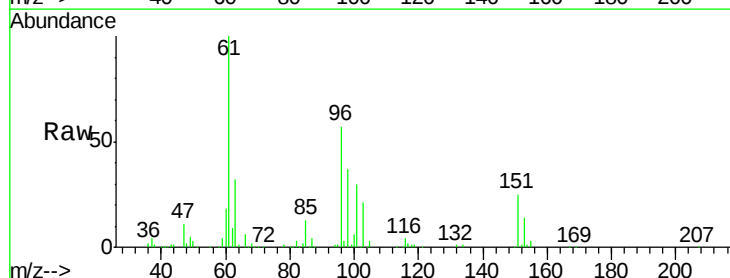
Tgt Ion: 96 Resp: 102407

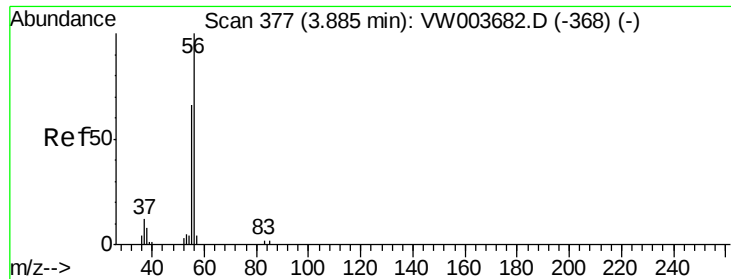
Ion Ratio Lower Upper

96 100

61 174.7 140.6 211.0

98 64.2 49.4 74.0





#13

Acrolein

Concen: 65.440 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.01 min

Lab File: VW003709.D

Acq: 03 Jul 2018 19:44

Instrument :

MSVOA_W

ClientSampleId :

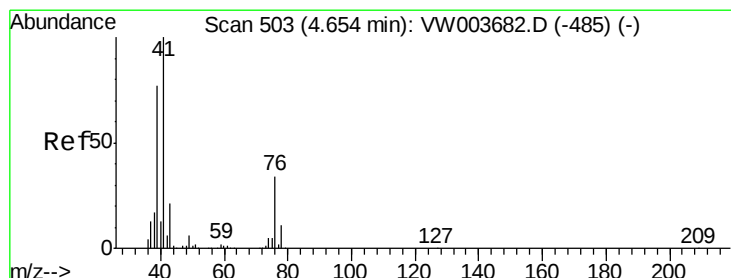
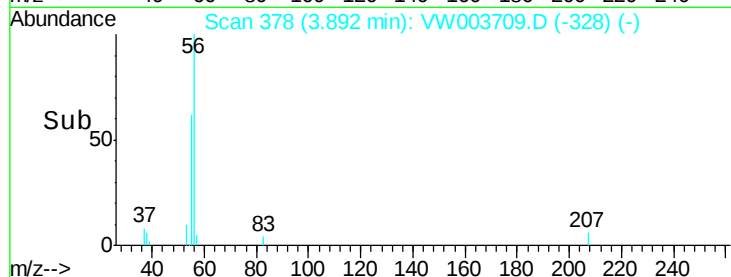
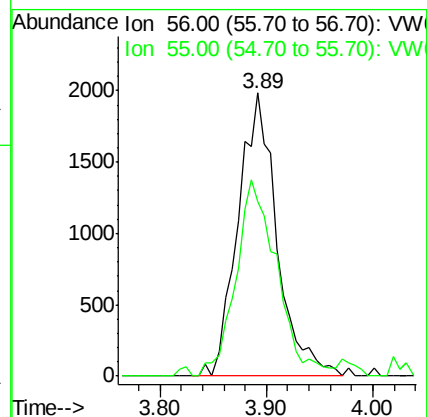
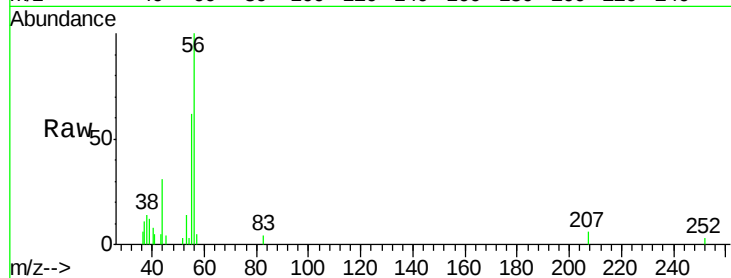
GF-G-9MSD

Tgt Ion: 56 Resp: 5077

Ion Ratio Lower Upper

56 100

55 73.6 54.7 82.1



#14

Allyl chloride

Concen: 50.708 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.01 min

Lab File: VW003709.D

Acq: 03 Jul 2018 19:44

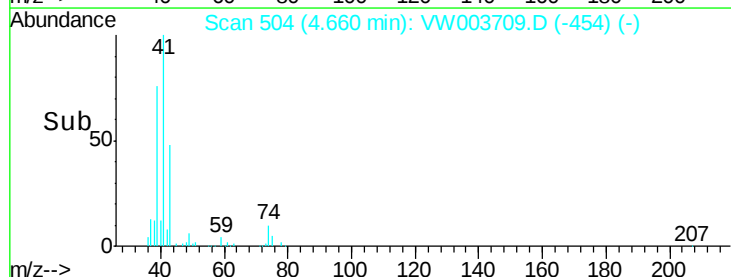
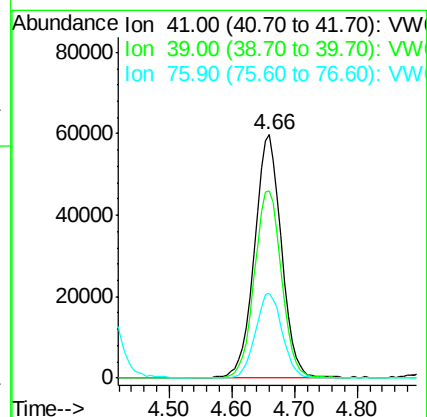
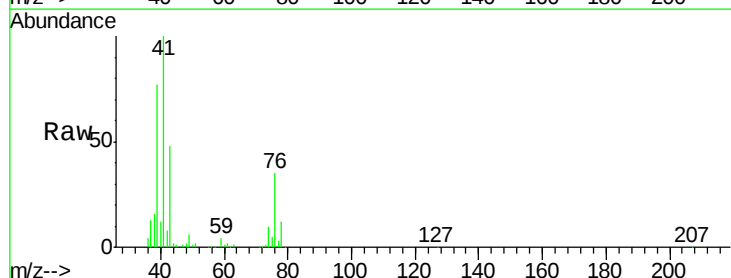
Tgt Ion: 41 Resp: 177930

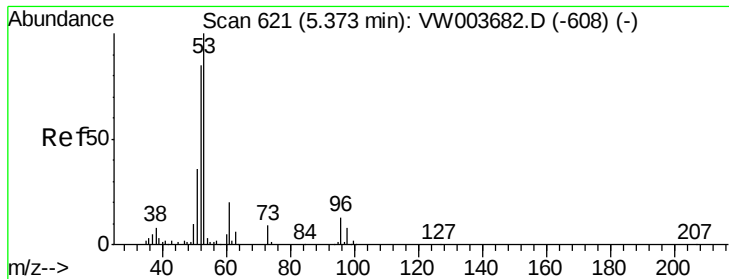
Ion Ratio Lower Upper

41 100

39 77.6 60.1 90.1

76 34.6 27.2 40.8





#15

Acrylonitrile

Concen: 206.963 ug/l

RT: 5.37 min Scan# 621

Delta R.T. 0.00 min

Lab File: VW003709.D

Acq: 03 Jul 2018 19:44

Instrument :

MSVOA_W

ClientSampleId :

GF-G-9MSD

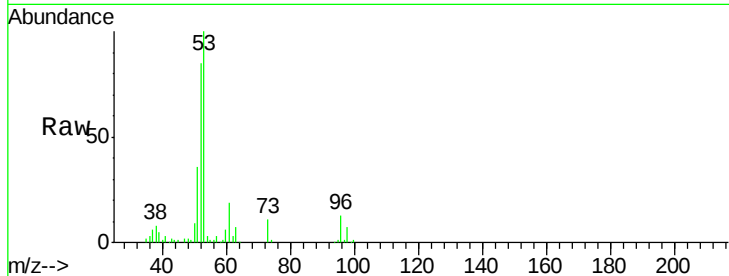
Tgt Ion: 53 Resp: 110015

Ion Ratio Lower Upper

53 100

52 83.1 66.8 100.2

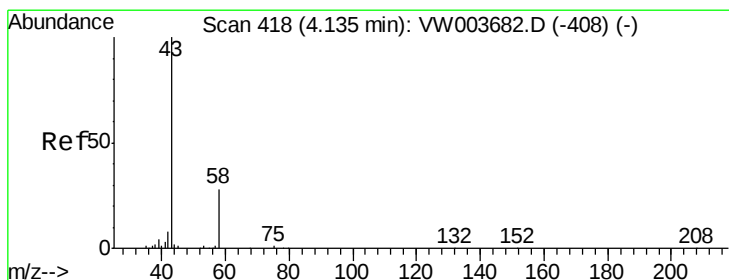
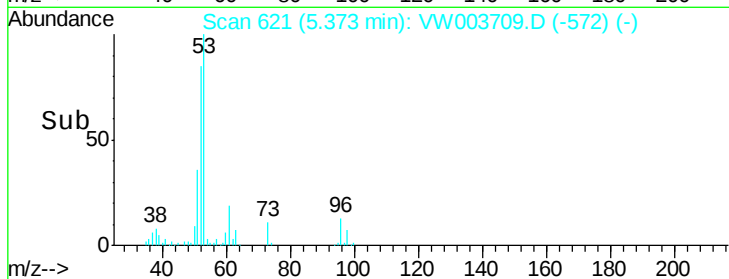
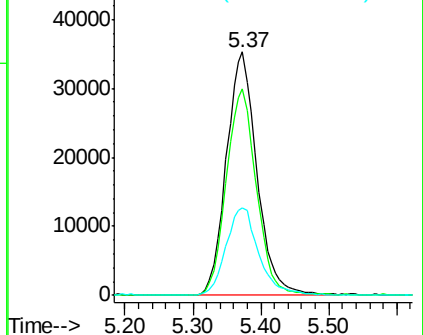
51 38.7 30.2 45.4



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 193.611 ug/l

RT: 4.13 min Scan# 417

Delta R.T. -0.01 min

Lab File: VW003709.D

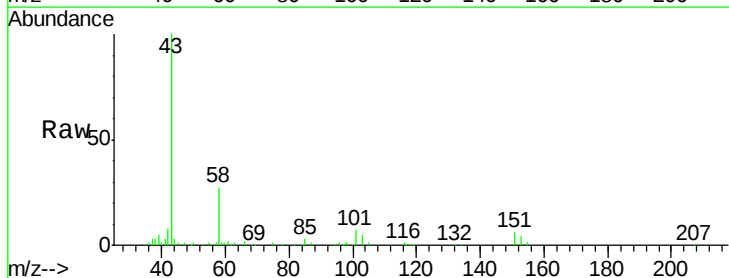
Acq: 03 Jul 2018 19:44

Tgt Ion: 43 Resp: 118092

Ion Ratio Lower Upper

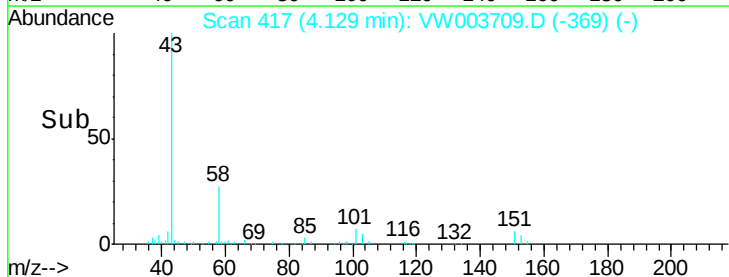
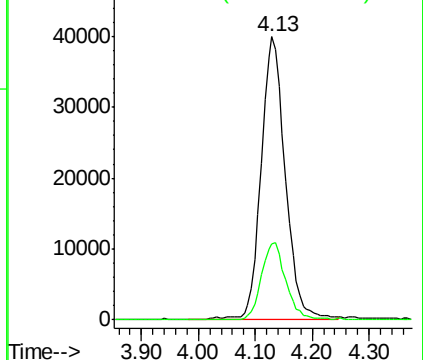
43 100

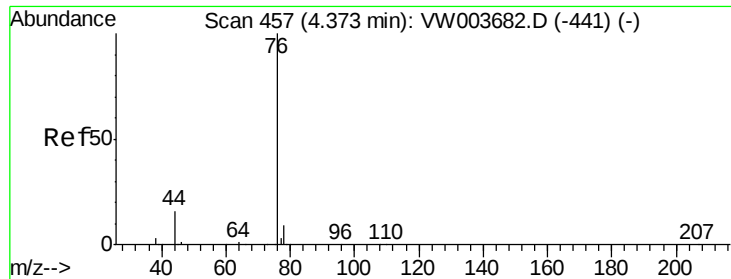
58 26.8 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

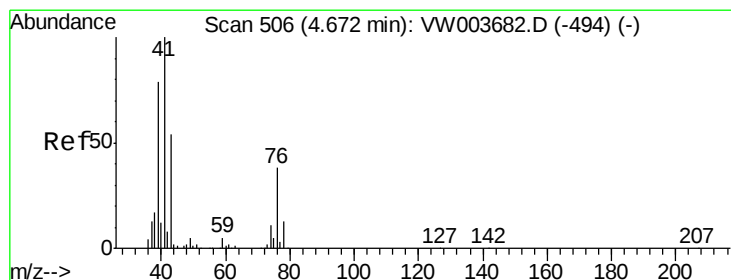
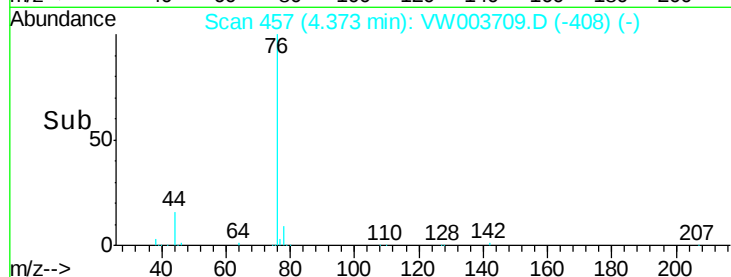
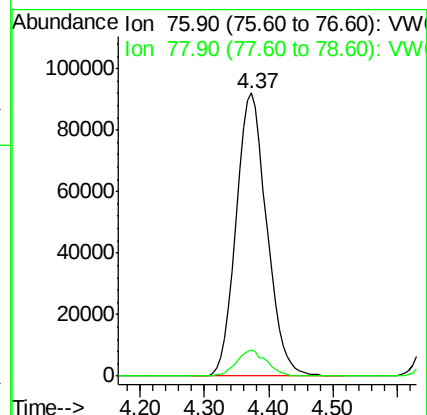
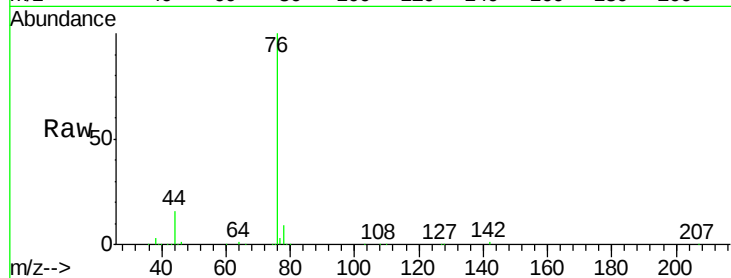




#17
Carbon Disulfide
Concen: 49.441 ug/l
RT: 4.37 min Scan# 457
Delta R.T. 0.00 min
Lab File: VW003709.D
Acq: 03 Jul 2018 19:44

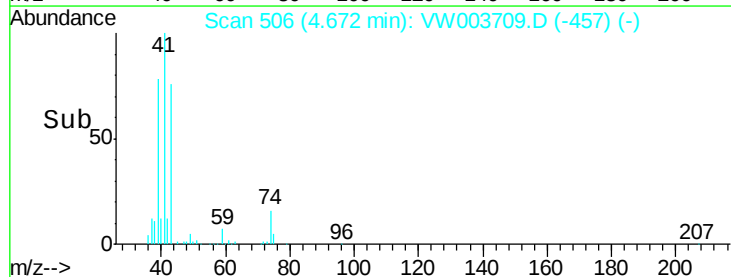
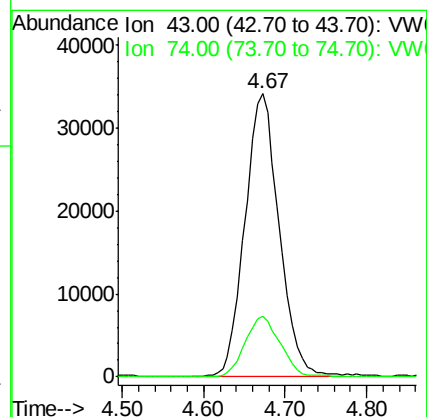
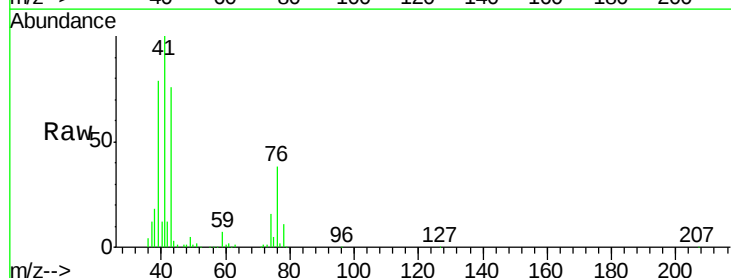
Instrument :
MSVOA_W
ClientSampleId :
GF-G-9MSD

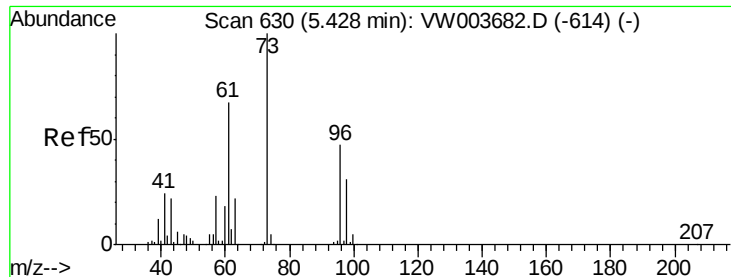
Tgt Ion: 76 Resp: 304512
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2



#18
Methyl Acetate
Concen: 74.921 ug/l
RT: 4.67 min Scan# 506
Delta R.T. 0.00 min
Lab File: VW003709.D
Acq: 03 Jul 2018 19:44

Tgt Ion: 43 Resp: 99773
Ion Ratio Lower Upper
43 100
74 21.9 18.2 27.2

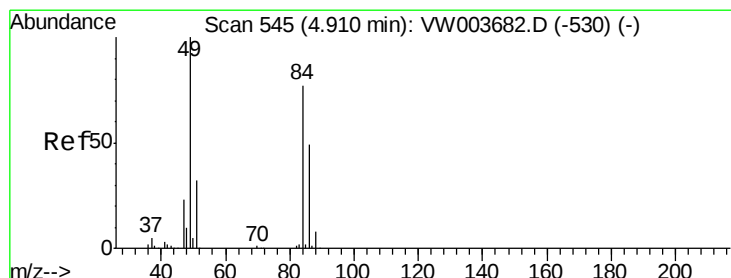
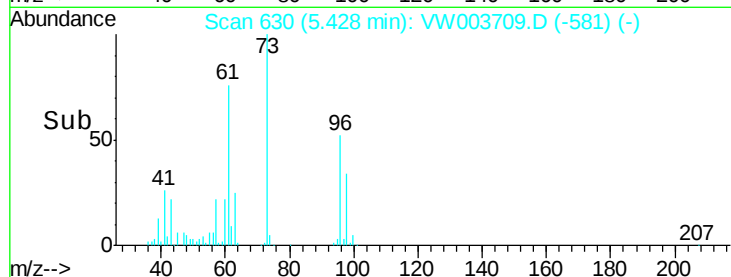
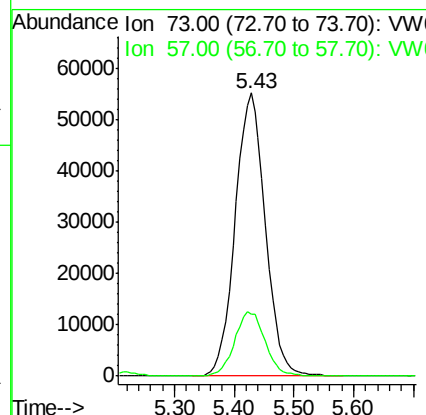
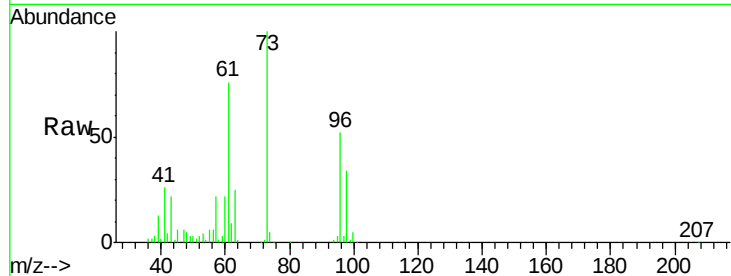




#19
Methyl tert-butyl Ether
Concen: 48.439 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW003709.D
Acq: 03 Jul 2018 19:44

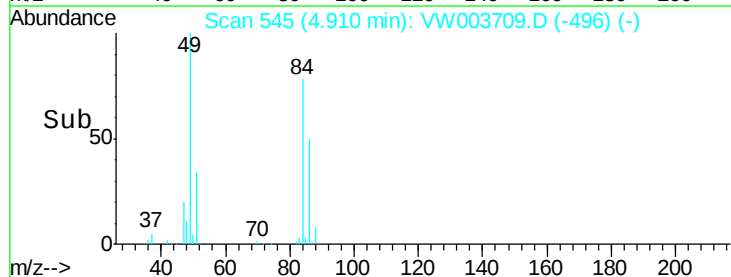
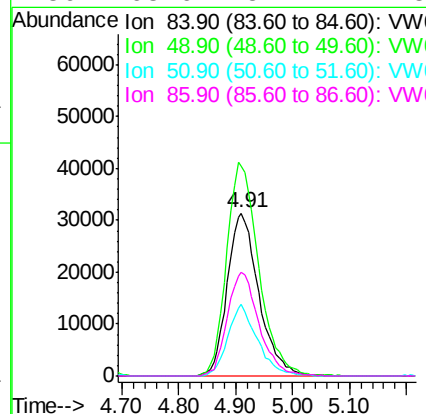
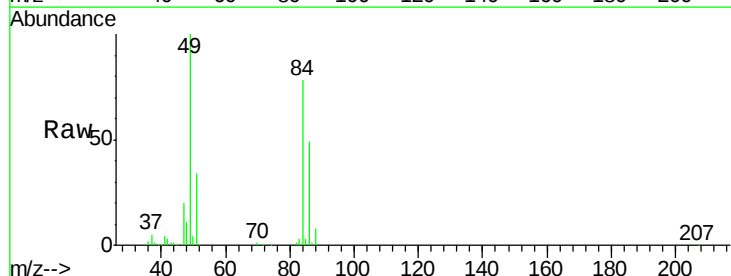
Instrument :
MSVOA_W
ClientSampleId :
GF-G-9MSD

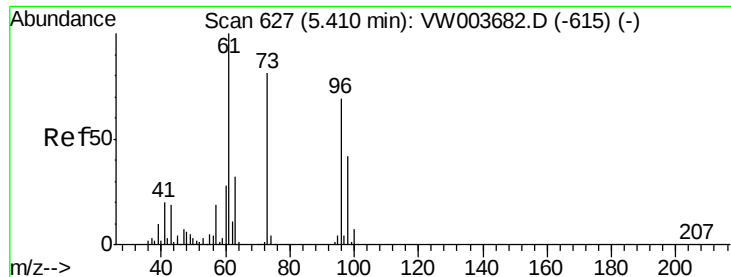
Tgt Ion: 73 Resp: 194122
Ion Ratio Lower Upper
73 100
57 22.1 18.1 27.1



#20
Methylene Chloride
Concen: 52.062 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003709.D
Acq: 03 Jul 2018 19:44

Tgt Ion: 84 Resp: 121331
Ion Ratio Lower Upper
84 100
49 129.0 104.6 156.8
51 44.0 33.2 49.8
86 63.6 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 49.755 ug/l

RT: 5.41 min Scan# 627

Delta R.T. 0.00 min

Lab File: VW003709.D

Acq: 03 Jul 2018 19:44

Instrument :

MSVOA_W

ClientSampled :

GF-G-9MSD

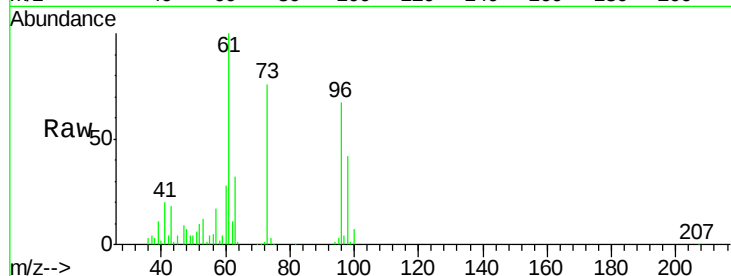
Tgt Ion: 96 Resp: 111800

Ion Ratio Lower Upper

96 100

61 148.6 116.8 175.2

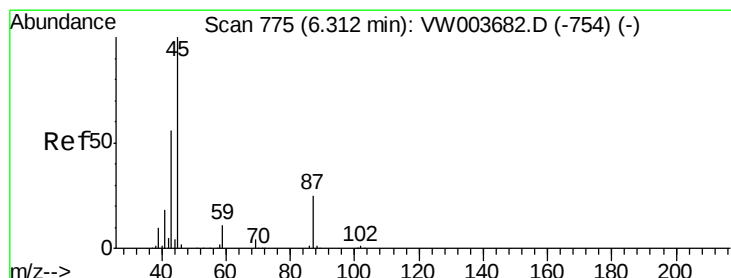
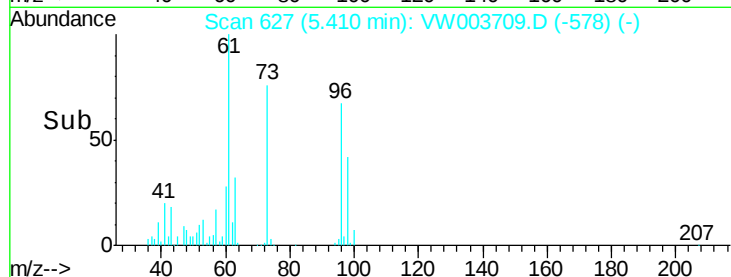
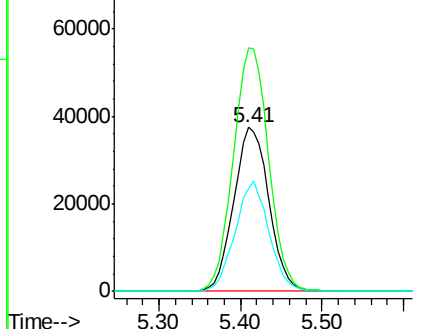
98 62.5 49.6 74.4



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 51.797 ug/l

RT: 6.31 min Scan# 775

Delta R.T. 0.00 min

Lab File: VW003709.D

Acq: 03 Jul 2018 19:44

Tgt Ion: 45 Resp: 372637

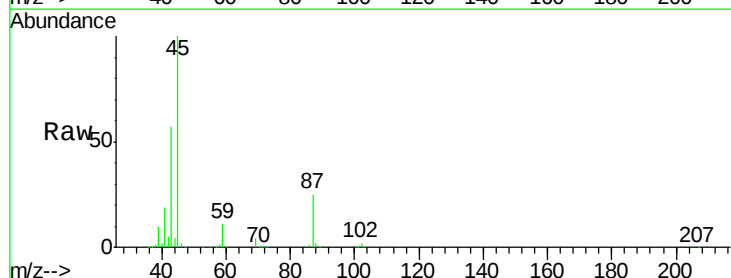
Ion Ratio Lower Upper

45 100

43 56.9 44.5 66.7

87 25.0 20.2 30.4

59 10.9 8.7 13.1

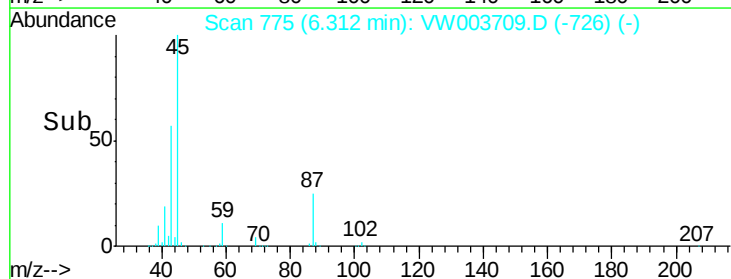
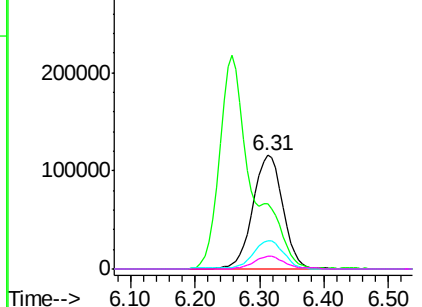


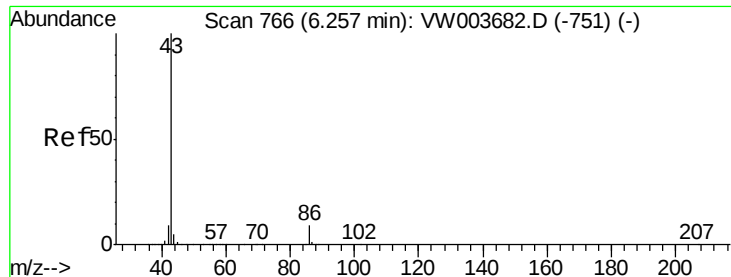
Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 163.867 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW003709.D

Acq: 03 Jul 2018 19:44

Instrument :

MSVOA_W

ClientSampleId :

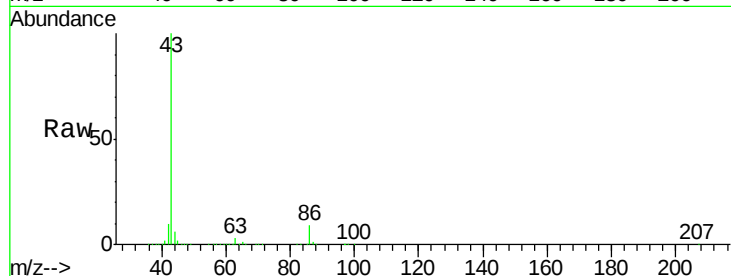
GF-G-9MSD

Tgt Ion: 43 Resp: 774641

Ion Ratio Lower Upper

43 100

86 9.0 7.5 11.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

250000

200000

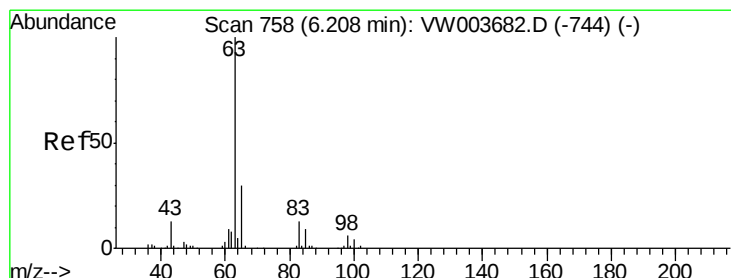
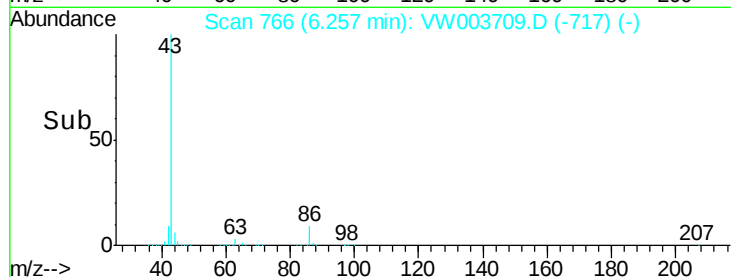
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.547 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.01 min

Lab File: VW003709.D

Acq: 03 Jul 2018 19:44

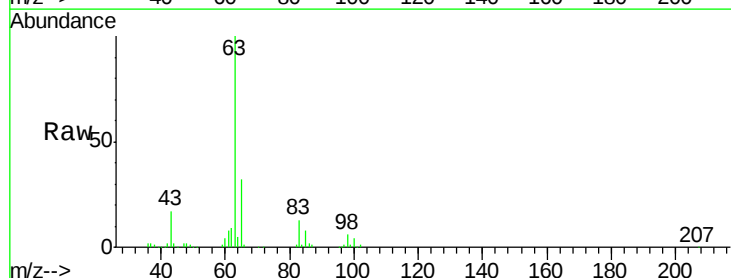
Tgt Ion: 63 Resp: 221146

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.6

100 4.1 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

100000

80000

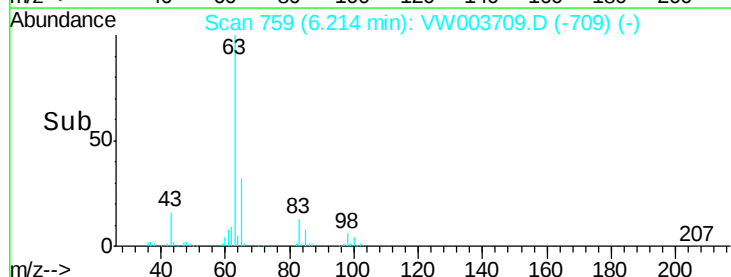
60000

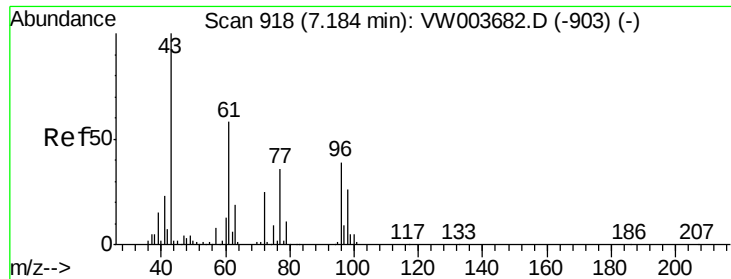
40000

20000

0

Time-->





#25

2-Butanone

Concen: 204.067 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW003709.D

Acq: 03 Jul 2018 19:44

Instrument :

MSVOA_W

ClientSampleId :

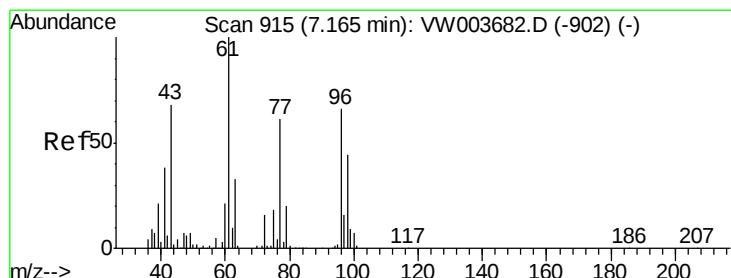
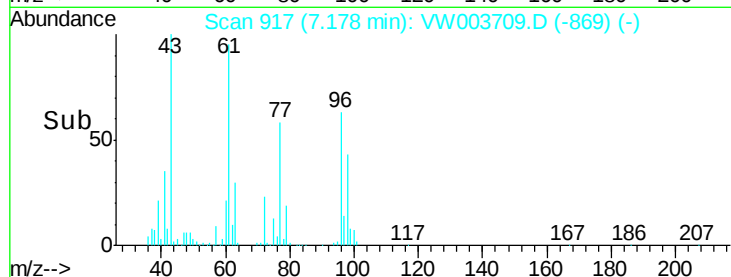
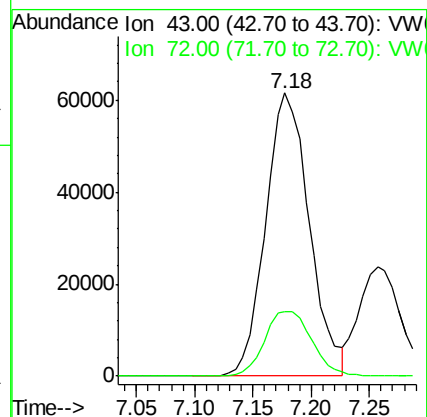
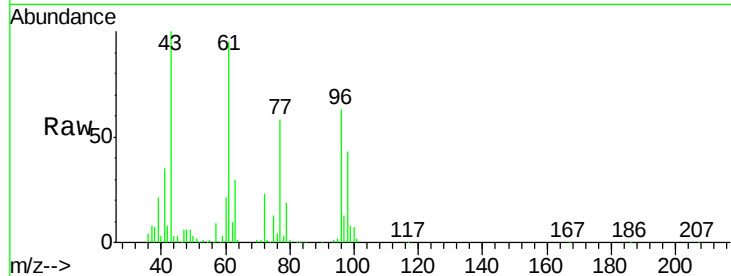
GF-G-9MSD

Tgt Ion: 43 Resp: 159378

Ion Ratio Lower Upper

43 100

72 23.0 20.2 30.4



#26

2,2-Dichloropropane

Concen: 47.433 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW003709.D

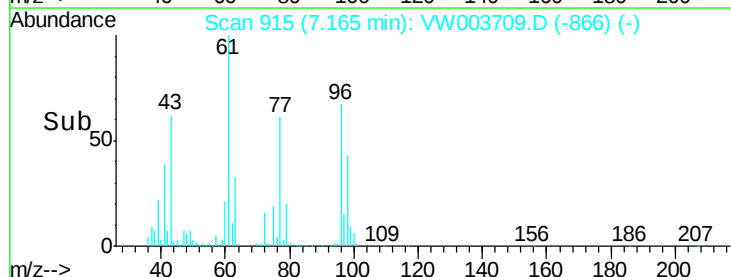
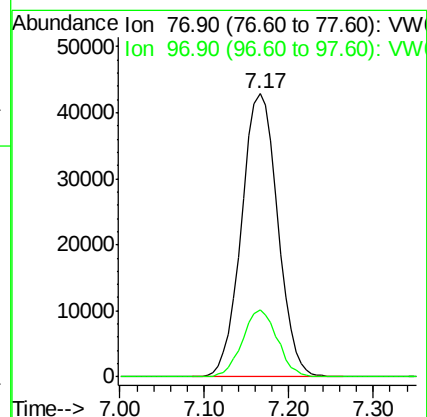
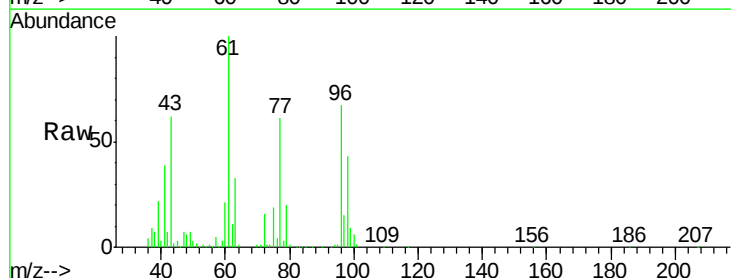
Acq: 03 Jul 2018 19:44

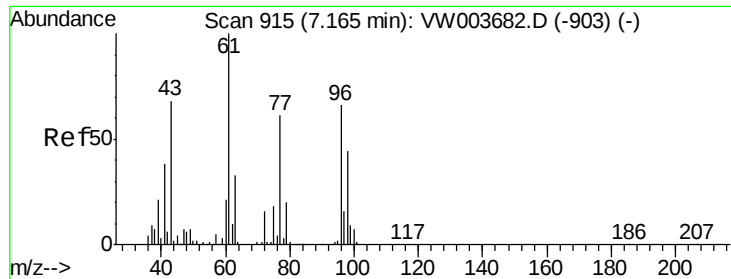
Tgt Ion: 77 Resp: 124773

Ion Ratio Lower Upper

77 100

97 22.8 11.7 35.1

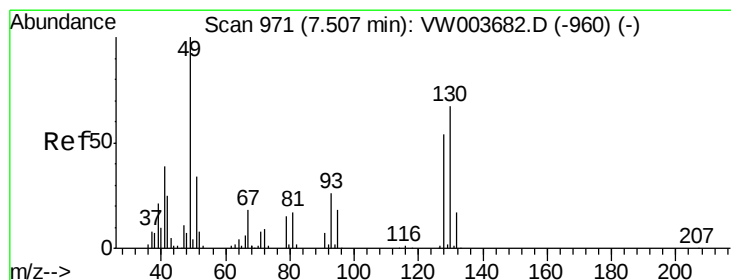
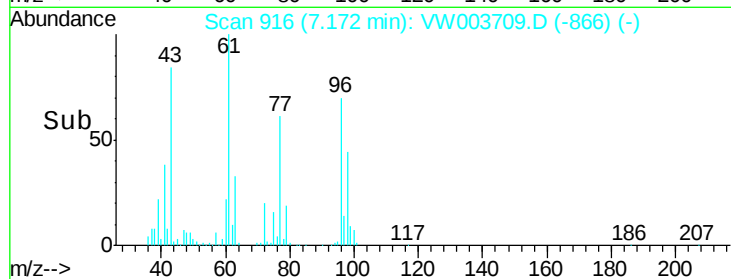
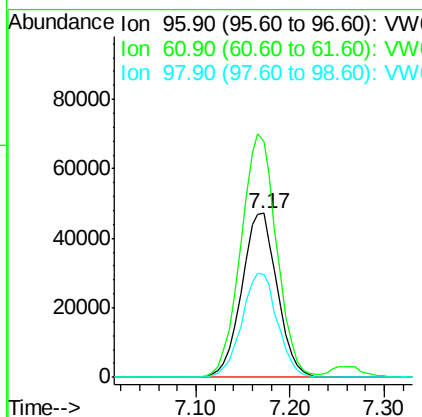
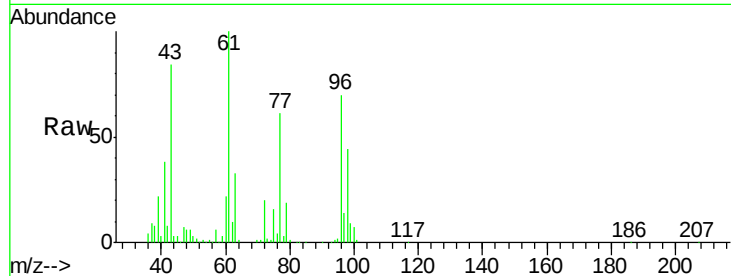




#27
 cis-1,2-Dichloroethene
 Concen: 50.839 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. 0.01 min
 Lab File: VW003709.D
 Acq: 03 Jul 2018 19:44

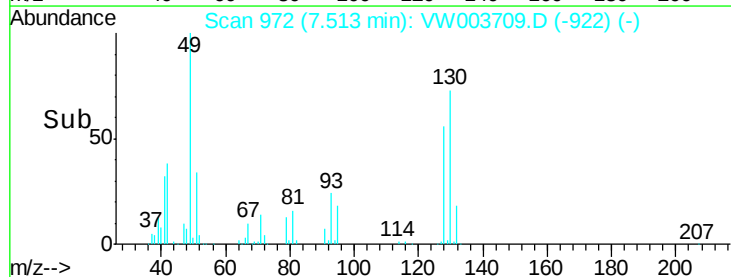
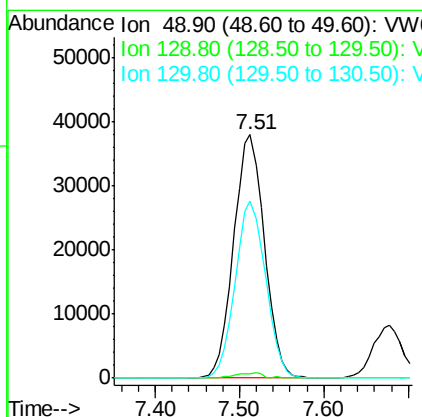
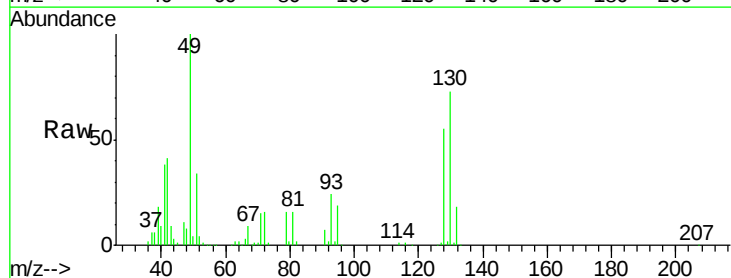
Instrument :
 MSVOA_W
 ClientSampleId :
 GF-G-9MSD

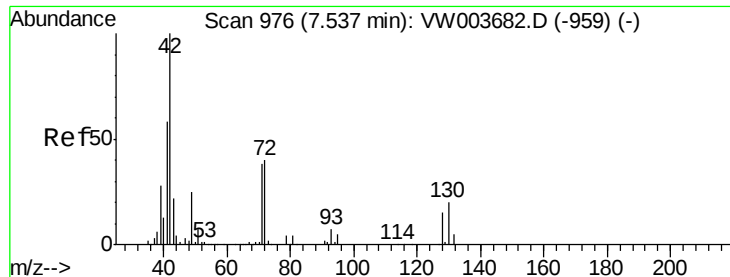
Tgt Ion: 96 Resp: 124400
 Ion Ratio Lower Upper
 96 100
 61 149.4 0.0 305.0
 98 63.8 0.0 129.6



#28
 Bromochloromethane
 Concen: 49.768 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.01 min
 Lab File: VW003709.D
 Acq: 03 Jul 2018 19:44

Tgt Ion: 49 Resp: 93856
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 3.0
 130 71.6 57.0 85.6

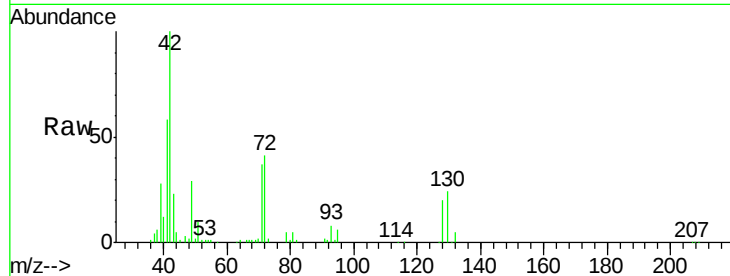




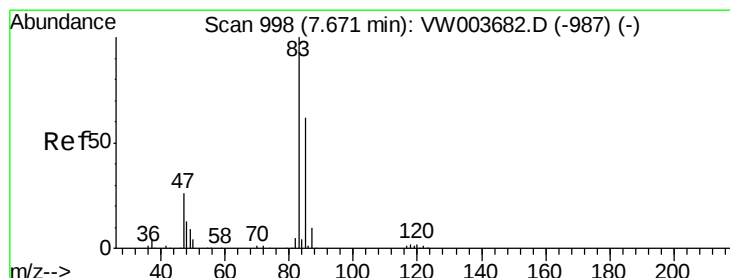
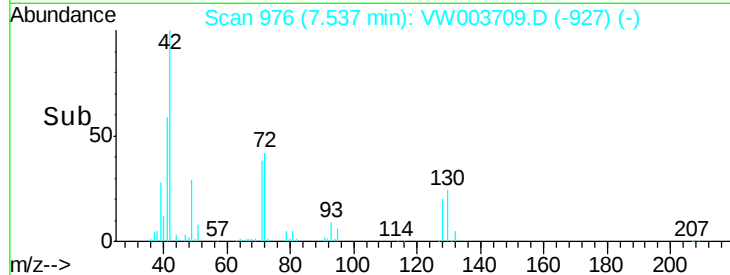
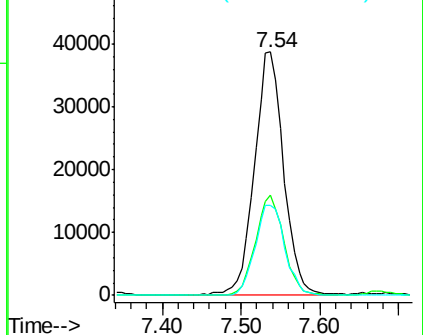
#29
Tetrahydrofuran
Concen: 213.156 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.00 min
Lab File: VW003709.D
Acq: 03 Jul 2018 19:44

Instrument :
MSVOA_W
ClientSampleId :
GF-G-9MSD

Tgt Ion: 42 Resp: 99794
Ion Ratio Lower Upper
42 100
72 39.8 32.0 48.0
71 38.0 30.2 45.2

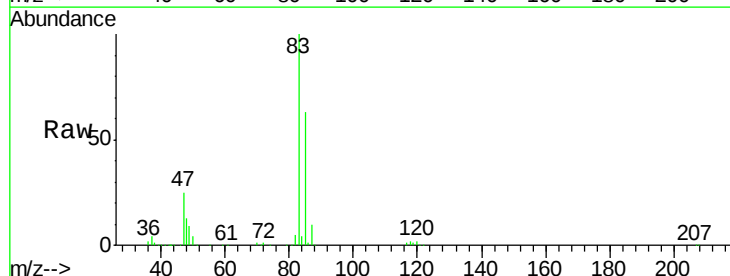


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

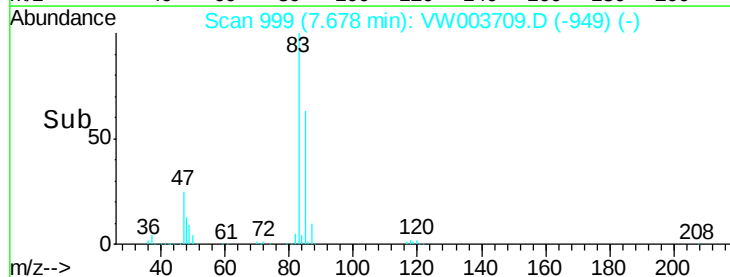
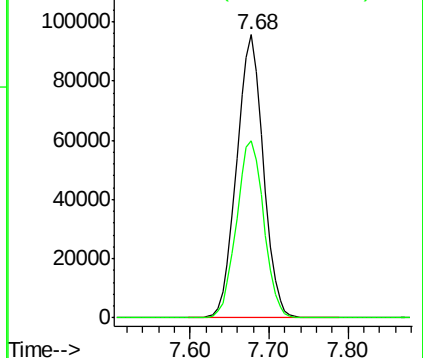


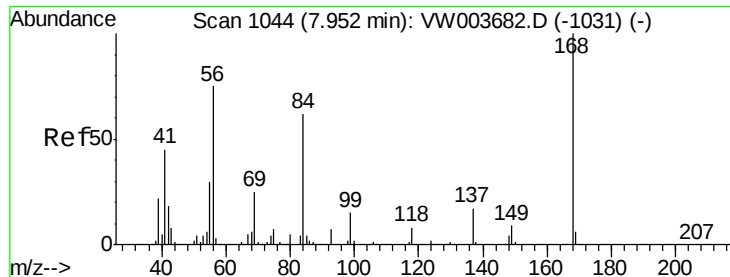
#30
Chloroform
Concen: 51.798 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.01 min
Lab File: VW003709.D
Acq: 03 Jul 2018 19:44

Tgt Ion: 83 Resp: 224708
Ion Ratio Lower Upper
83 100
85 62.7 49.7 74.5



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW

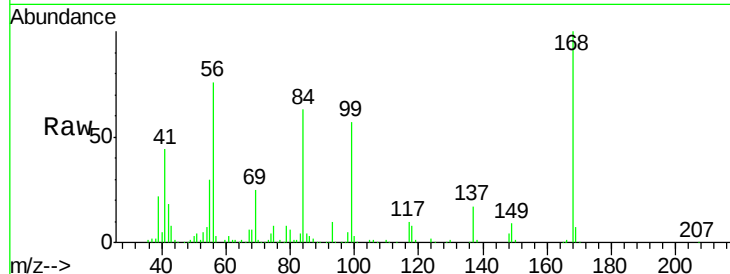




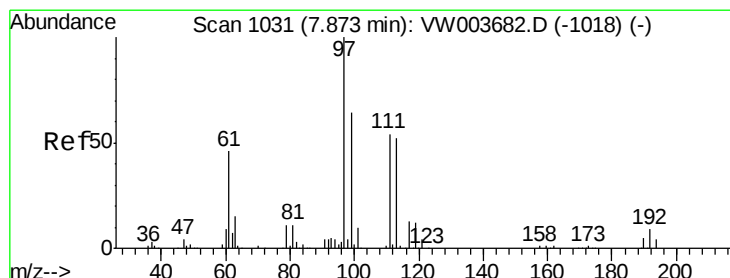
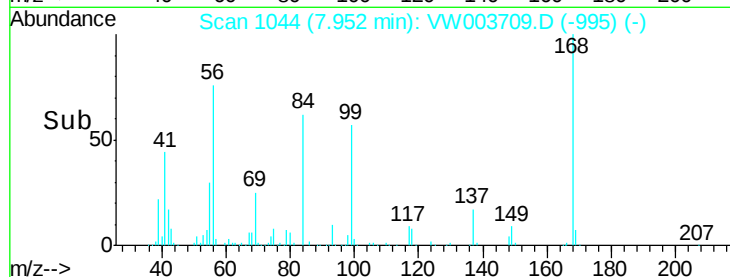
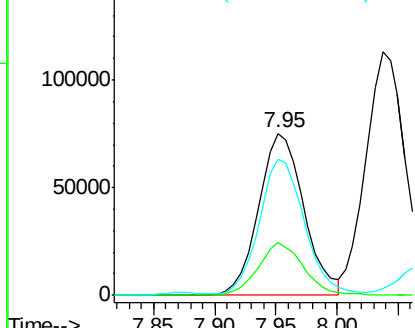
#31
Cyclohexane
Concen: 49.505 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW003709.D
Acq: 03 Jul 2018 19:44

Instrument :
MSVOA_W
ClientSampled :
GF-G-9MSD

Tgt Ion: 56 Resp: 193381
Ion Ratio Lower Upper
56 100
69 32.7 27.0 40.4
84 82.5 65.4 98.0

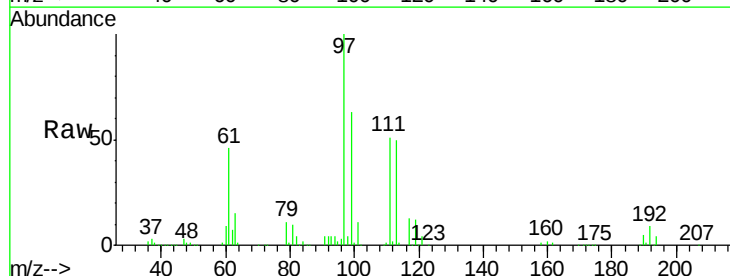


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

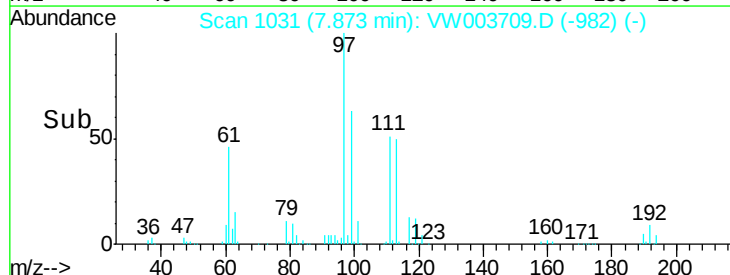
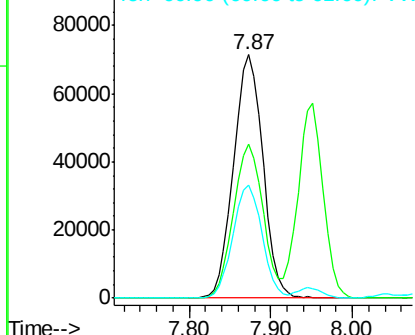


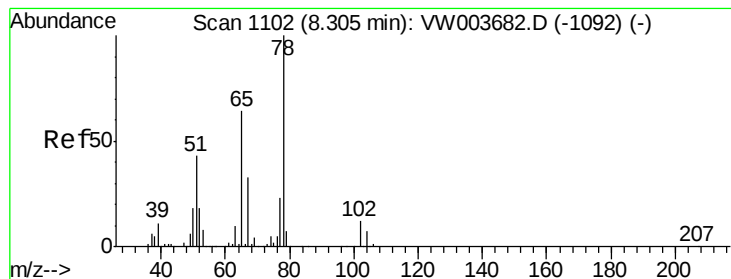
#32
1,1,1-Trichloroethane
Concen: 52.646 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW003709.D
Acq: 03 Jul 2018 19:44

Tgt Ion: 97 Resp: 177787
Ion Ratio Lower Upper
97 100
99 63.4 50.6 76.0
61 46.3 37.2 55.8



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 50.734 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW003709.D

Acq: 03 Jul 2018 19:44

Instrument :

MSVOA_W

ClientSampleId :

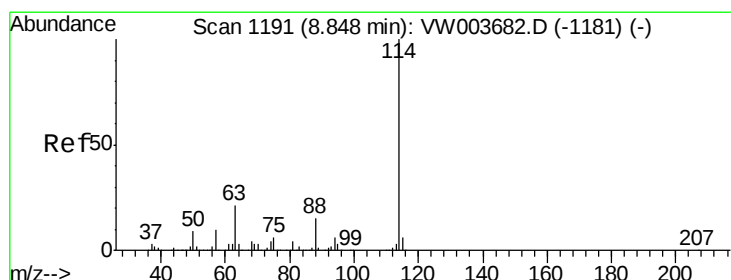
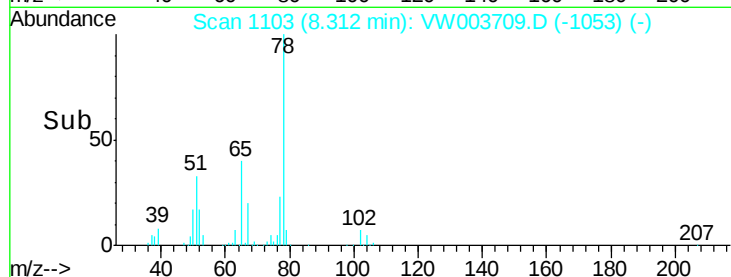
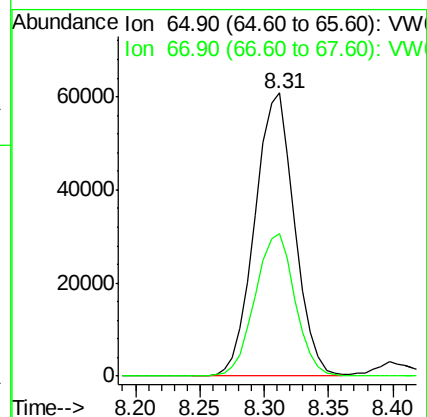
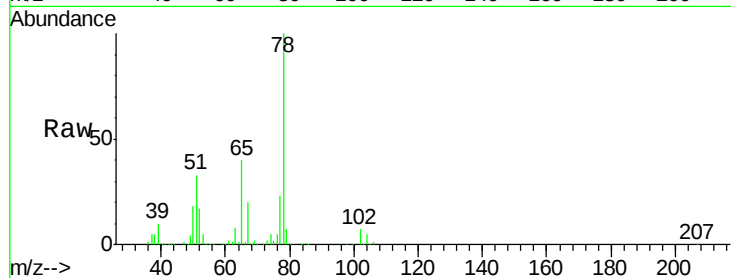
GF-G-9MSD

Tgt Ion: 65 Resp: 129635

Ion Ratio Lower Upper

65 100

67 50.9 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VW003709.D

Acq: 03 Jul 2018 19:44

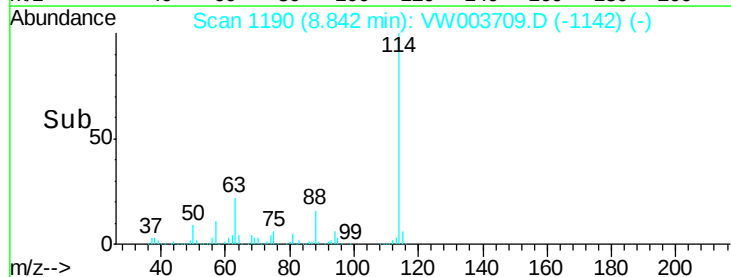
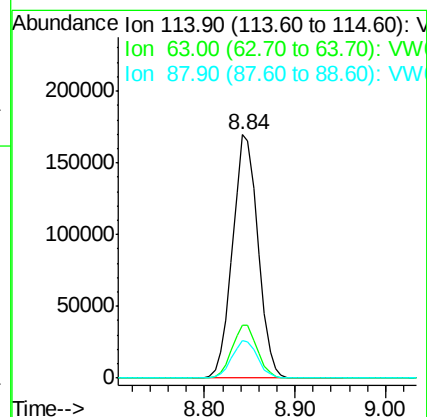
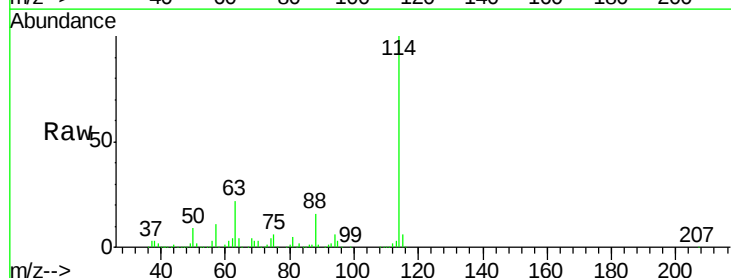
Tgt Ion: 114 Resp: 330024

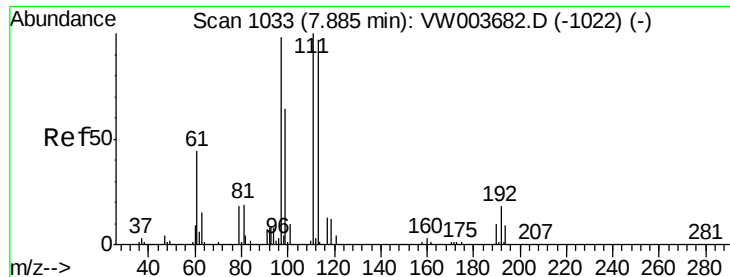
Ion Ratio Lower Upper

114 100

63 22.0 0.0 41.6

88 15.6 0.0 29.8

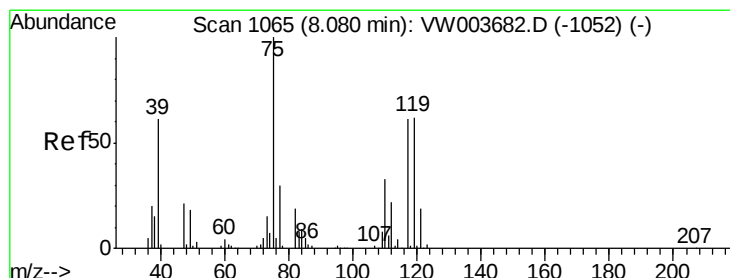
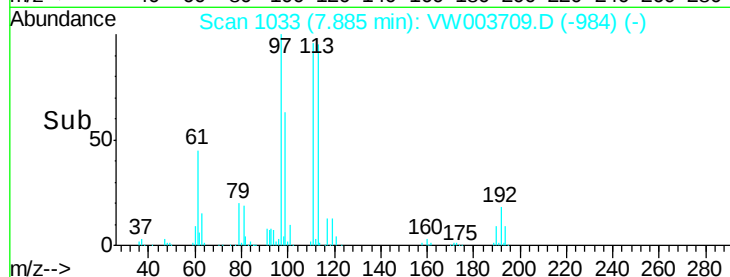
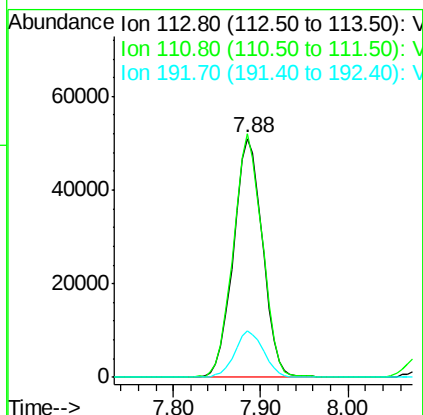
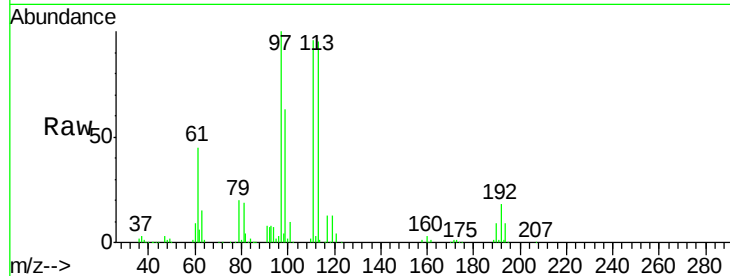




#35
 Dibromofluoromethane
 Concen: 54.982 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003709.D
 Acq: 03 Jul 2018 19:44

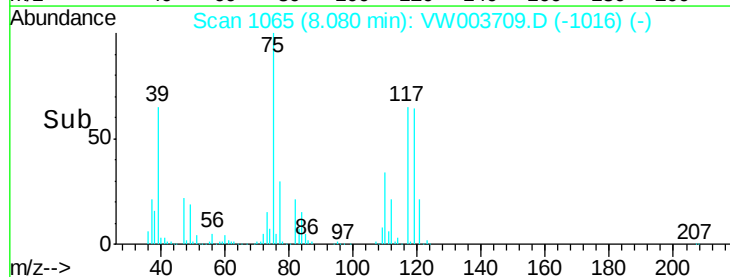
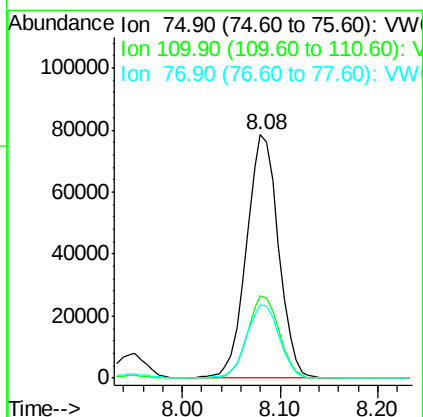
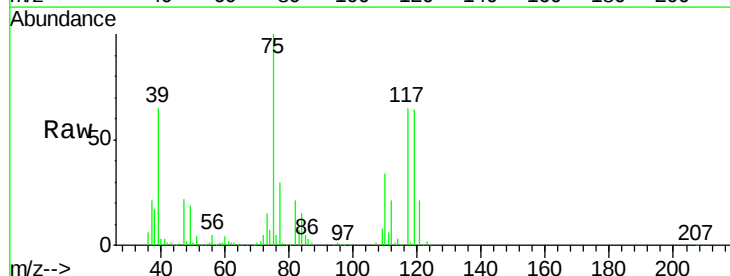
Instrument :
 MSVOA_W
 ClientSampleId :
 GF-G-9MSD

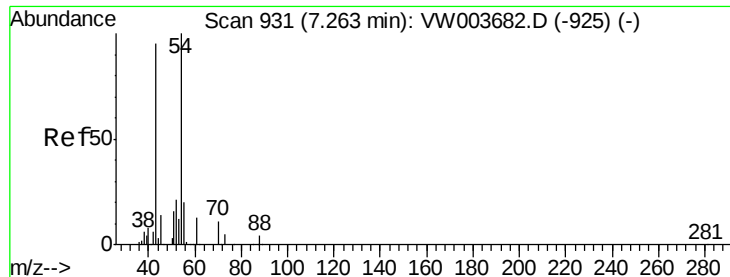
Tgt Ion: 113 Resp: 118346
 Ion Ratio Lower Upper
 113 100
 111 101.3 82.4 123.6
 192 19.3 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 53.627 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW003709.D
 Acq: 03 Jul 2018 19:44

Tgt Ion: 75 Resp: 177661
 Ion Ratio Lower Upper
 75 100
 110 33.6 16.9 50.6
 77 31.2 24.9 37.3

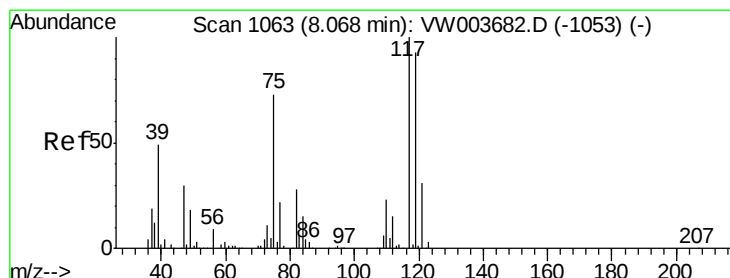
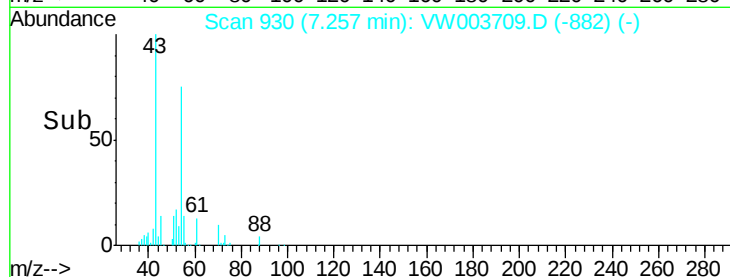
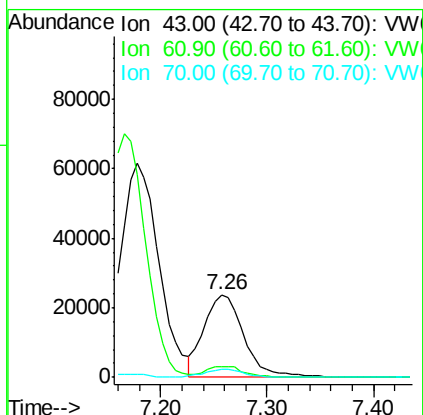
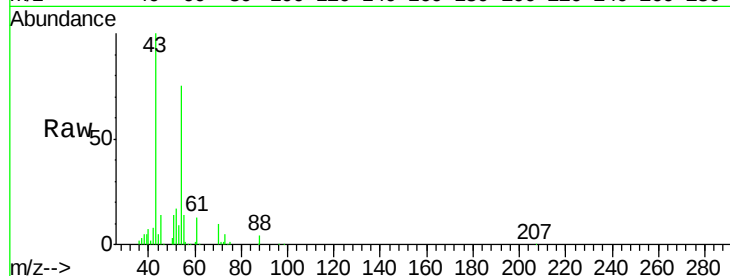




#37
Ethyl Acetate
Concen: 37.164 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.01 min
Lab File: VW003709.D
Acq: 03 Jul 2018 19:44

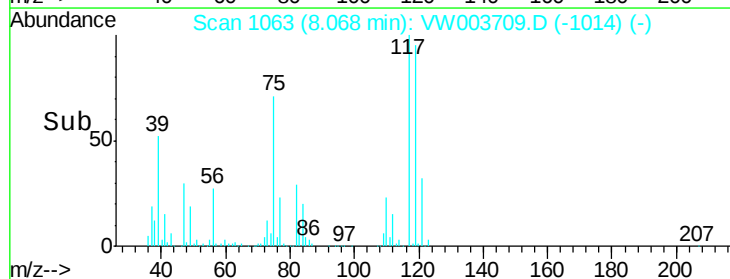
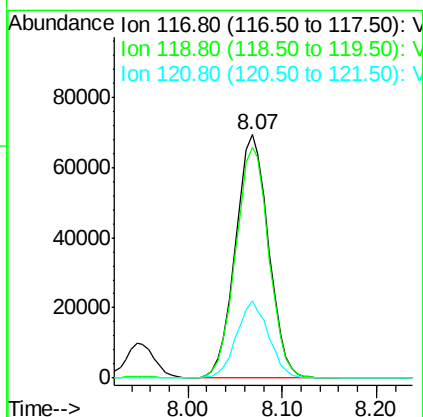
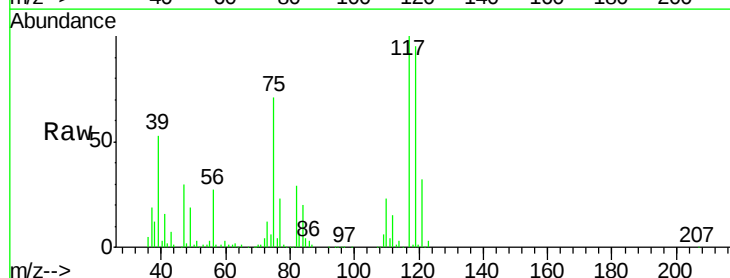
Instrument :
MSVOA_W
ClientSampleId :
GF-G-9MSD

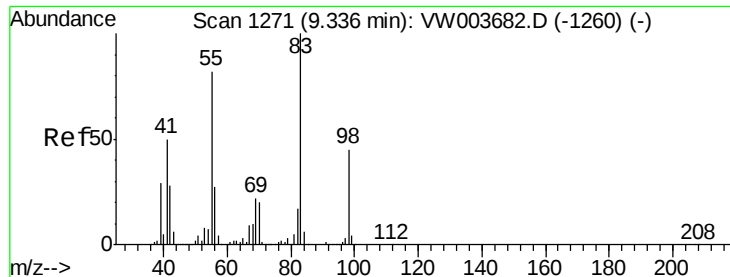
Tgt Ion: 43 Resp: 59930
Ion Ratio Lower Upper
43 100
61 13.5 10.5 15.7
70 9.6 7.7 11.5



#38
Carbon Tetrachloride
Concen: 53.543 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW003709.D
Acq: 03 Jul 2018 19:44

Tgt Ion: 117 Resp: 168741
Ion Ratio Lower Upper
117 100
119 94.8 74.1 111.1
121 31.7 25.0 37.4

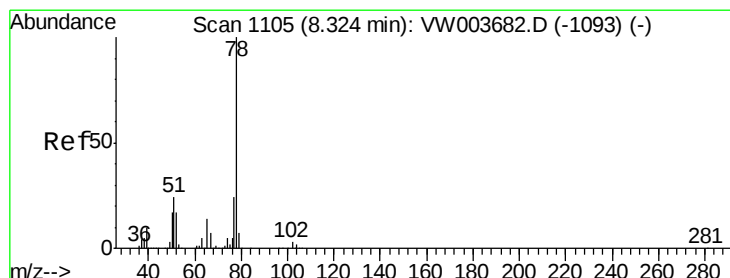
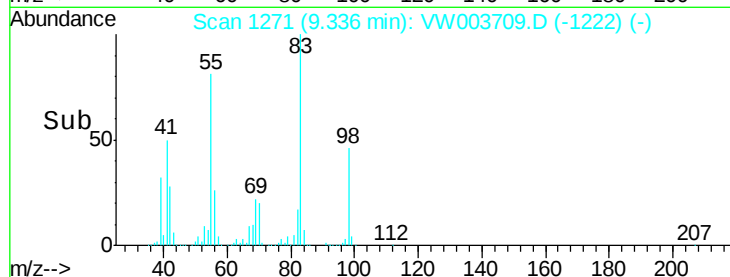
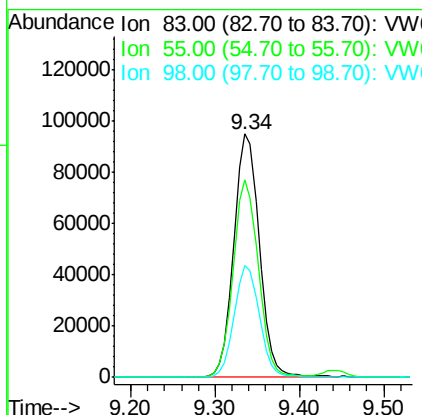
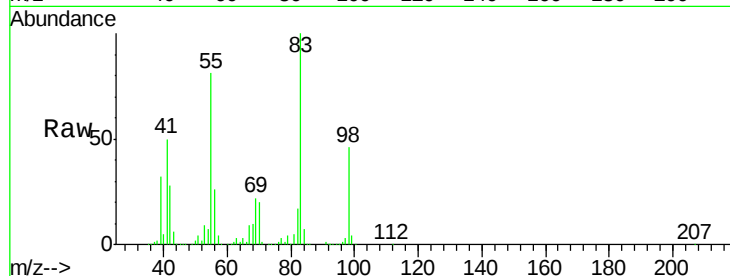




#39
Methylcyclohexane
Concen: 51.229 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW003709.D
Acq: 03 Jul 2018 19:44

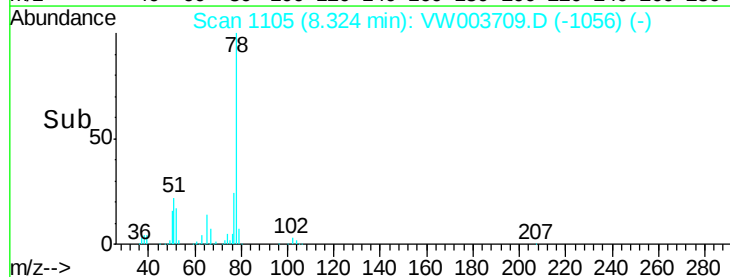
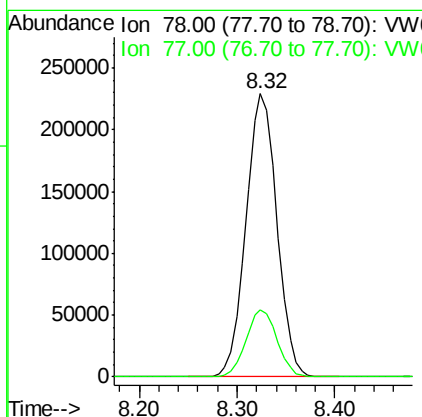
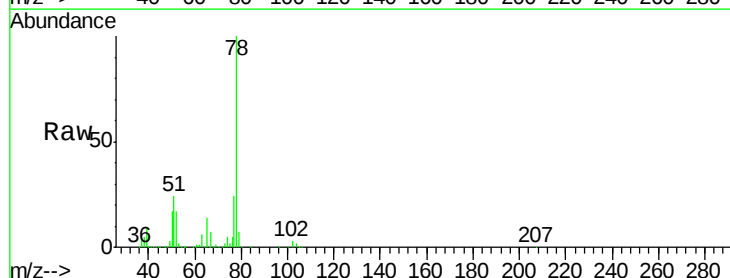
Instrument :
MSVOA_W
ClientSampleId :
GF-G-9MSD

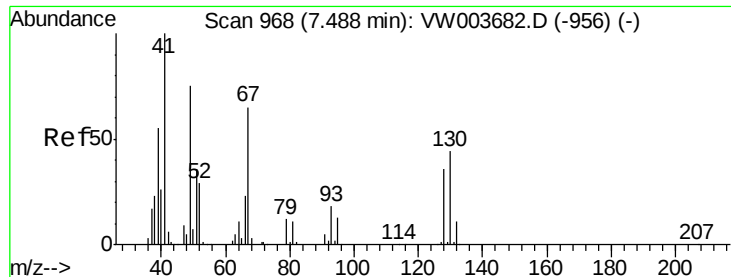
Tgt Ion: 83 Resp: 195442
Ion Ratio Lower Upper
83 100
55 80.9 65.3 97.9
98 46.1 36.3 54.5



#40
Benzene
Concen: 53.865 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW003709.D
Acq: 03 Jul 2018 19:44

Tgt Ion: 78 Resp: 501559
Ion Ratio Lower Upper
78 100
77 23.8 19.4 29.0

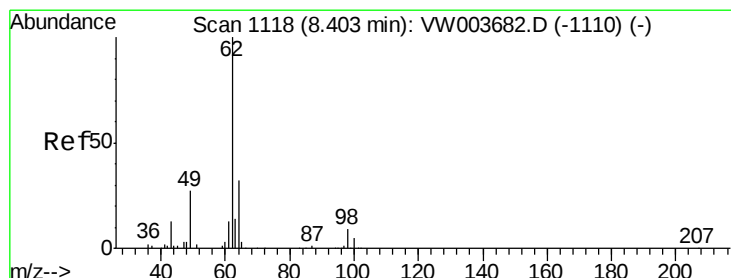
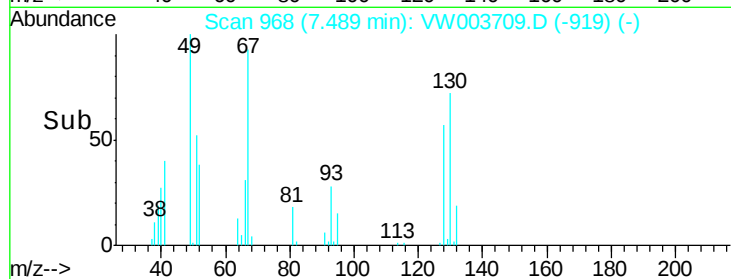
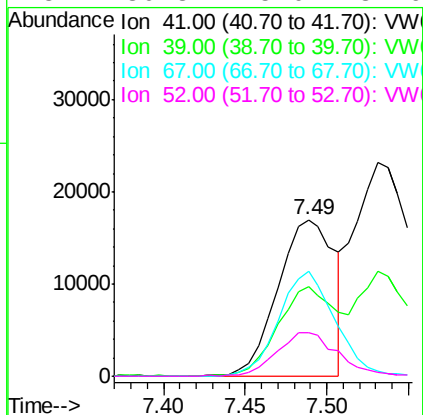
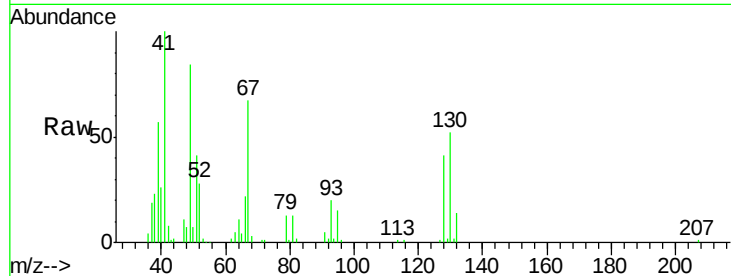




#41
Methacrylonitrile
Concen: 44.760 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW003709.D
Acq: 03 Jul 2018 19:44

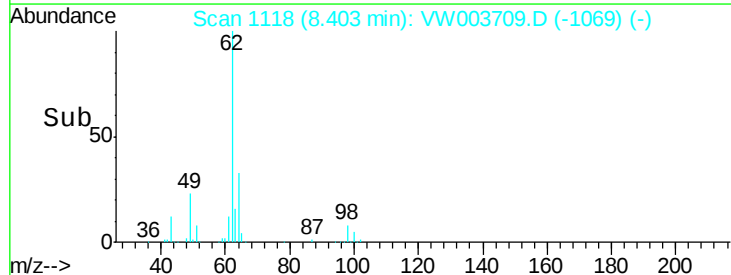
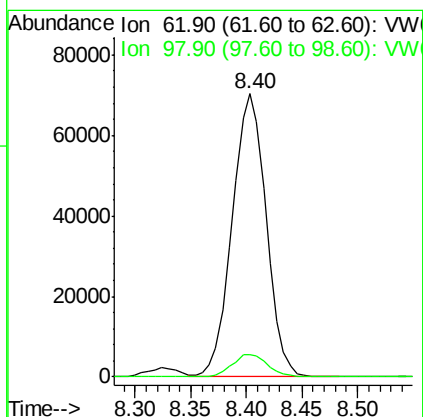
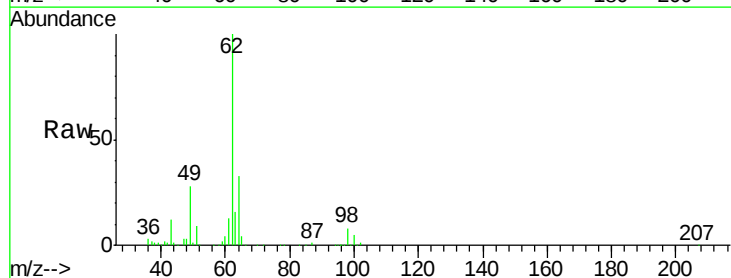
Instrument :
MSVOA_W
ClientSampleId :
GF-G-9MSD

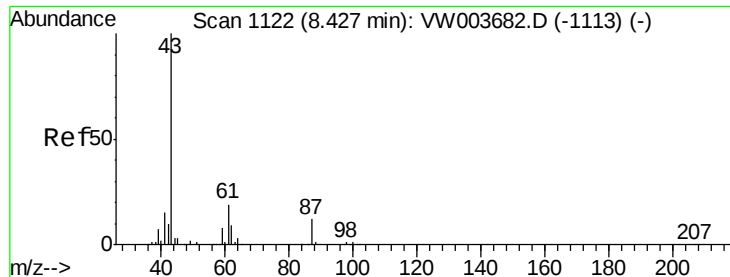
Tgt Ion:	41	Resp:	41026
Ion	Ratio	Lower	Upper
41	100		
39	61.7	47.8	71.8
67	66.8	53.9	80.9
52	30.3	25.0	37.6



#42
1,2-Dichloroethane
Concen: 50.690 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003709.D
Acq: 03 Jul 2018 19:44

Tgt Ion:	62	Resp:	148617
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.2





#43

Isopropyl Acetate

Concen: 41.049 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VW003709.D

Acq: 03 Jul 2018 19:44

Instrument :

MSVOA_W

ClientSampleId :

GF-G-9MSD

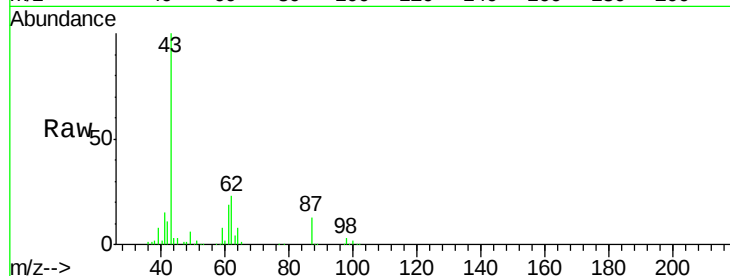
Tgt Ion: 43 Resp: 124670

Ion Ratio Lower Upper

43 100

61 30.5 23.0 34.6

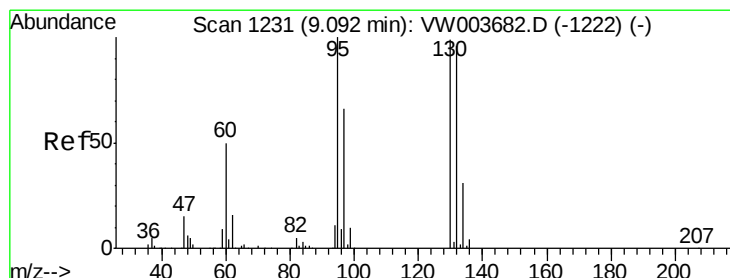
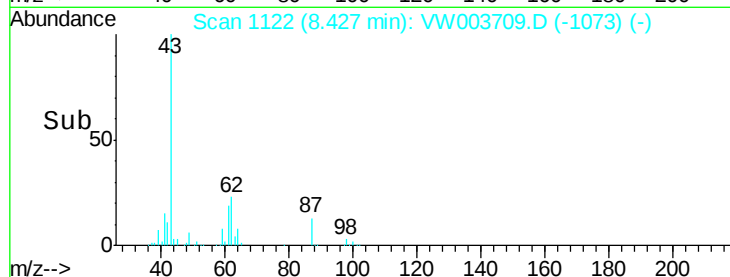
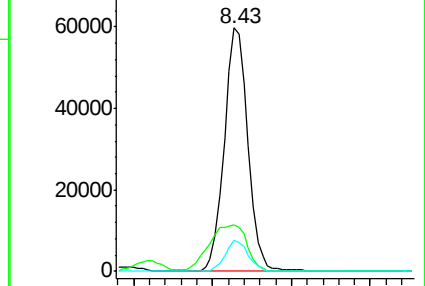
87 12.2 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 52.642 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW003709.D

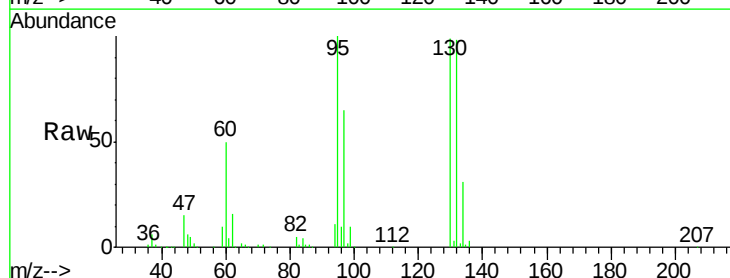
Acq: 03 Jul 2018 19:44

Tgt Ion: 130 Resp: 126716

Ion Ratio Lower Upper

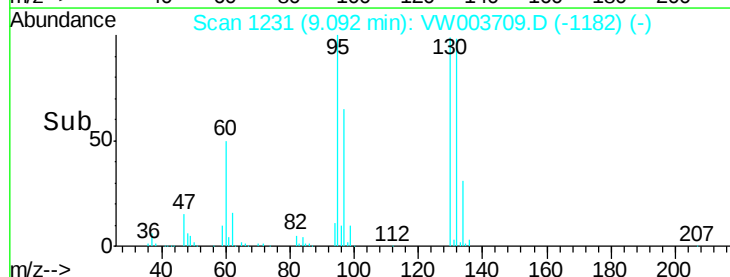
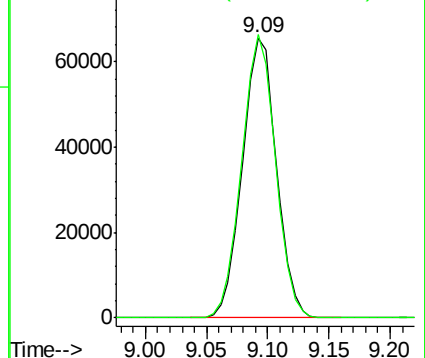
130 100

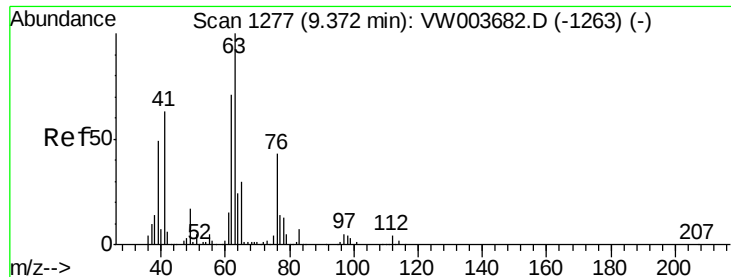
95 101.2 0.0 202.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

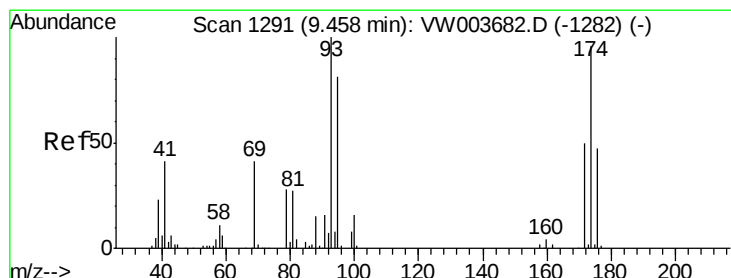
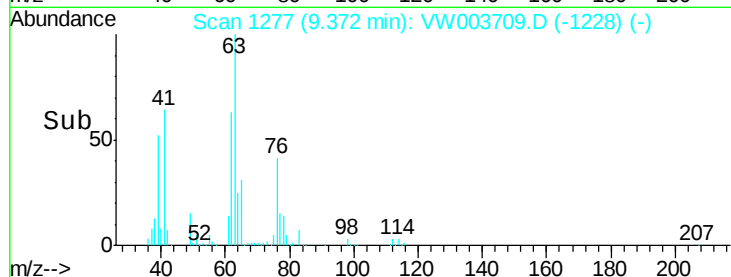
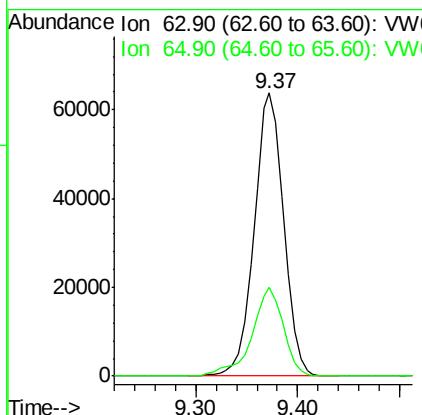
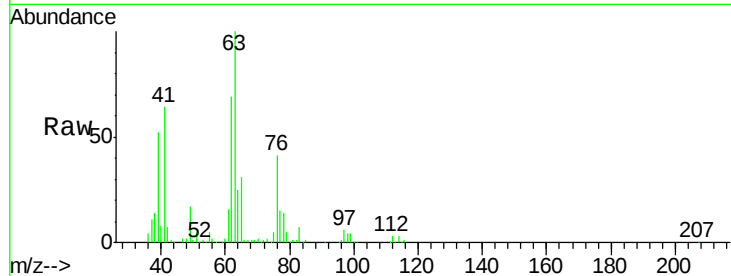




#45
 1,2-Dichloropropane
 Concen: 53.047 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW003709.D
 Acq: 03 Jul 2018 19:44

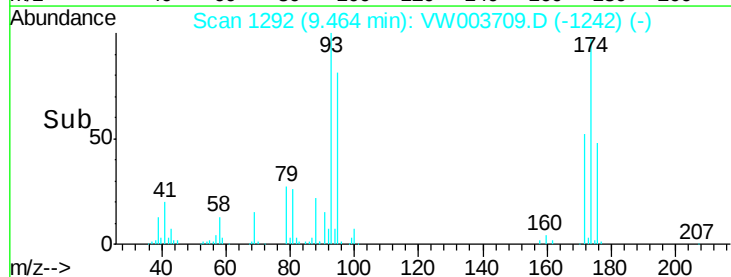
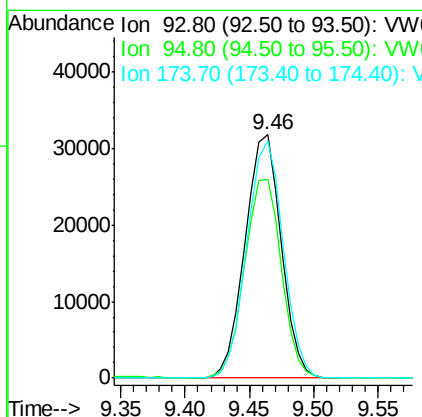
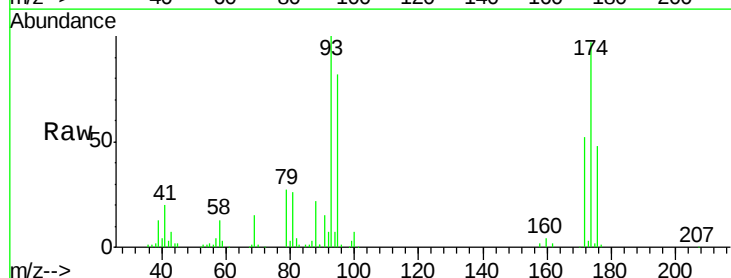
Instrument :
 MSVOA_W
 ClientSampleId :
 GF-G-9MSD

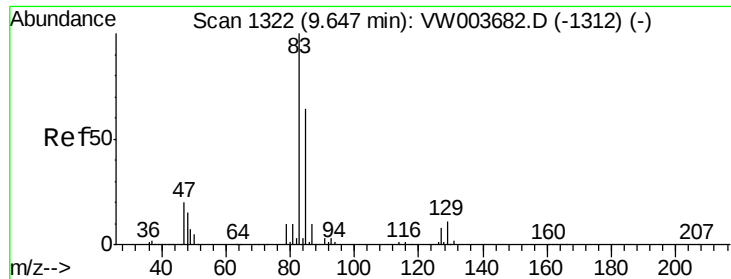
Tgt Ion: 63 Resp: 128134
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.3 36.5



#46
 Dibromomethane
 Concen: 49.325 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VW003709.D
 Acq: 03 Jul 2018 19:44

Tgt Ion: 93 Resp: 61875
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.2 99.4
 174 97.9 79.6 119.4





#47

Bromodichloromethane

Concen: 53.179 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003709.D

Acq: 03 Jul 2018 19:44

Instrument :

MSVOA_W

ClientSampleId :

GF-G-9MSD

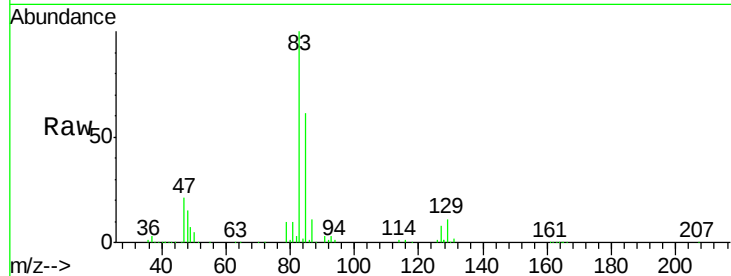
Tgt Ion: 83 Resp: 164905

Ion Ratio Lower Upper

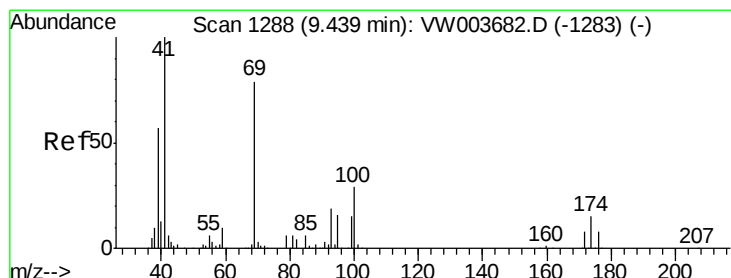
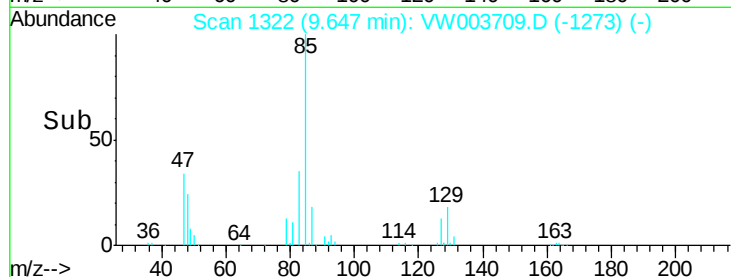
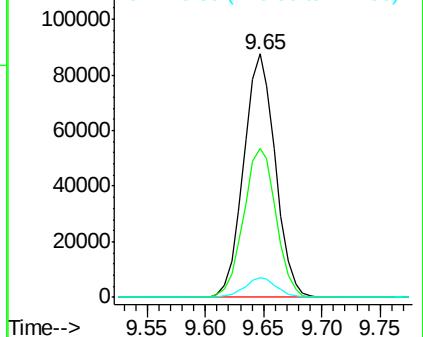
83 100

85 61.3 51.1 76.7

127 8.0 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 44.497 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VW003709.D

Acq: 03 Jul 2018 19:44

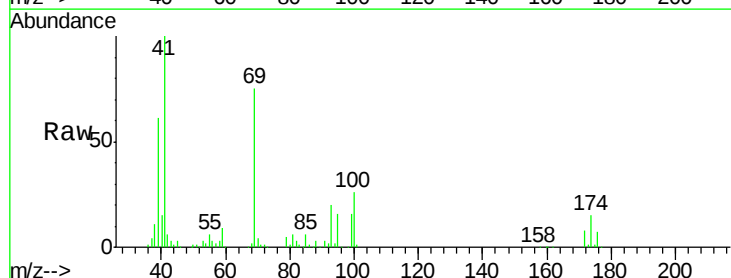
Tgt Ion: 41 Resp: 70777

Ion Ratio Lower Upper

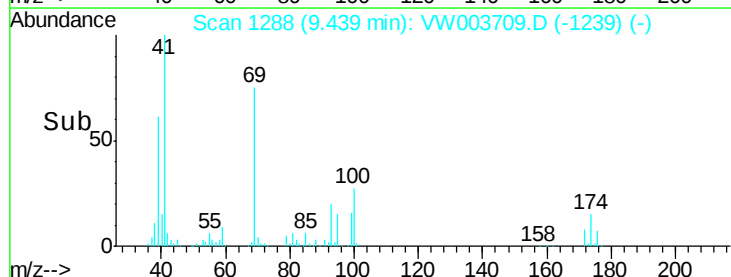
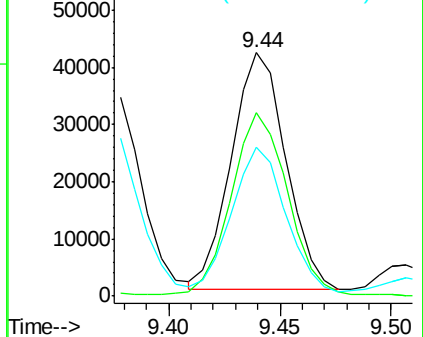
41 100

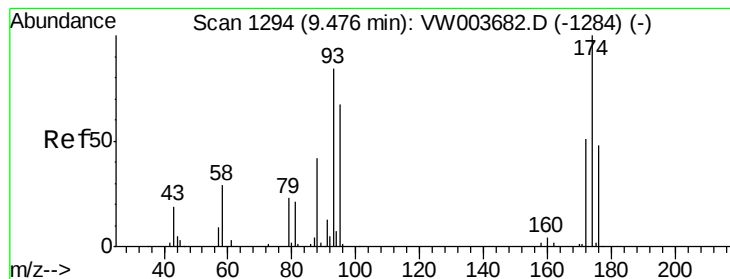
69 79.7 65.4 98.2

39 63.8 50.0 75.0



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 801.076 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. -0.01 min

Lab File: VW003709.D

Acq: 03 Jul 2018 19:44

Instrument :

MSVOA_W

ClientSampleId :

GF-G-9MSD

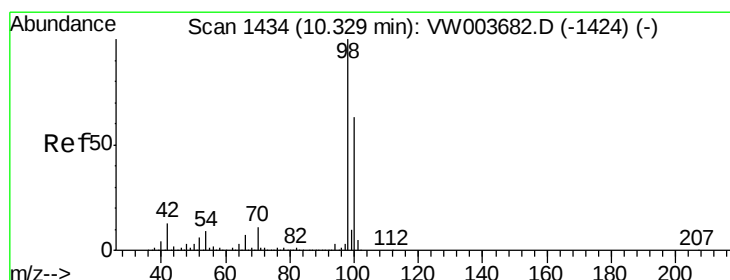
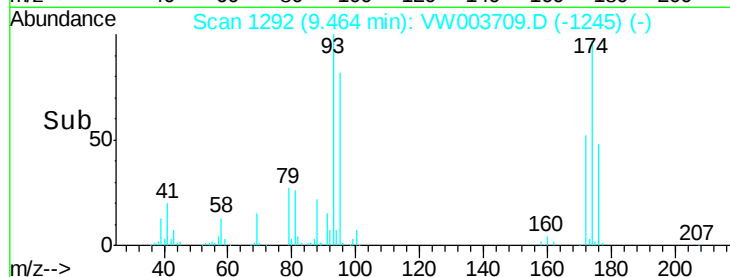
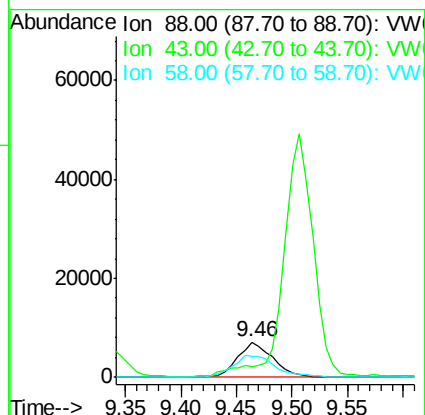
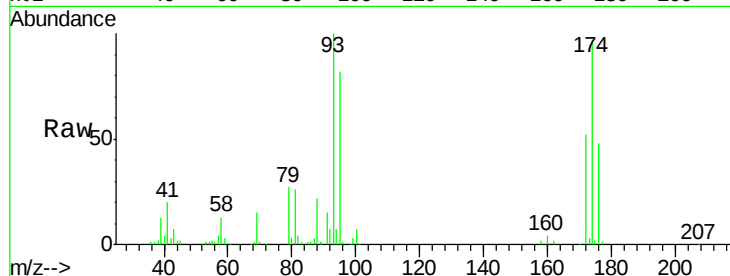
Tgt Ion: 88 Resp: 15764

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 75.3 61.8 92.6



#50

Toluene-d8

Concen: 55.916 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003709.D

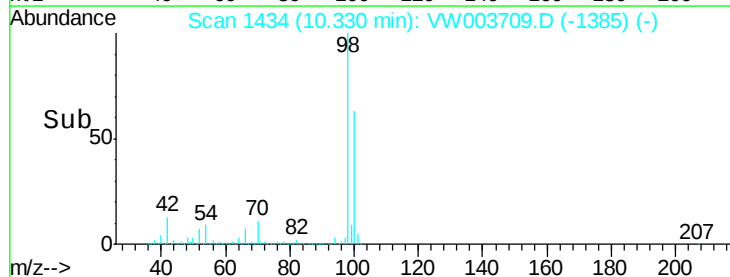
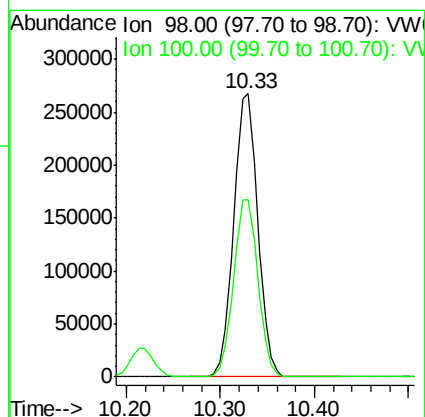
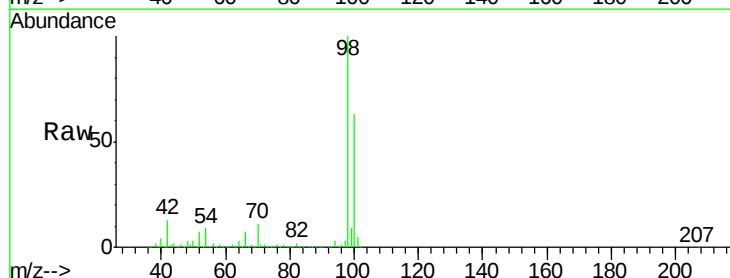
Acq: 03 Jul 2018 19:44

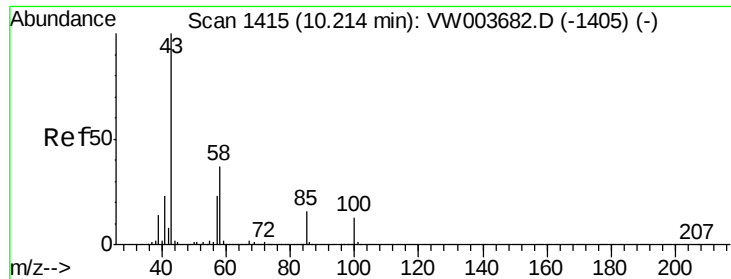
Tgt Ion: 98 Resp: 472479

Ion Ratio Lower Upper

98 100

100 63.5 50.8 76.2

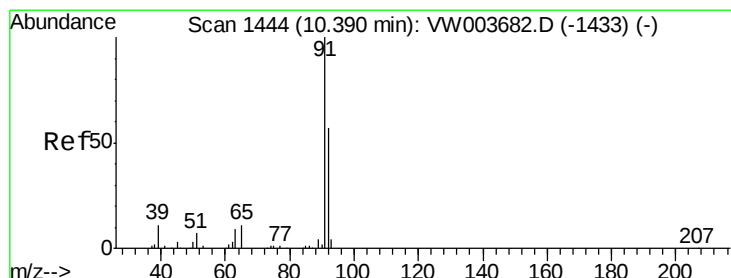
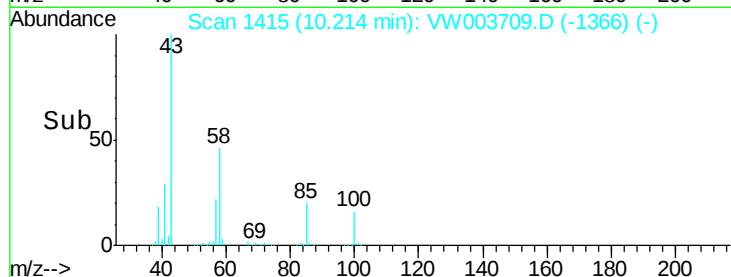
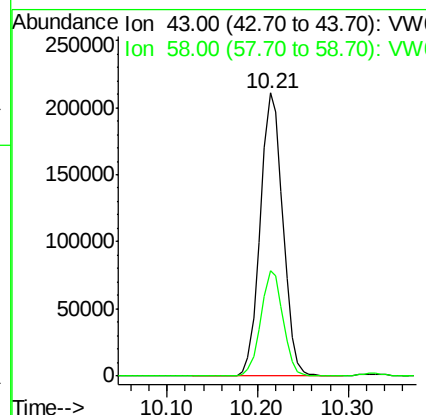
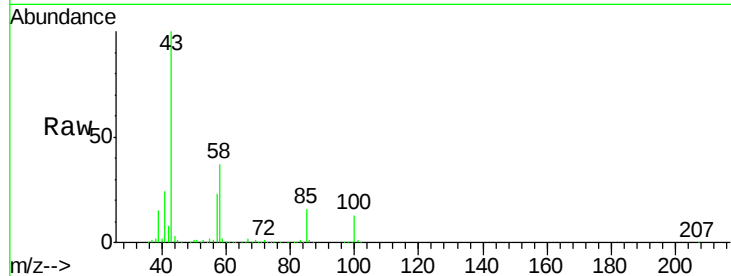




#51
 4-Methyl-2-Pentanone
 Concen: 227.643 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VW003709.D
 Acq: 03 Jul 2018 19:44

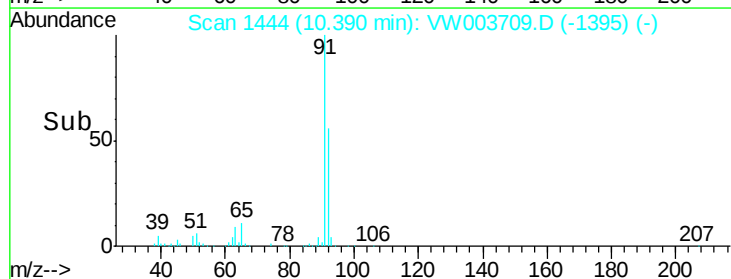
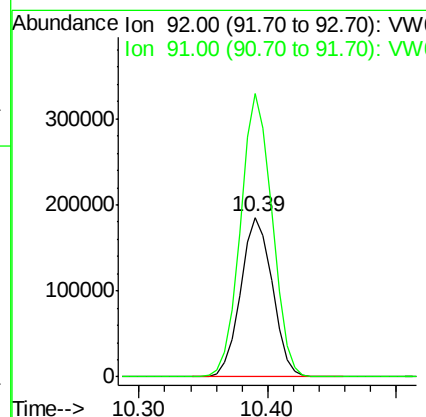
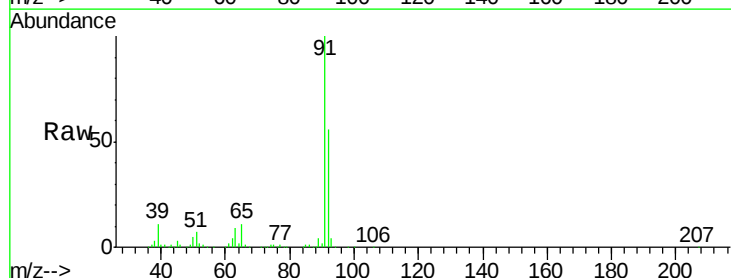
Instrument :
 MSVOA_W
 ClientSampleId :
 GF-G-9MSD

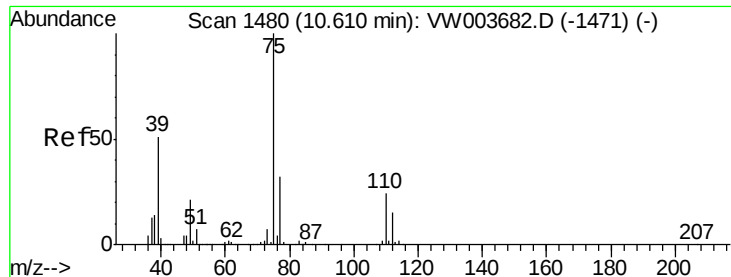
Tgt Ion: 43 Resp: 364310
 Ion Ratio Lower Upper
 43 100
 58 36.5 29.6 44.4



#52
 Toluene
 Concen: 54.453 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VW003709.D
 Acq: 03 Jul 2018 19:44

Tgt Ion: 92 Resp: 316412
 Ion Ratio Lower Upper
 92 100
 91 176.1 140.2 210.2





#53

t-1,3-Dichloropropene

Concen: 49.882 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003709.D

Acq: 03 Jul 2018 19:44

Instrument :

MSVOA_W

ClientSampled :

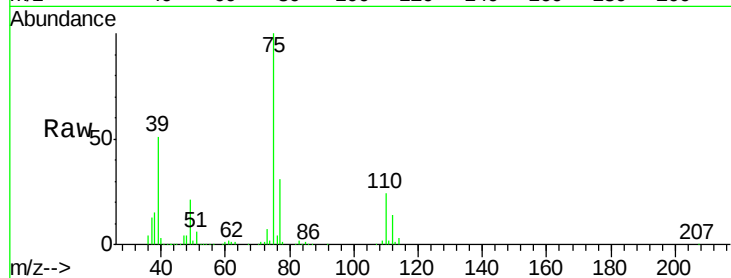
GF-G-9MSD

Tgt Ion: 75 Resp: 160477

Ion Ratio Lower Upper

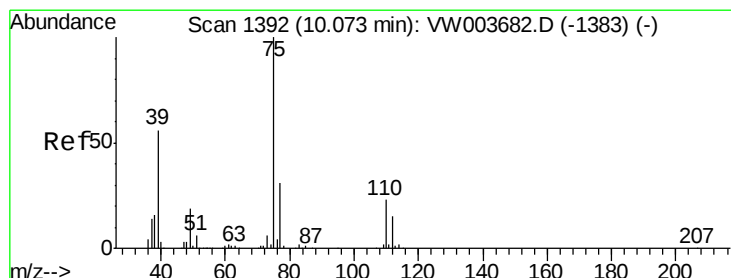
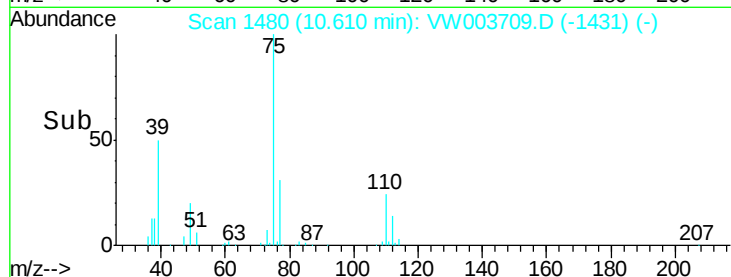
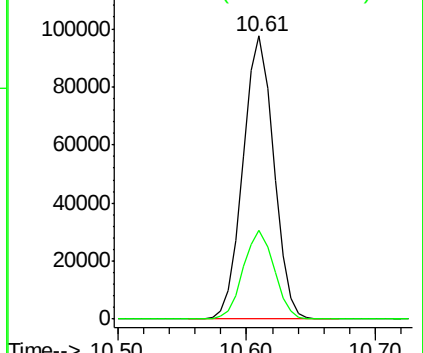
75 100

77 31.0 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 51.511 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW003709.D

Acq: 03 Jul 2018 19:44

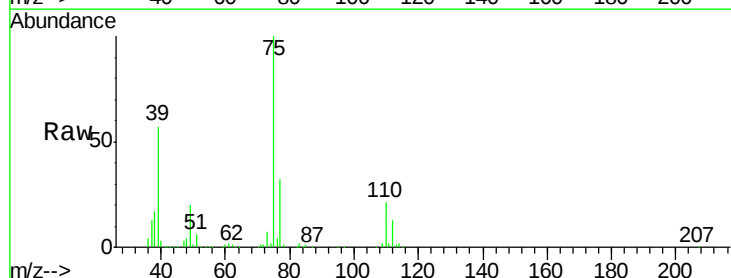
Tgt Ion: 75 Resp: 187875

Ion Ratio Lower Upper

75 100

77 31.7 24.9 37.3

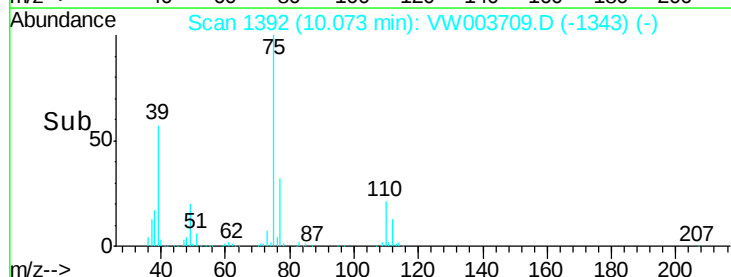
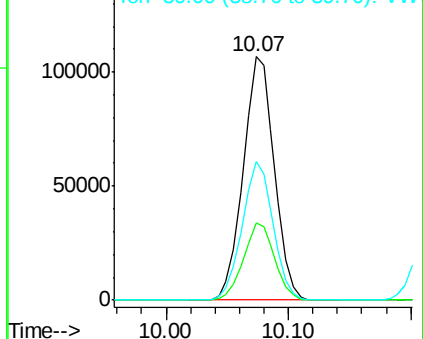
39 56.9 44.6 67.0

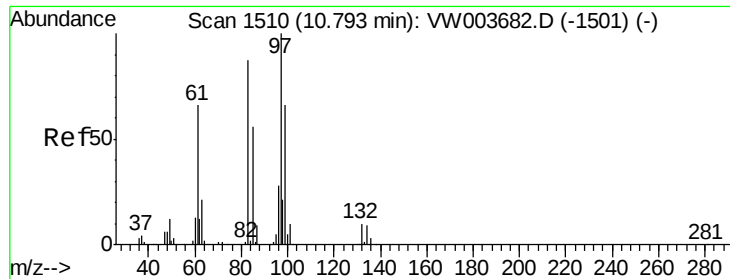


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

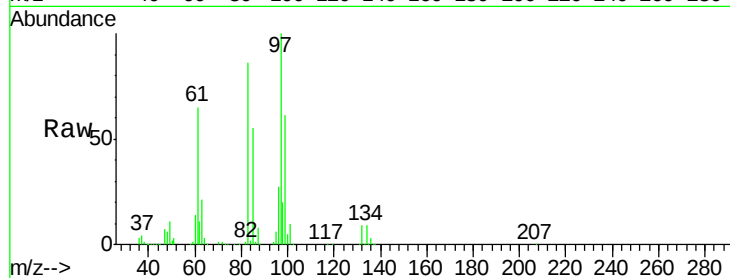




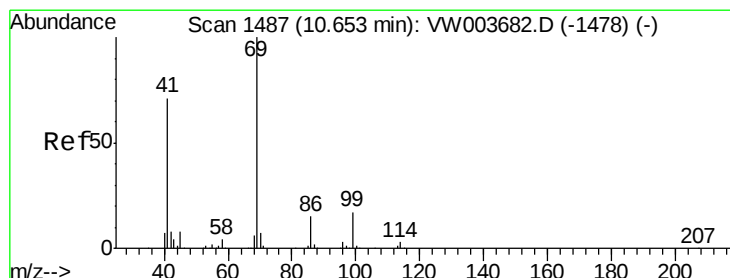
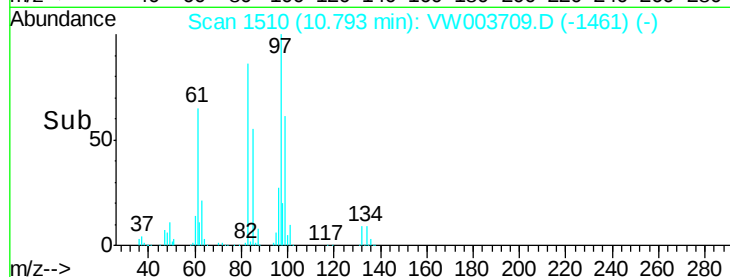
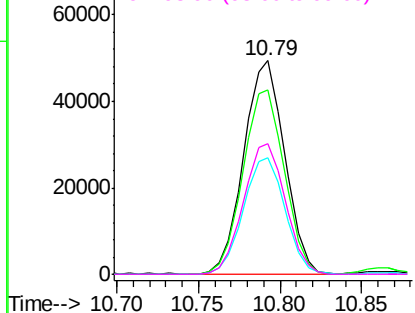
#55
 1,1,2-Trichloroethane
 Concen: 48.858 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW003709.D
 Acq: 03 Jul 2018 19:44

Instrument :
 MSVOA_W
 ClientSampled :
 GF-G-9MSD

Tgt Ion: 97 Resp: 86348
 Ion Ratio Lower Upper
 97 100
 83 86.0 69.5 104.3
 85 54.8 44.7 67.1
 99 61.2 52.6 78.8

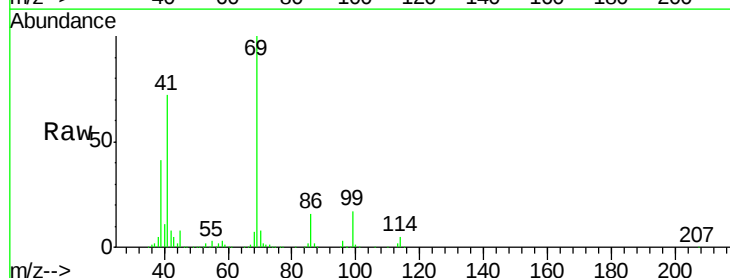


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

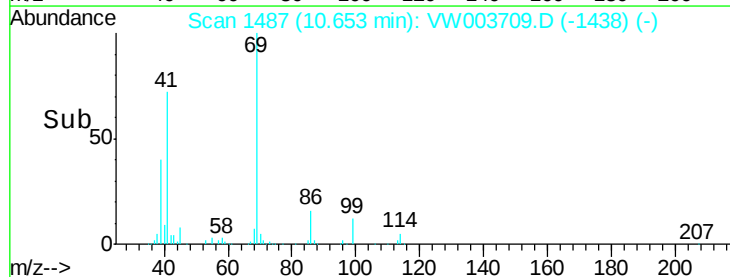
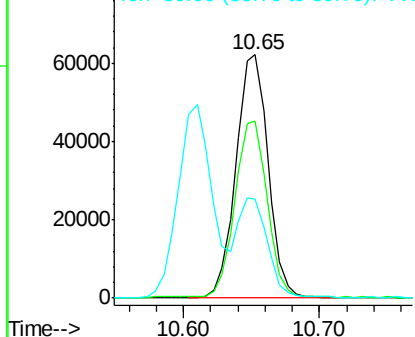


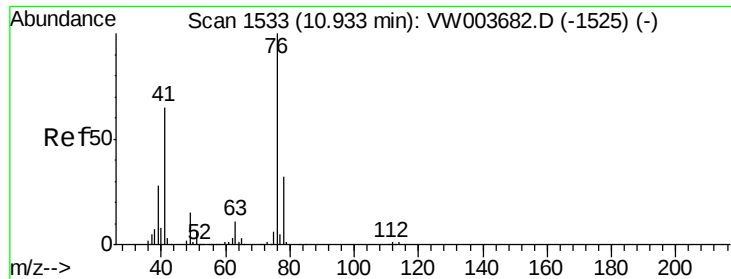
#56
 Ethyl methacrylate
 Concen: 41.449 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW003709.D
 Acq: 03 Jul 2018 19:44

Tgt Ion: 69 Resp: 102299
 Ion Ratio Lower Upper
 69 100
 41 72.1 57.5 86.3
 39 37.1 29.4 44.0



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW

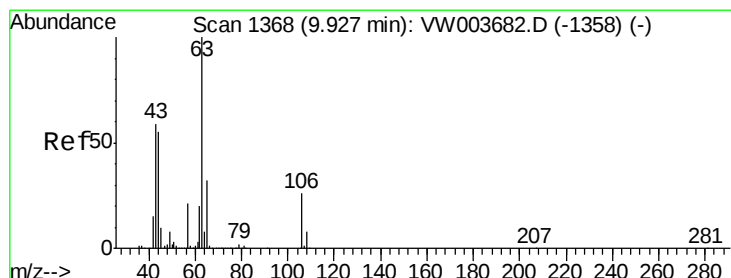
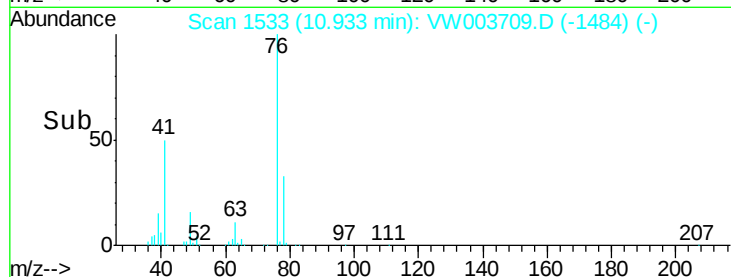
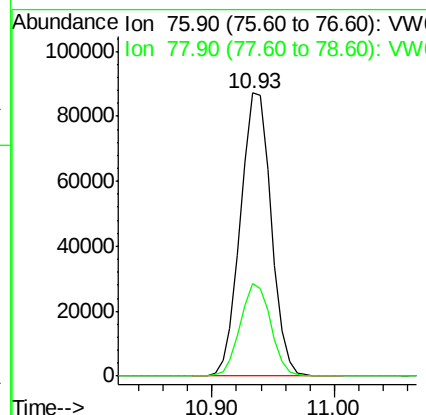
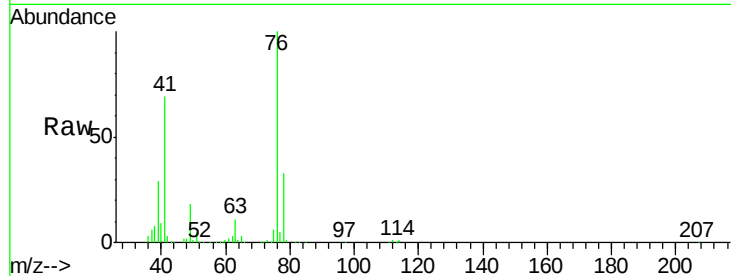




#57
 1,3-Dichloropropane
 Concen: 49.506 ug/l
 RT: 10.93 min Scan# 1533
 Delta R.T. 0.00 min
 Lab File: VW003709.D
 Acq: 03 Jul 2018 19:44

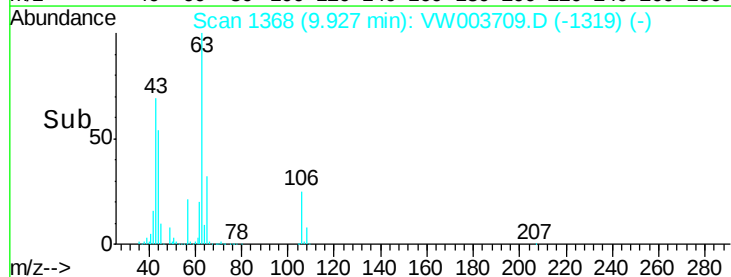
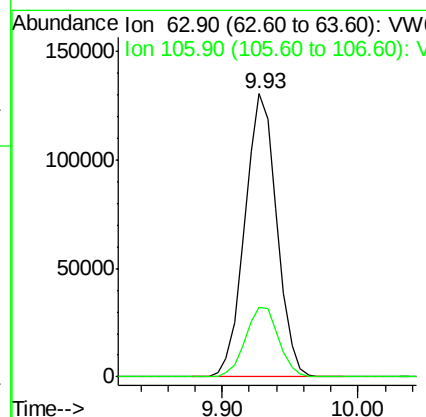
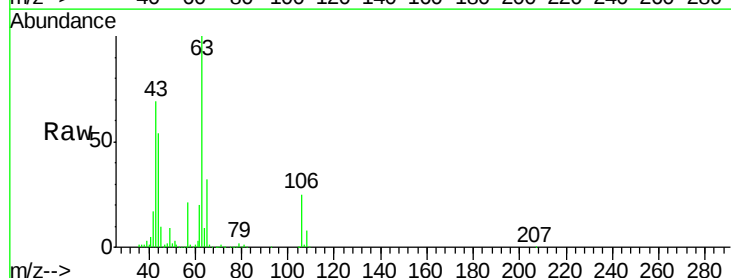
Instrument :
 MSVOA_W
 ClientSampleId :
 GF-G-9MSD

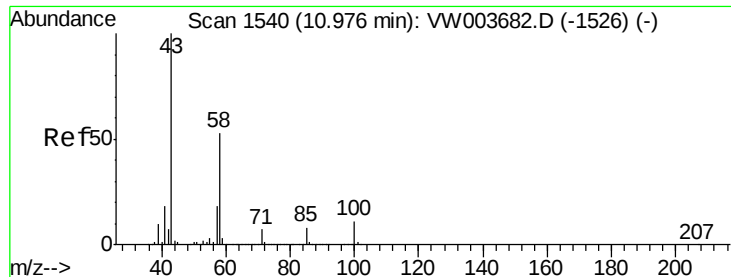
Tgt Ion: 76 Resp: 151990
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 226.793 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW003709.D
 Acq: 03 Jul 2018 19:44

Tgt Ion: 63 Resp: 214242
 Ion Ratio Lower Upper
 63 100
 106 25.9 20.7 31.1

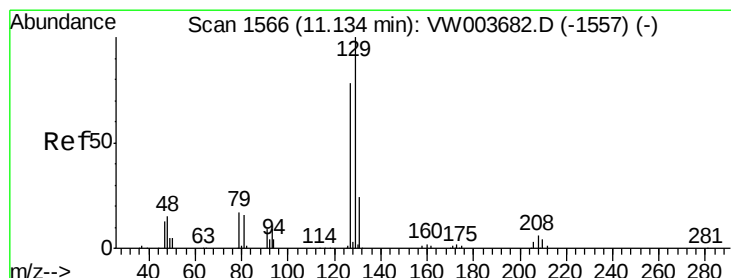
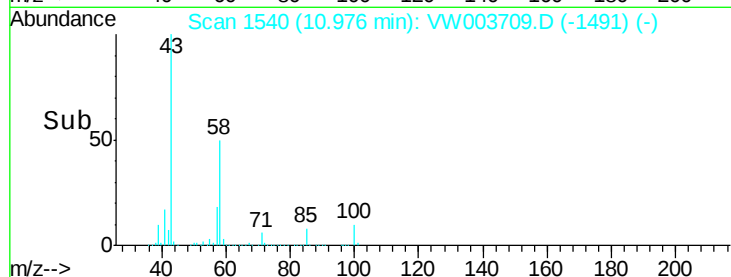
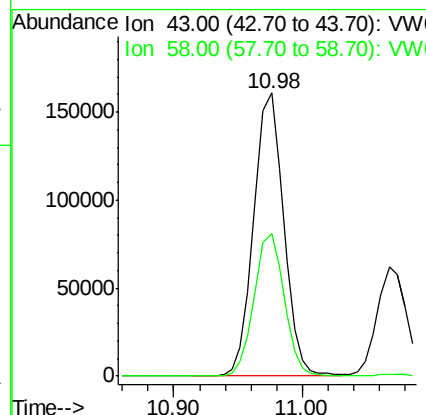
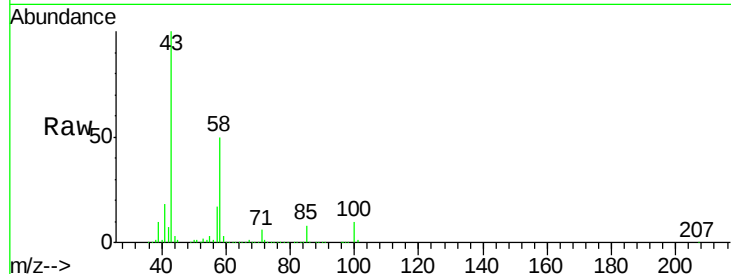




#59
2-Hexanone
Concen: 226.669 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003709.D
Acq: 03 Jul 2018 19:44

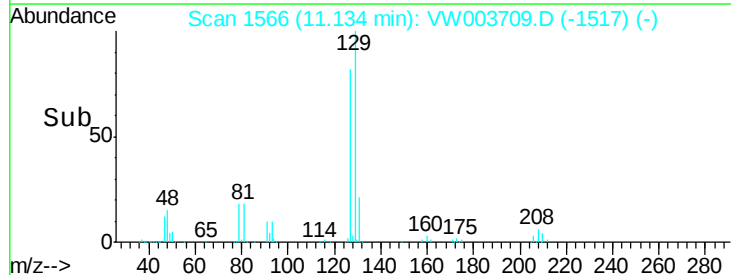
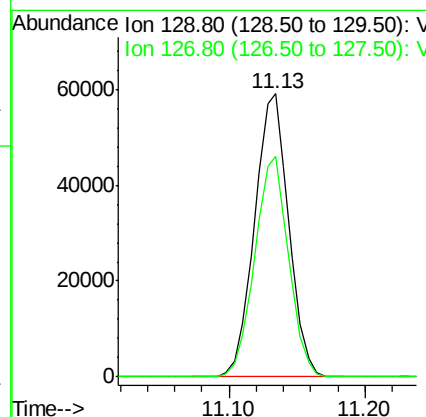
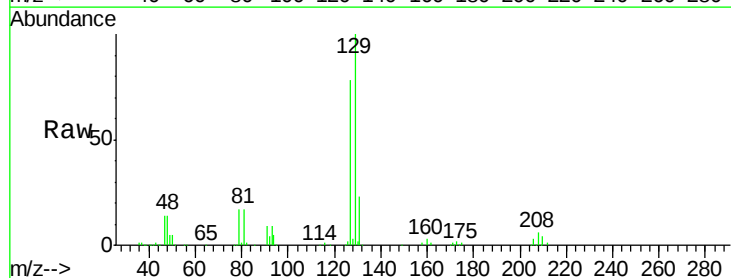
Instrument :
MSVOA_W
ClientSampleId :
GF-G-9MSD

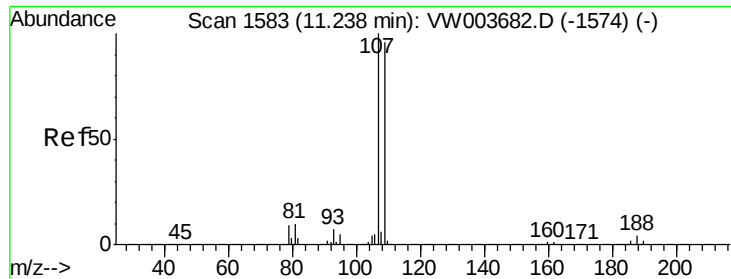
Tgt Ion: 43 Resp: 259308
Ion Ratio Lower Upper
43 100
58 50.2 25.9 77.6



#60
Dibromochloromethane
Concen: 50.259 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003709.D
Acq: 03 Jul 2018 19:44

Tgt Ion: 129 Resp: 103837
Ion Ratio Lower Upper
129 100
127 77.2 39.1 117.2

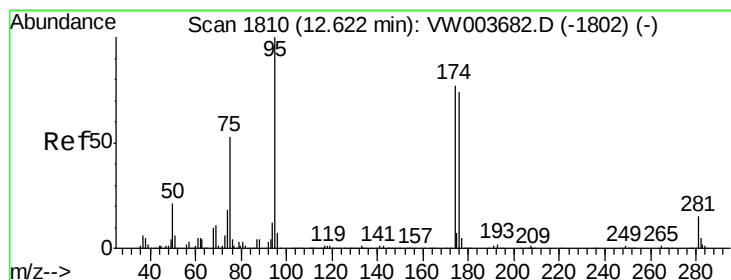
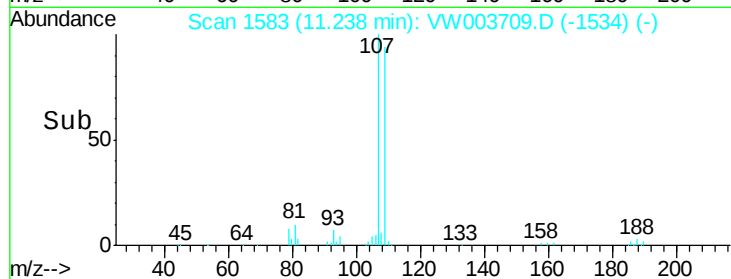
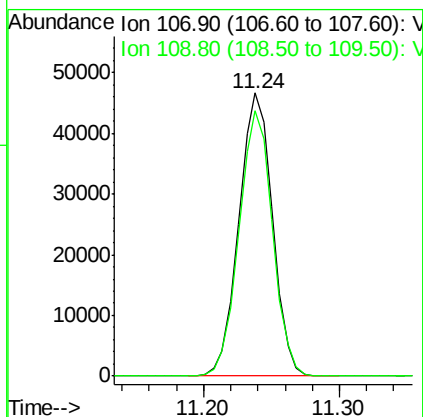
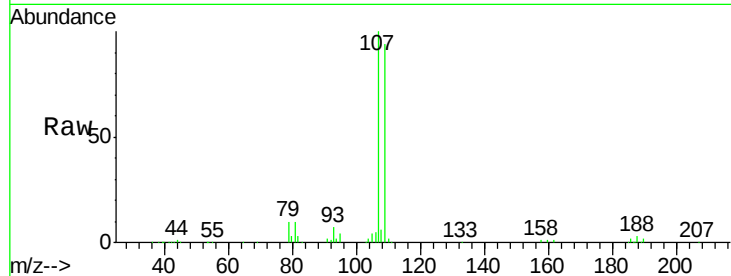




#61
 1,2-Dibromoethane
 Concen: 47.448 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW003709.D
 Acq: 03 Jul 2018 19:44

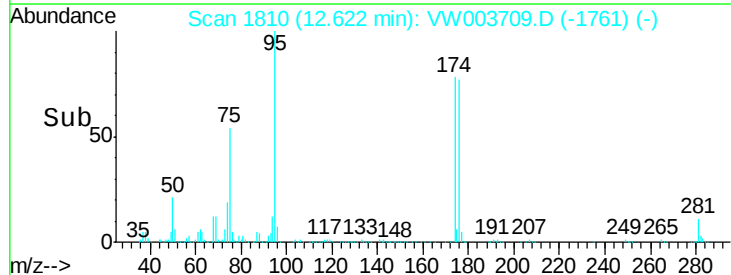
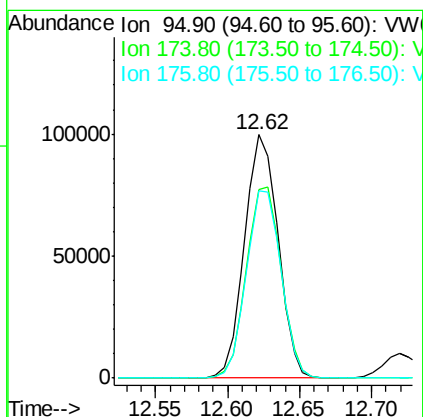
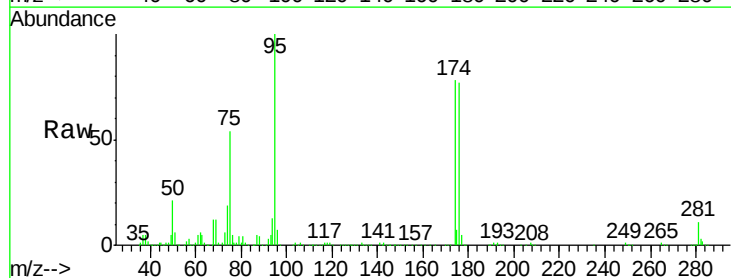
Instrument :
 MSVOA_W
 ClientSampleId :
 GF-G-9MSD

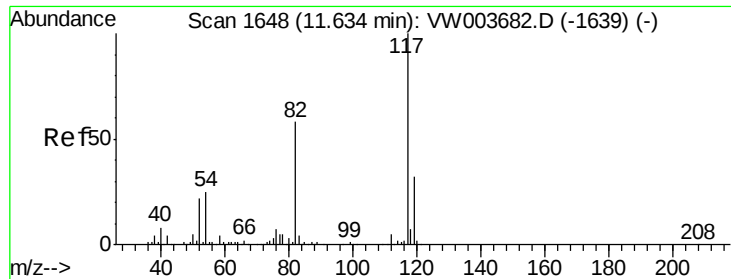
Tgt Ion: 107 Resp: 80320
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 52.937 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW003709.D
 Acq: 03 Jul 2018 19:44

Tgt Ion: 95 Resp: 160698
 Ion Ratio Lower Upper
 95 100
 174 81.3 0.0 161.2
 176 79.7 0.0 155.0

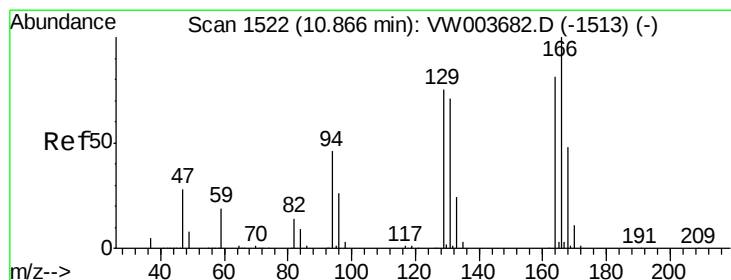
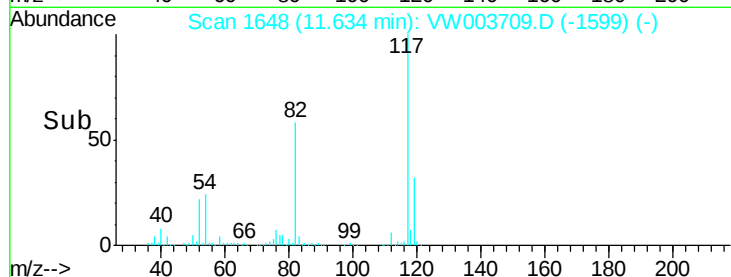
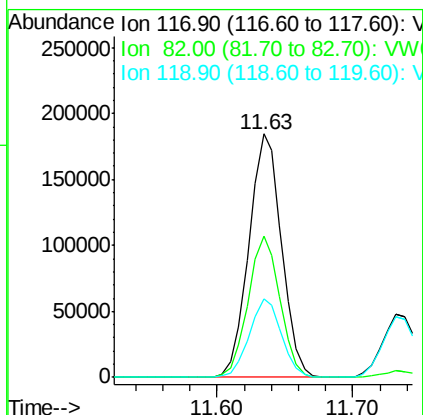
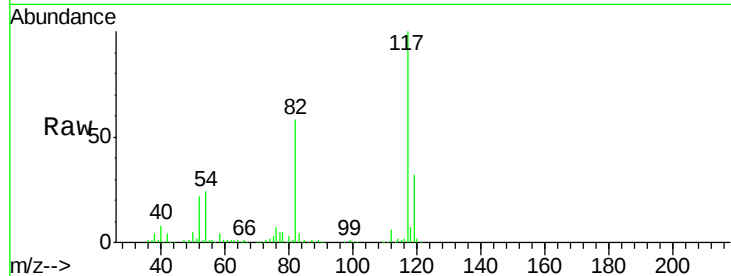




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003709.D
Acq: 03 Jul 2018 19:44

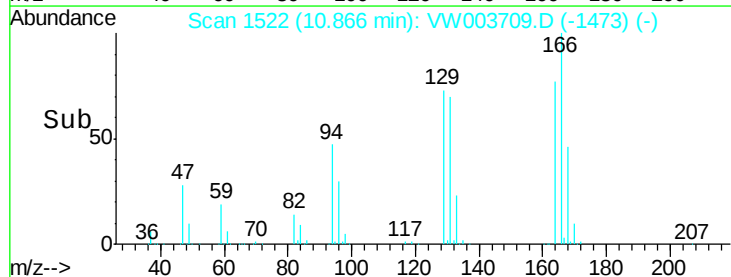
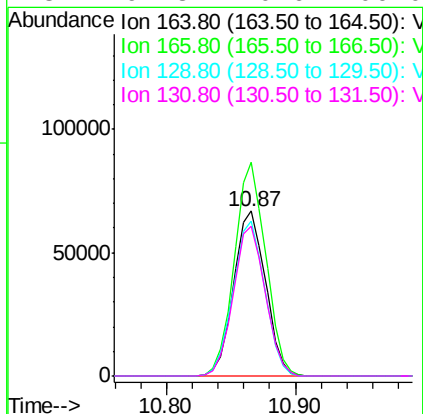
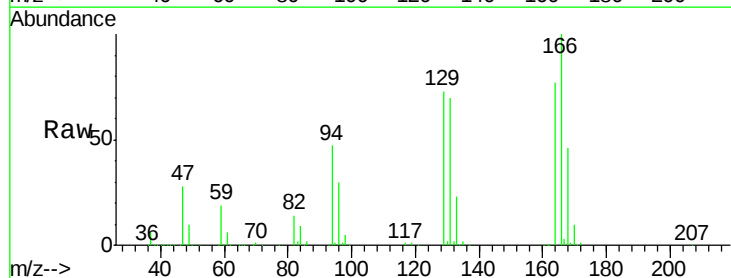
Instrument :
MSVOA_W
ClientSampleId :
GF-G-9MSD

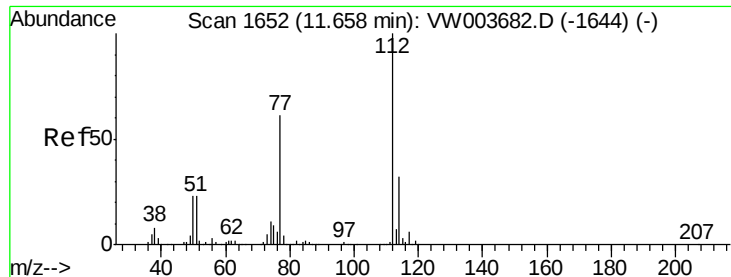
Tgt Ion:117 Resp: 310081
Ion Ratio Lower Upper
117 100
82 57.7 46.0 69.0
119 32.1 25.4 38.0



#64
Tetrachloroethene
Concen: 54.609 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003709.D
Acq: 03 Jul 2018 19:44

Tgt Ion:164 Resp: 114449
Ion Ratio Lower Upper
164 100
166 129.7 99.0 148.4
129 94.3 73.8 110.6
131 91.3 70.6 106.0





#65

Chlorobenzene

Concen: 51.744 ug/l

RT: 11.66 min Scan# 1652

Delta R.T. 0.00 min

Lab File: VW003709.D

Acq: 03 Jul 2018 19:44

Instrument :

MSVOA_W

ClientSampleId :

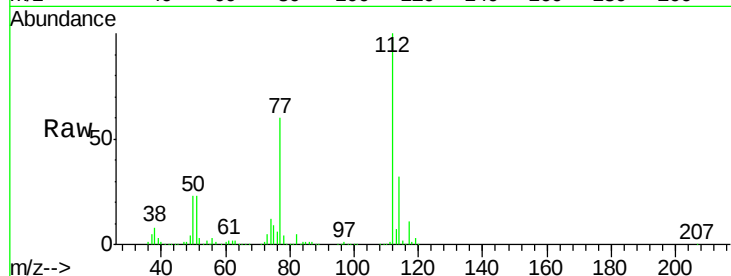
GF-G-9MSD

Tgt Ion:112 Resp: 337320

Ion Ratio Lower Upper

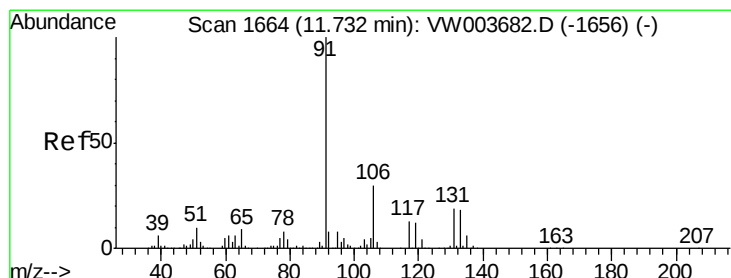
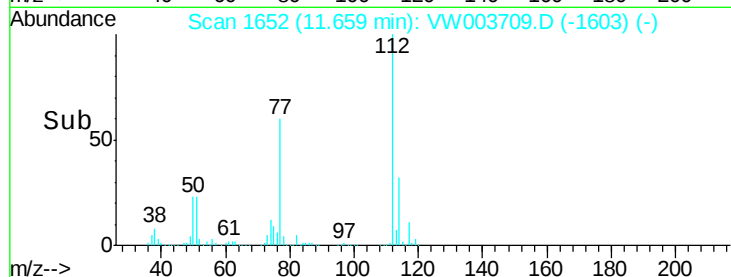
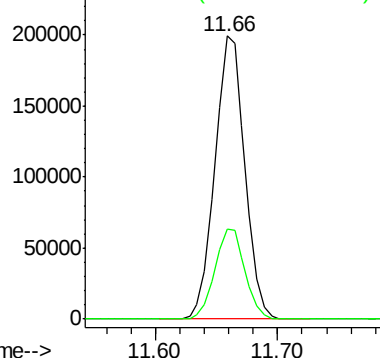
112 100

114 32.0 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.492 ug/l

RT: 11.73 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VW003709.D

Acq: 03 Jul 2018 19:44

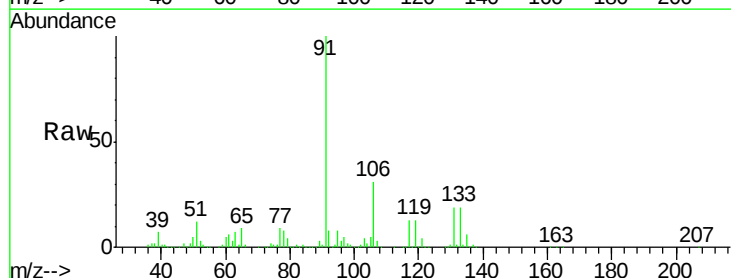
Tgt Ion:131 Resp: 121870

Ion Ratio Lower Upper

131 100

133 95.1 47.6 142.8

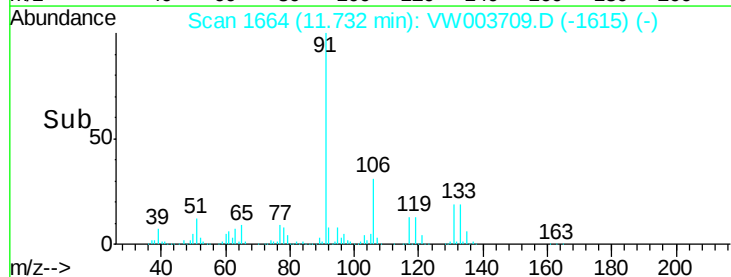
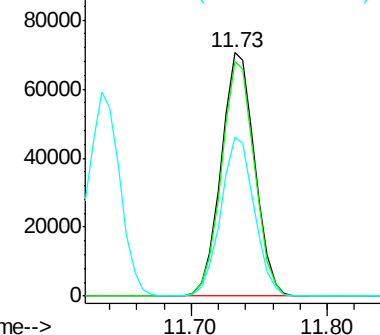
119 65.0 31.9 95.9

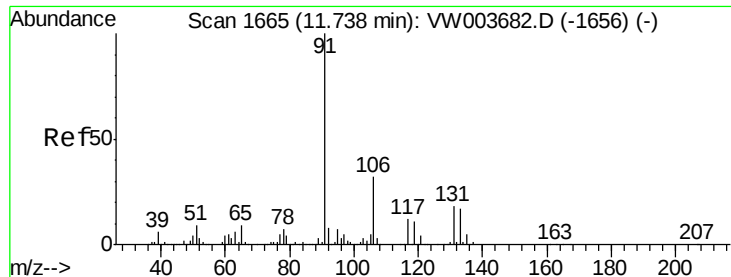


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

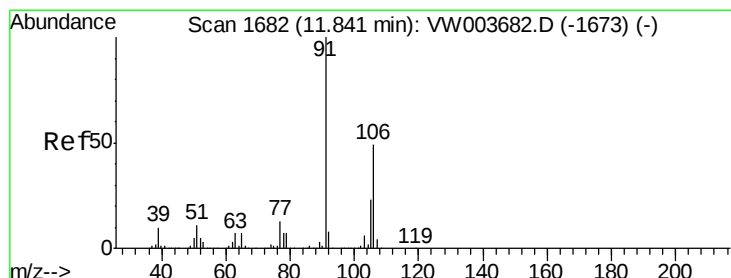
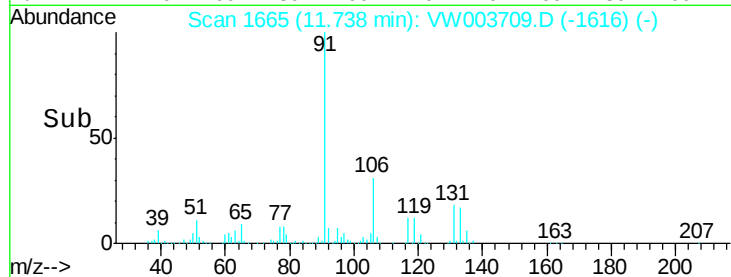
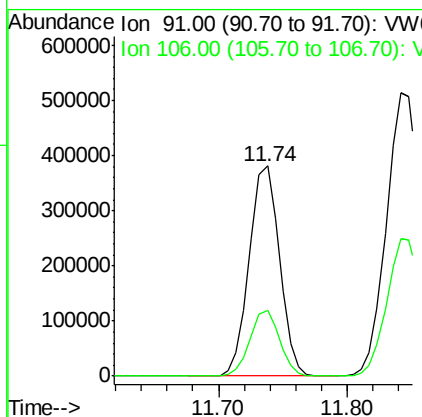
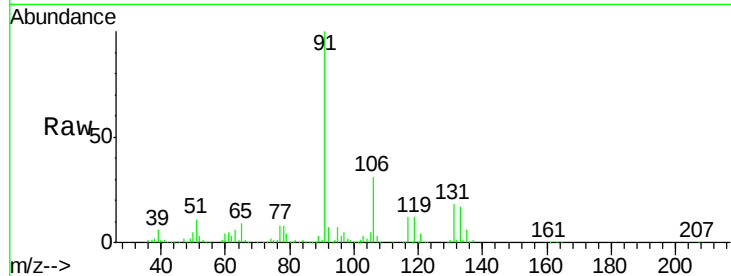




#67
Ethyl Benzene
Concen: 54.028 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003709.D
Acq: 03 Jul 2018 19:44

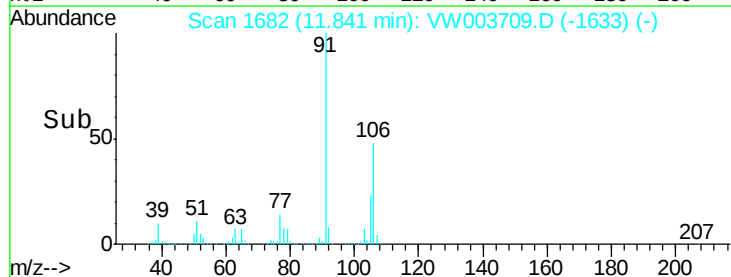
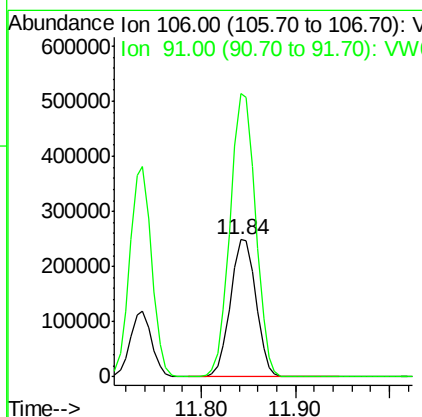
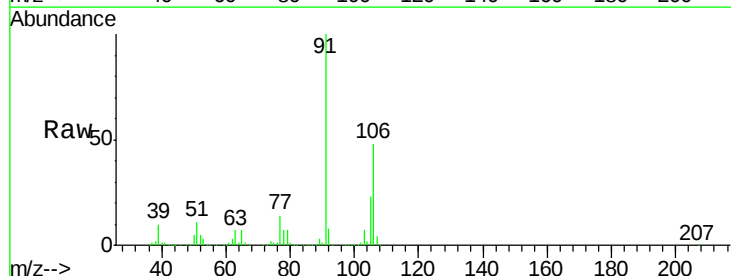
Instrument :
MSVOA_W
ClientSampled :
GF-G-9MSD

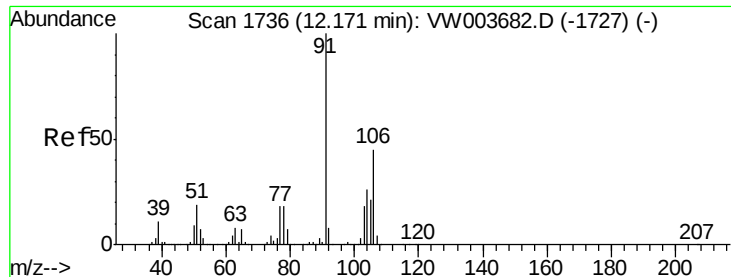
Tgt Ion: 91 Resp: 617122
Ion Ratio Lower Upper
91 100
106 31.1 25.2 37.8



#68
m/p-Xylenes
Concen: 108.172 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VW003709.D
Acq: 03 Jul 2018 19:44

Tgt Ion: 106 Resp: 469859
Ion Ratio Lower Upper
106 100
91 206.0 163.7 245.5

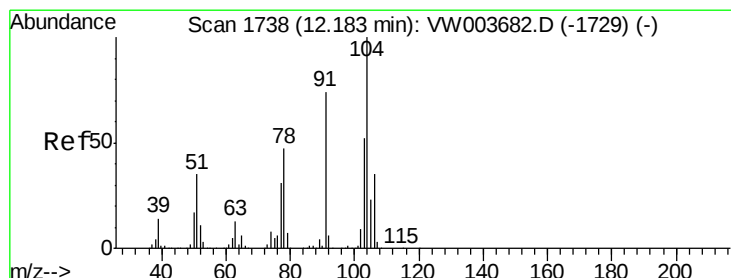
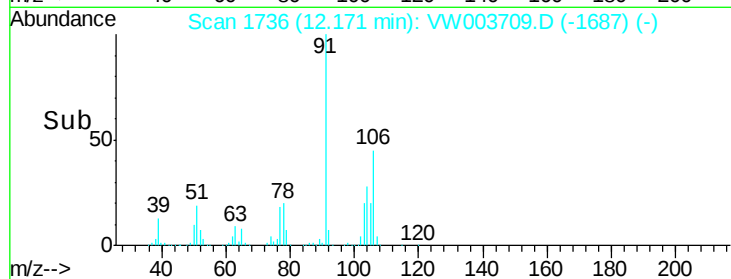
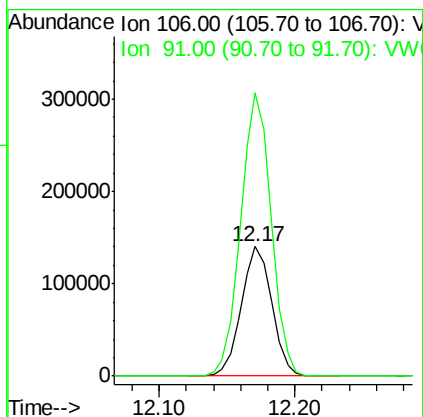
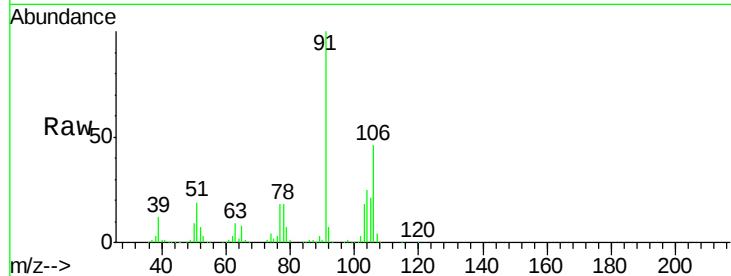




#69
o-Xylene
Concen: 54.872 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003709.D
Acq: 03 Jul 2018 19:44

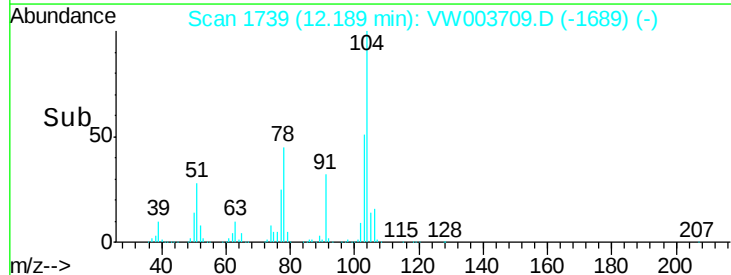
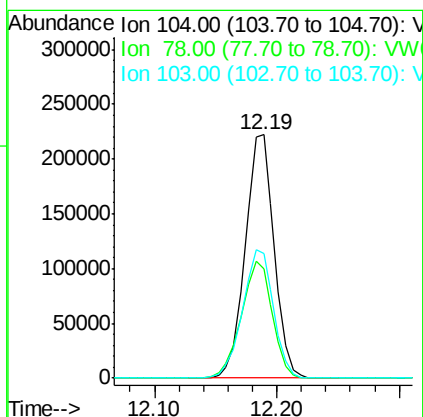
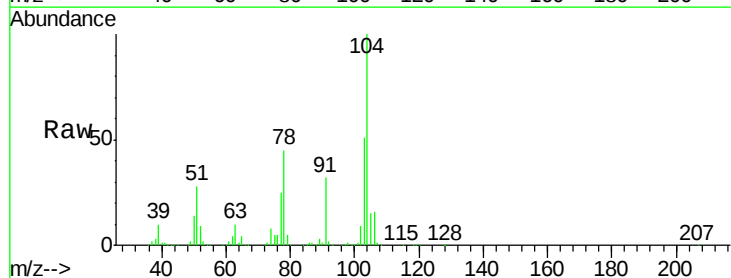
Instrument :
MSVOA_W
ClientSampleId :
GF-G-9MSD

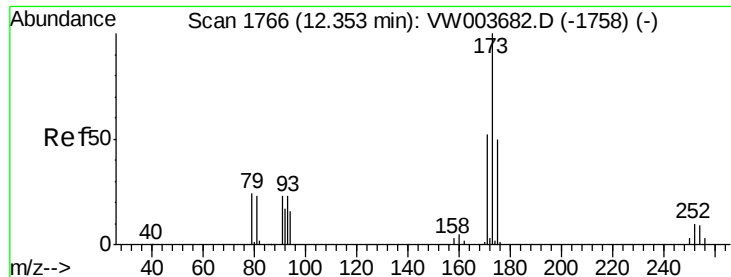
Tgt Ion:106 Resp: 220336
Ion Ratio Lower Upper
106 100
91 218.0 109.3 327.8



#70
Styrene
Concen: 53.910 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW003709.D
Acq: 03 Jul 2018 19:44

Tgt Ion:104 Resp: 363591
Ion Ratio Lower Upper
104 100
78 51.9 40.2 60.4
103 56.8 44.4 66.6





#71

Bromoform

Concen: 47.784 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003709.D

Acq: 03 Jul 2018 19:44

Instrument :

MSVOA_W

ClientSampleId :

GF-G-9MSD

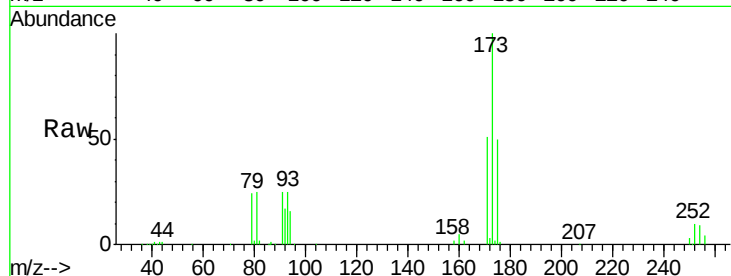
Tgt Ion:173 Resp: 60490

Ion Ratio Lower Upper

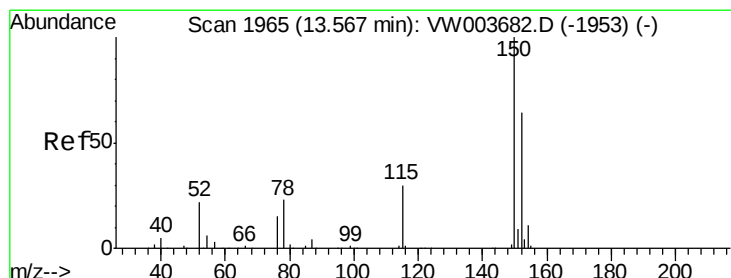
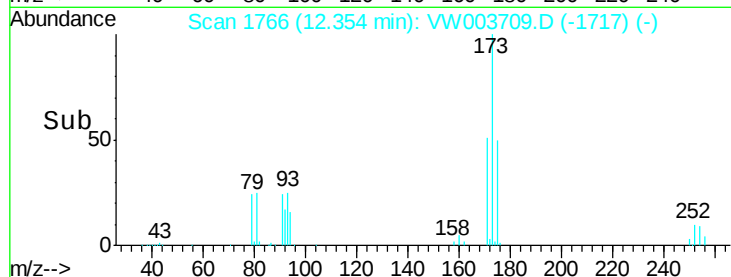
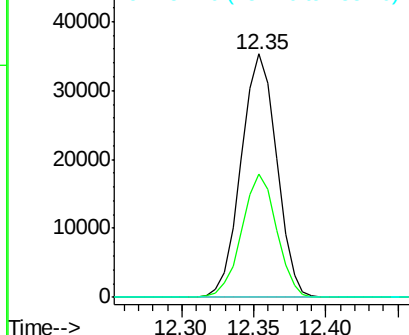
173 100

175 49.3 24.5 73.5

254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003709.D

Acq: 03 Jul 2018 19:44

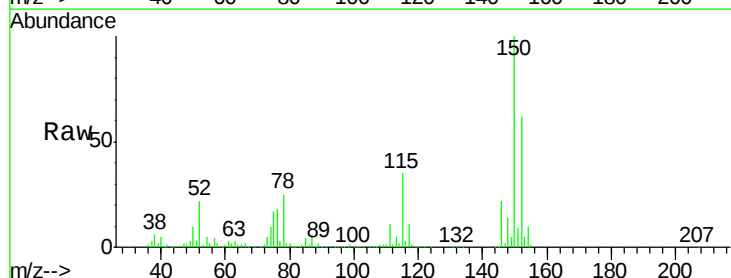
Tgt Ion:152 Resp: 158290

Ion Ratio Lower Upper

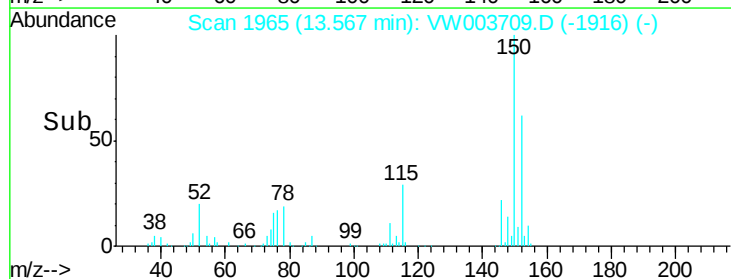
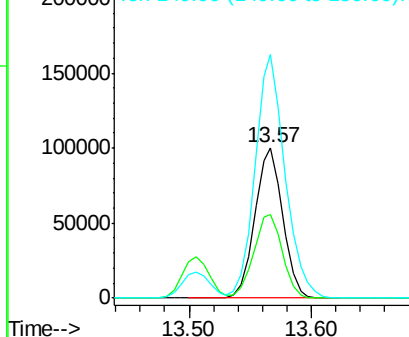
152 100

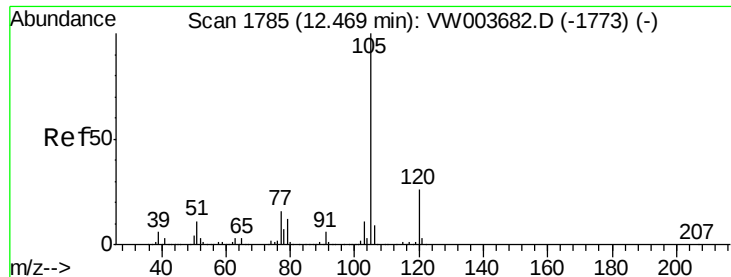
115 57.8 29.3 88.0

150 174.5 0.0 352.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.993 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003709.D

Acq: 03 Jul 2018 19:44

Instrument :

MSVOA_W

ClientSampleId :

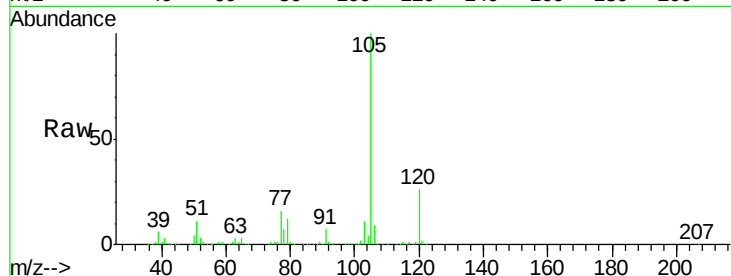
GF-G-9MSD

Tgt Ion: 105 Resp: 602897

Ion Ratio Lower Upper

105 100

120 26.0 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

400000

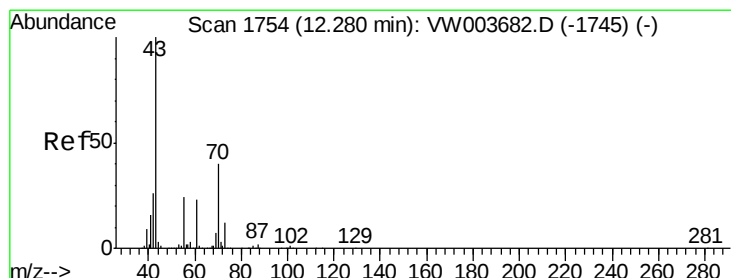
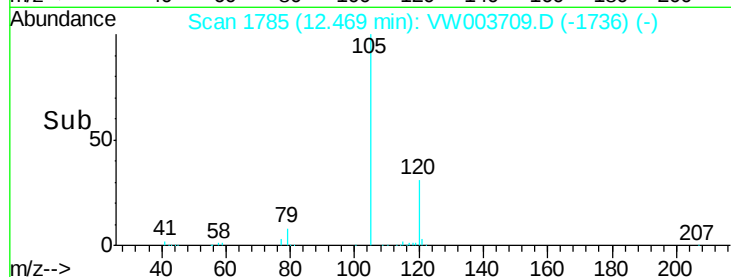
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 35.850 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW003709.D

Acq: 03 Jul 2018 19:44

Tgt Ion: 43 Resp: 101928

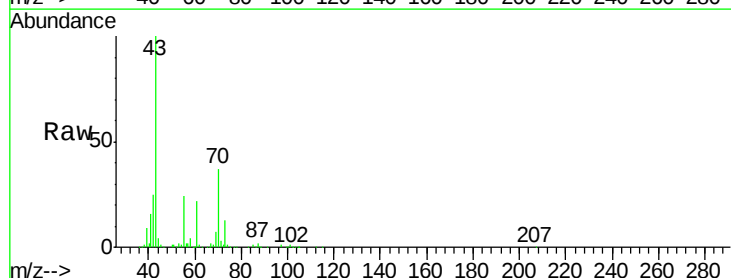
Ion Ratio Lower Upper

43 100

70 38.7 31.3 46.9

55 25.3 20.1 30.1

61 22.3 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

100000

80000

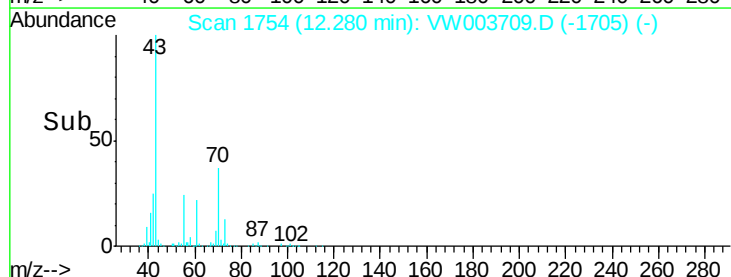
60000

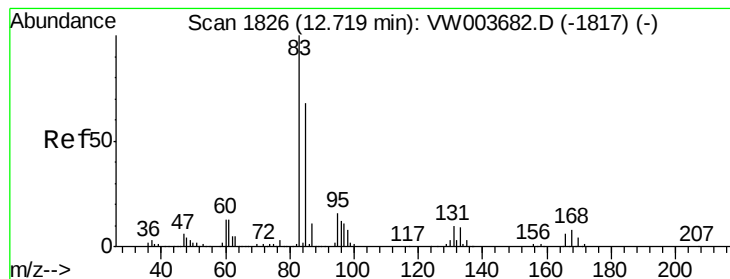
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.266 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003709.D

Acq: 03 Jul 2018 19:44

Instrument :

MSVOA_W

ClientSampleId :

GF-G-9MSD

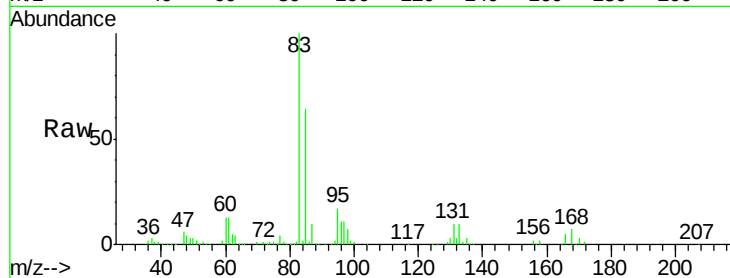
Tgt Ion: 83 Resp: 101652

Ion Ratio Lower Upper

83 100

131 10.4 5.3 15.9

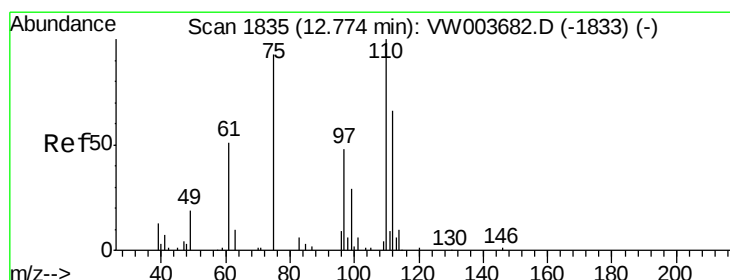
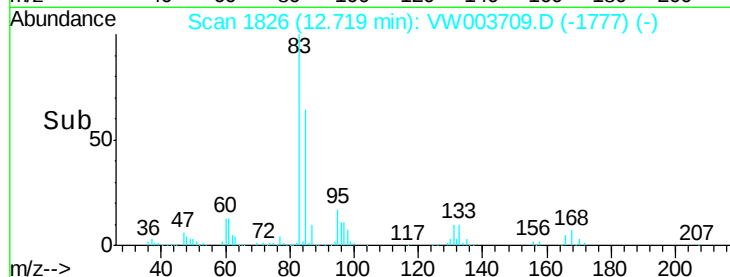
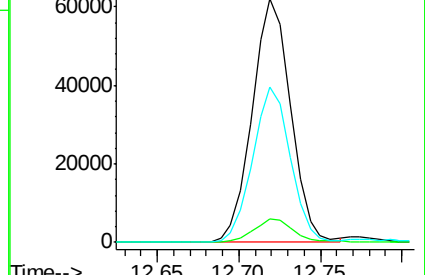
85 62.8 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 95.420 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003709.D

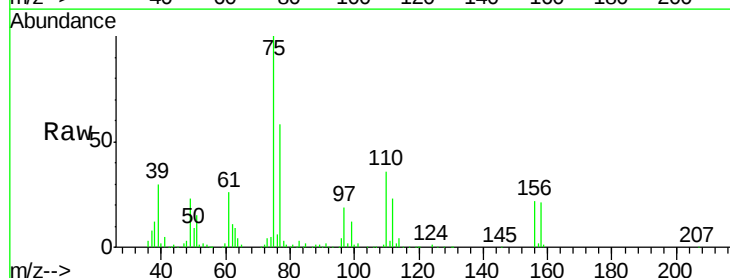
Acq: 03 Jul 2018 19:44

Tgt Ion: 75 Resp: 135807

Ion Ratio Lower Upper

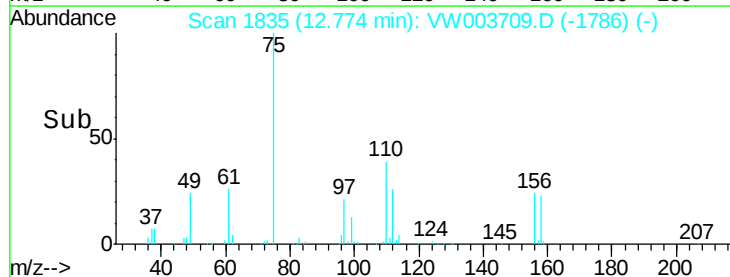
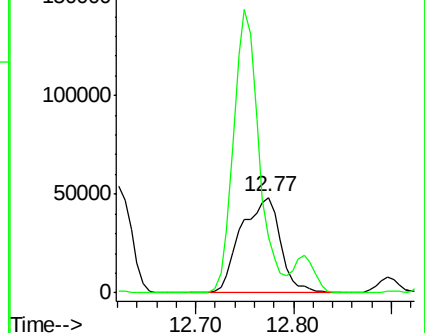
75 100

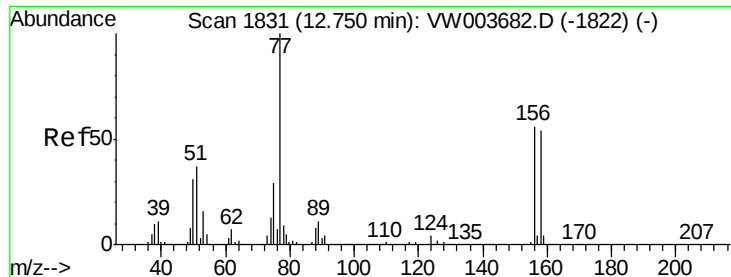
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 52.904 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VW003709.D

Acq: 03 Jul 2018 19:44

Instrument :

MSVOA_W

ClientSampleId :

GF-G-9MSD

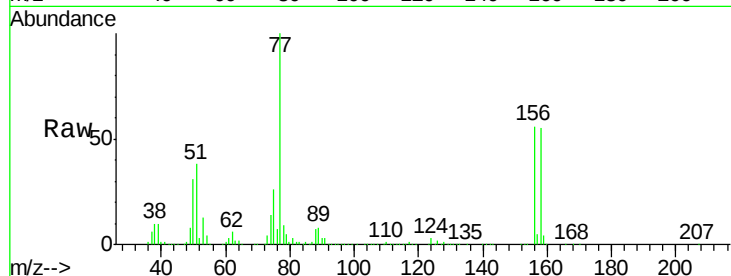
Tgt Ion:156 Resp: 136708

Ion Ratio Lower Upper

156 100

77 190.6 95.8 287.4

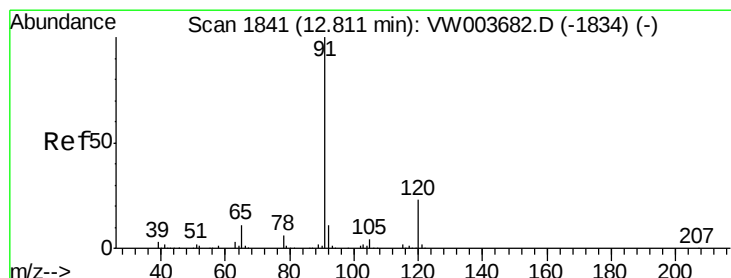
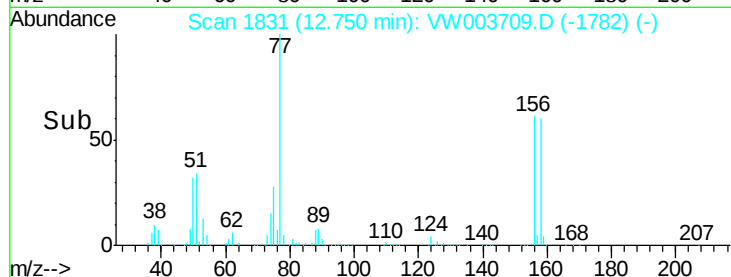
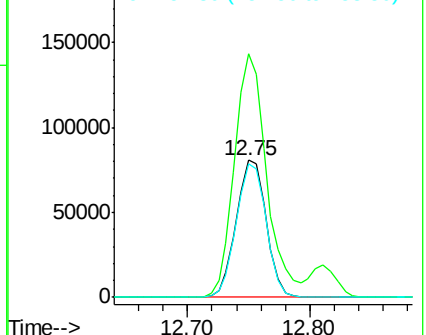
158 97.5 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.734 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003709.D

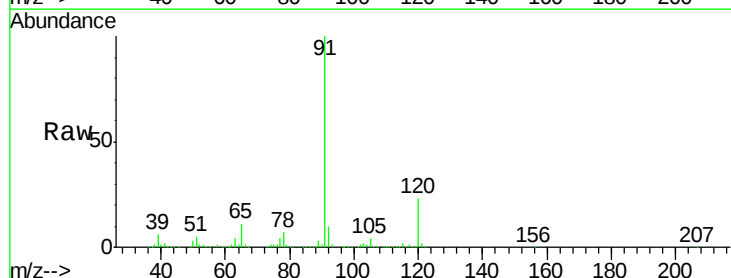
Acq: 03 Jul 2018 19:44

Tgt Ion: 91 Resp: 728053

Ion Ratio Lower Upper

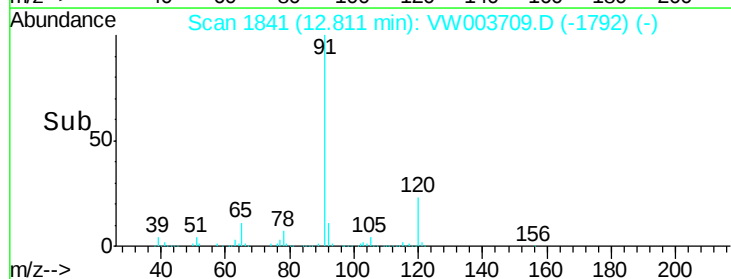
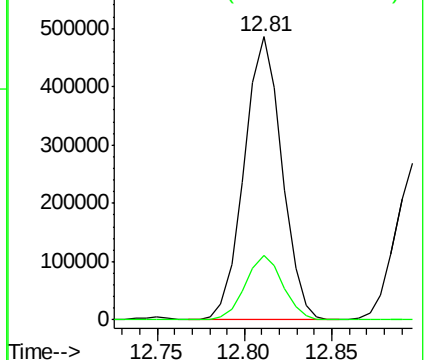
91 100

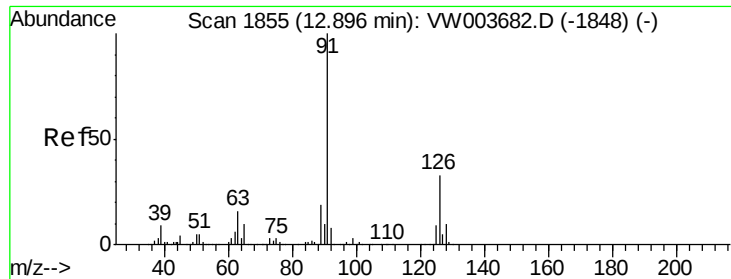
120 22.6 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

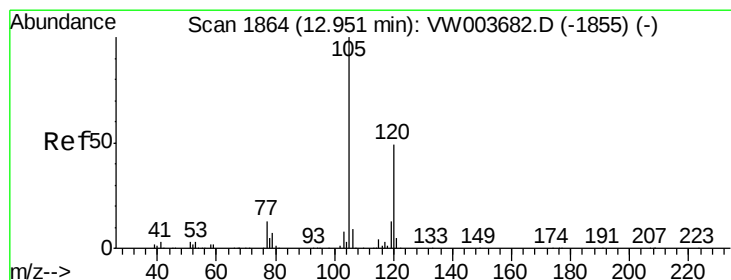
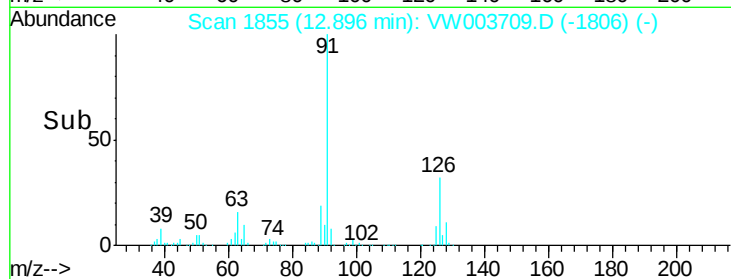
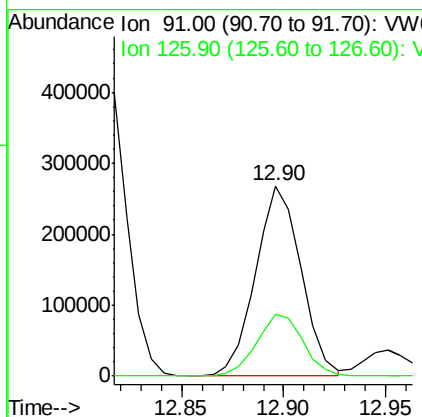
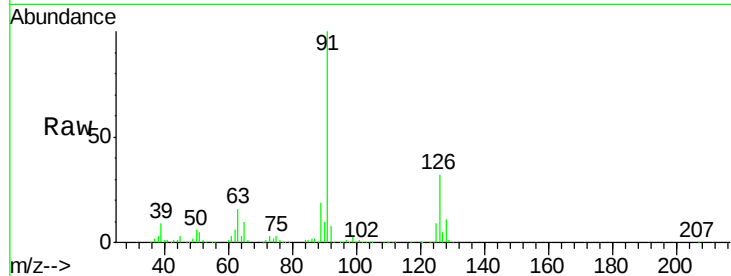




#79
 2-Chlorotoluene
 Concen: 54.828 ug/l
 RT: 12.90 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW003709.D
 Acq: 03 Jul 2018 19:44

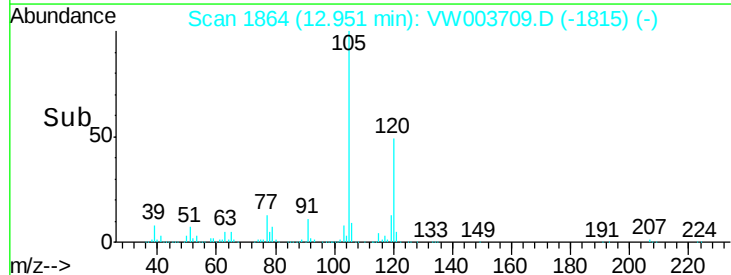
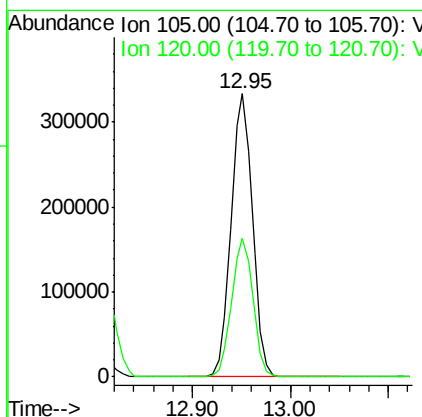
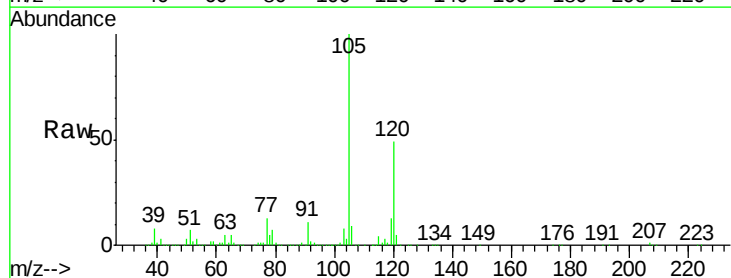
Instrument :
 MSVOA_W
 ClientSampled :
 GF-G-9MSD

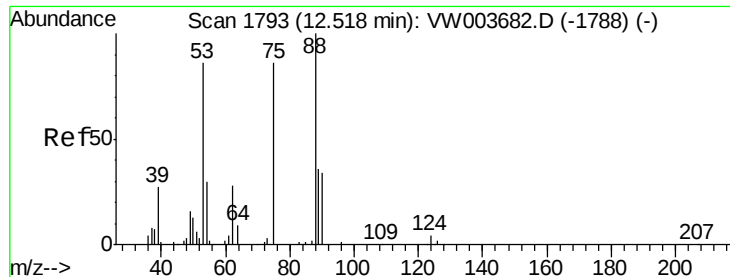
Tgt Ion: 91 Resp: 415007
 Ion Ratio Lower Upper
 91 100
 126 33.3 16.4 49.4



#80
 1,3,5-Trimethylbenzene
 Concen: 55.554 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VW003709.D
 Acq: 03 Jul 2018 19:44

Tgt Ion: 105 Resp: 506023
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 46.176 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW003709.D

Acq: 03 Jul 2018 19:44

Instrument :

MSVOA_W

ClientSampled :

GF-G-9MSD

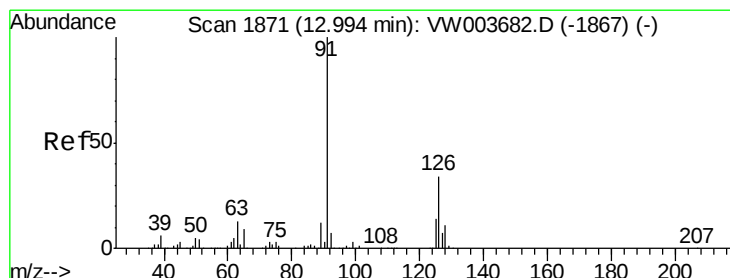
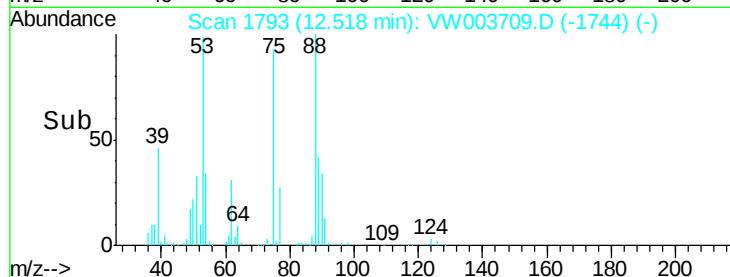
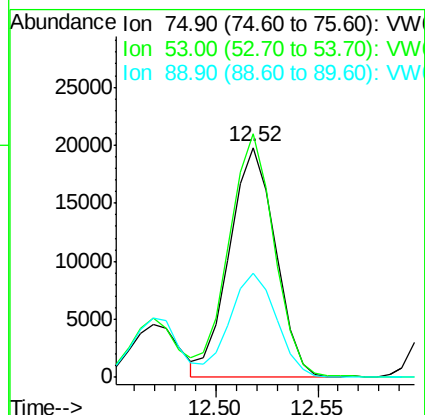
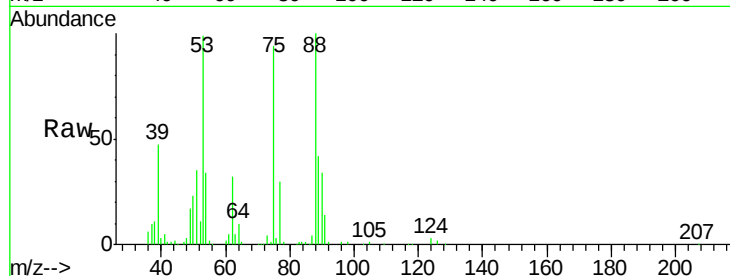
Tgt Ion: 75 Resp: 31016

Ion Ratio Lower Upper

75 100

53 105.1 82.4 123.6

89 45.5 35.9 53.9



#82

4-Chlorotoluene

Concen: 54.066 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VW003709.D

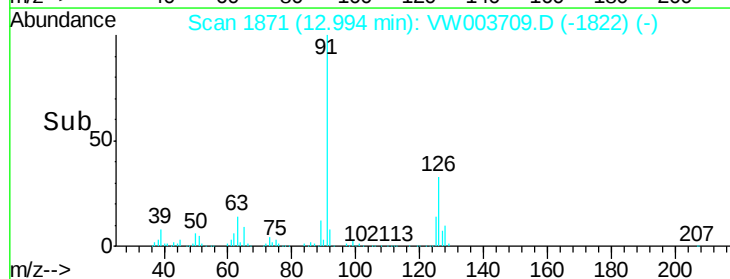
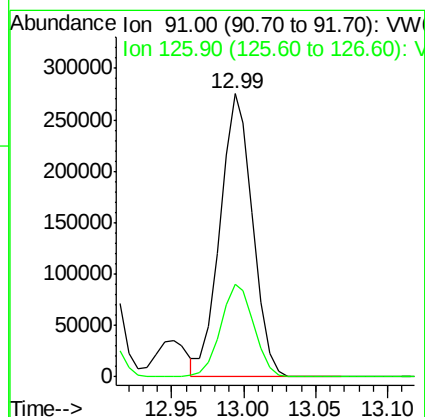
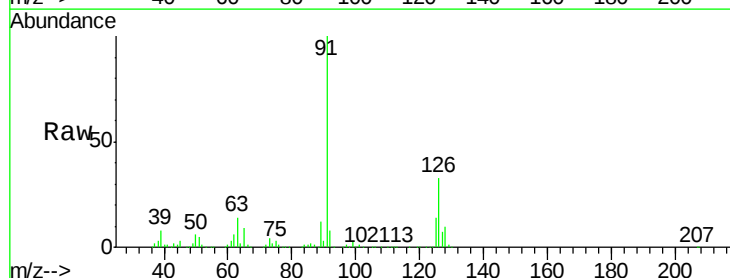
Acq: 03 Jul 2018 19:44

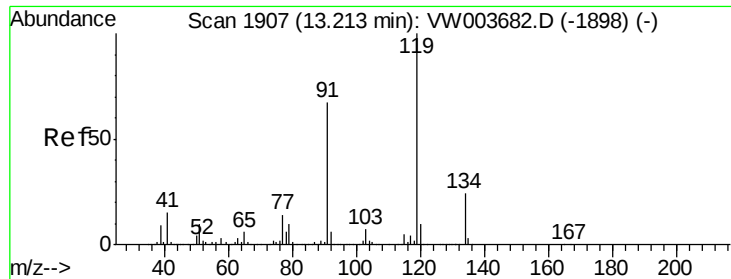
Tgt Ion: 91 Resp: 434425

Ion Ratio Lower Upper

91 100

126 33.4 17.0 50.9

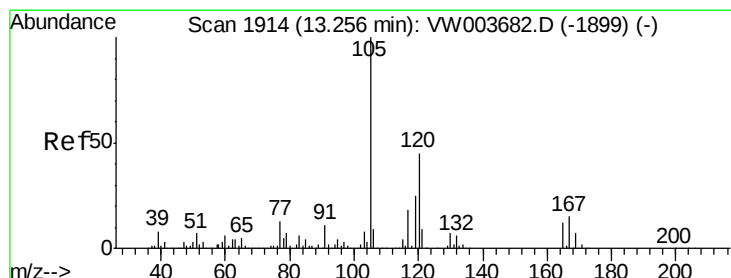
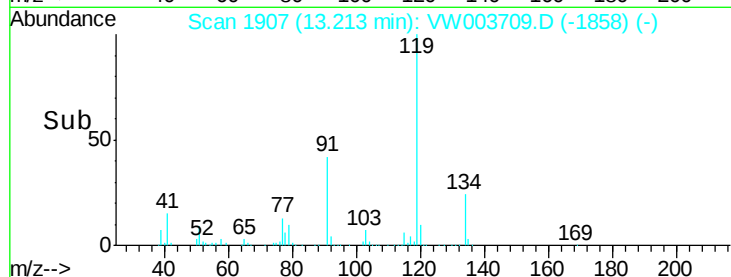
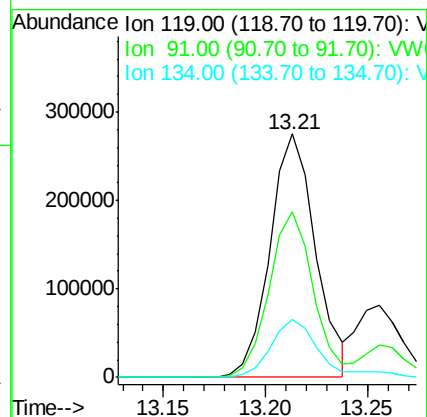
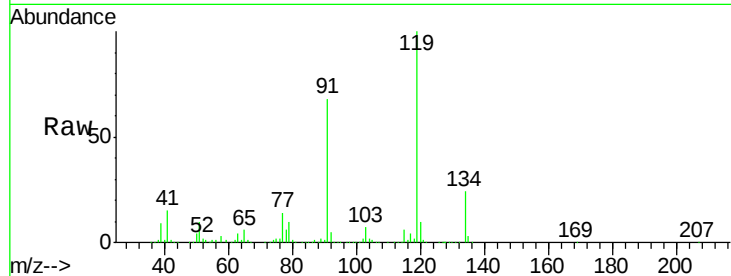




#83
tert-Butylbenzene
Concen: 55.775 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW003709.D
Acq: 03 Jul 2018 19:44

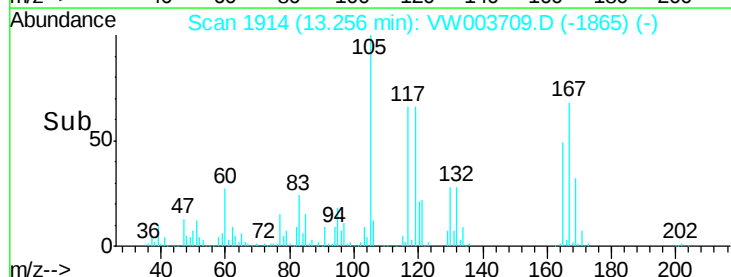
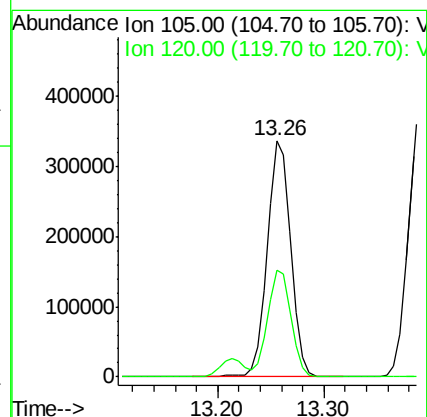
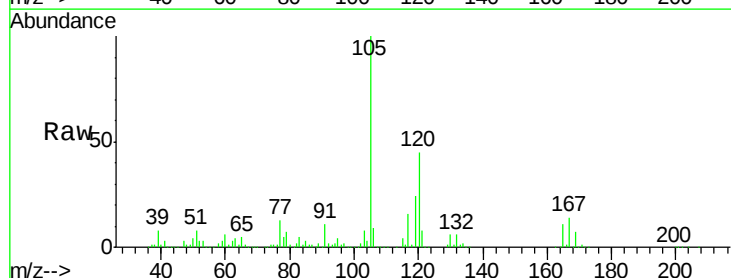
Instrument :
MSVOA_W
ClientSampleId :
GF-G-9MSD

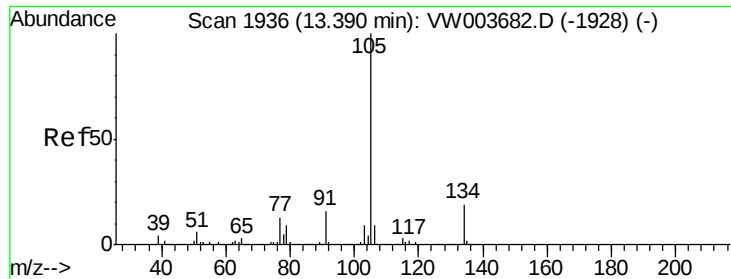
Tgt Ion:119 Resp: 428546
Ion Ratio Lower Upper
119 100
91 65.7 33.8 101.3
134 25.7 13.1 39.1



#84
1,2,4-Trimethylbenzene
Concen: 55.605 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VW003709.D
Acq: 03 Jul 2018 19:44

Tgt Ion:105 Resp: 521425
Ion Ratio Lower Upper
105 100
120 45.0 22.4 67.3

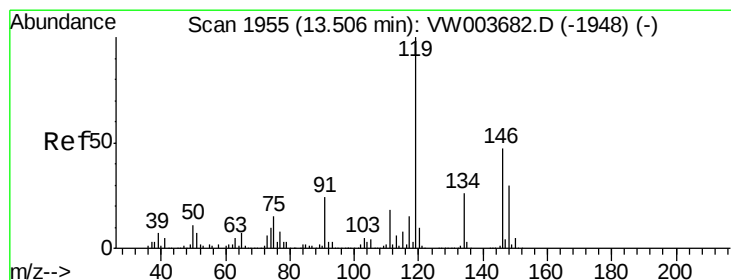
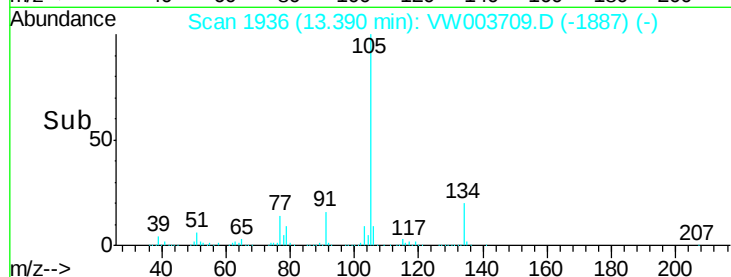
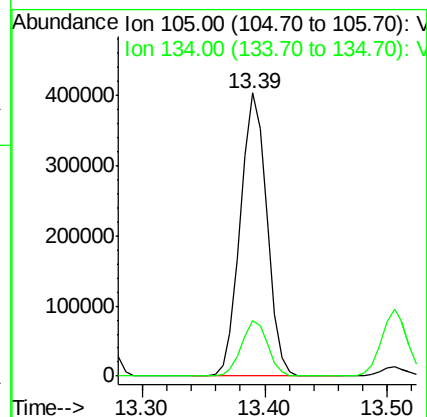
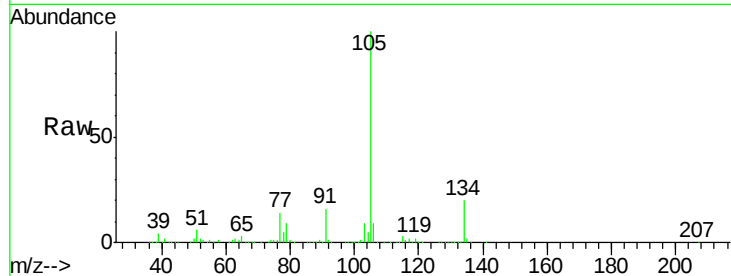




#85
 sec-Butylbenzene
 Concen: 52.726 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW003709.D
 Acq: 03 Jul 2018 19:44

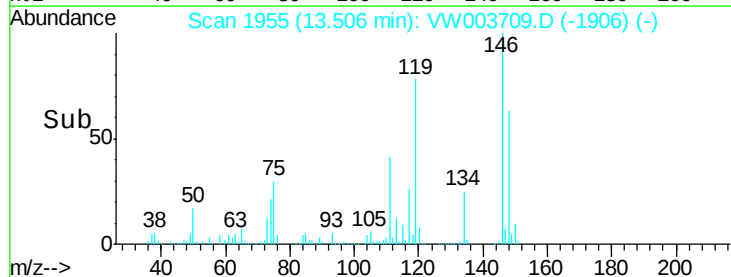
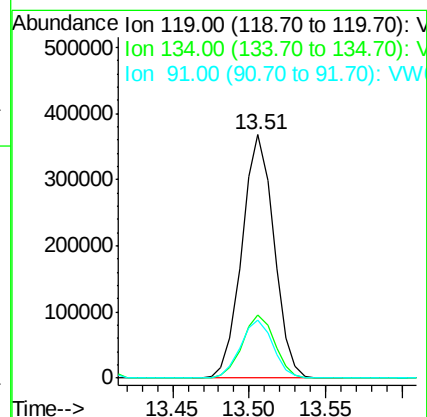
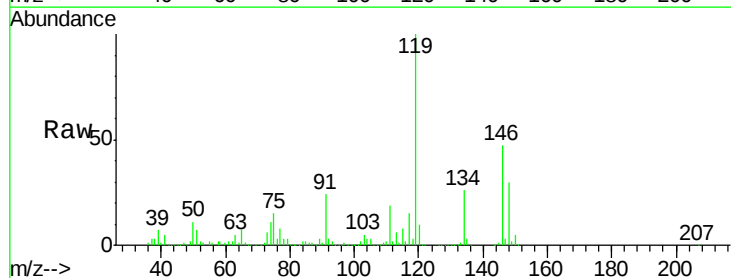
Instrument :
 MSVOA_W
 ClientSampleId :
 GF-G-9MSD

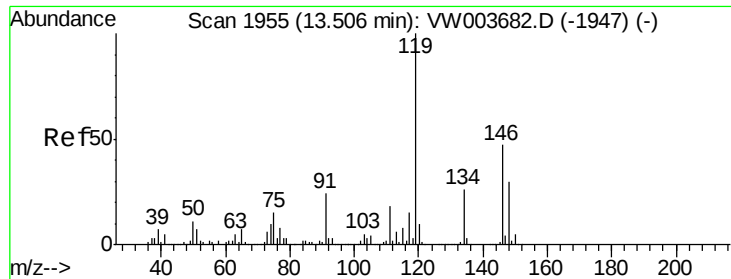
Tgt Ion:105 Resp: 602837
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 53.403 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003709.D
 Acq: 03 Jul 2018 19:44

Tgt Ion:119 Resp: 534056
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.0 38.9
 91 24.1 11.8 35.4

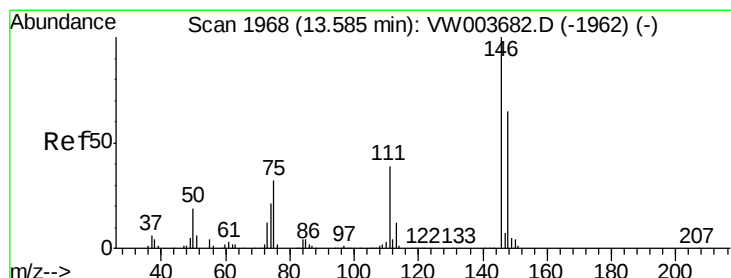
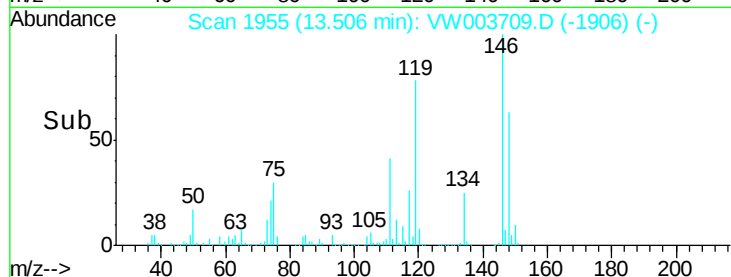
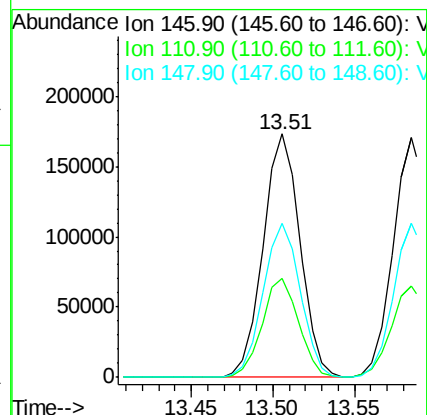
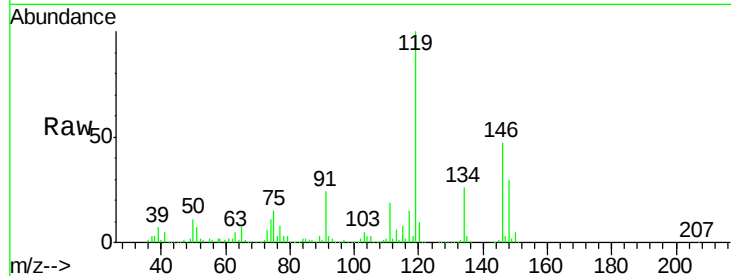




#87
 1,3-Dichlorobenzene
 Concen: 51.600 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003709.D
 Acq: 03 Jul 2018 19:44

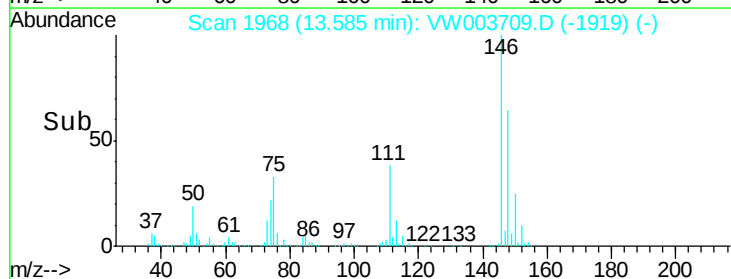
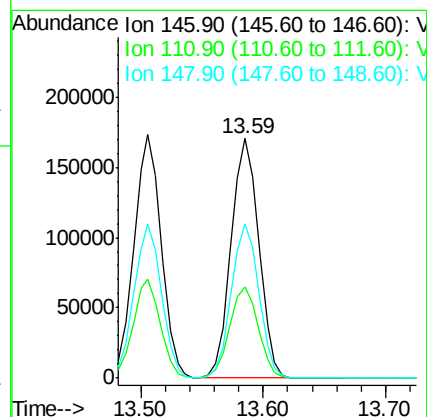
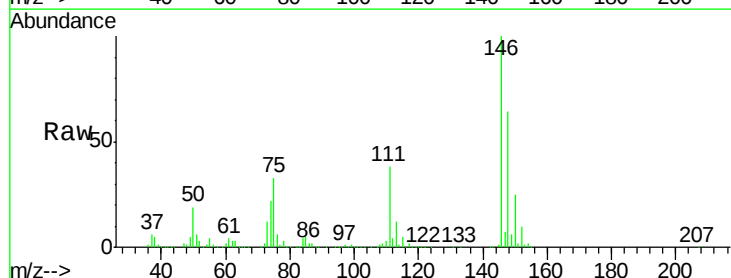
Instrument :
 MSVOA_W
 ClientSampleId :
 GF-G-9MSD

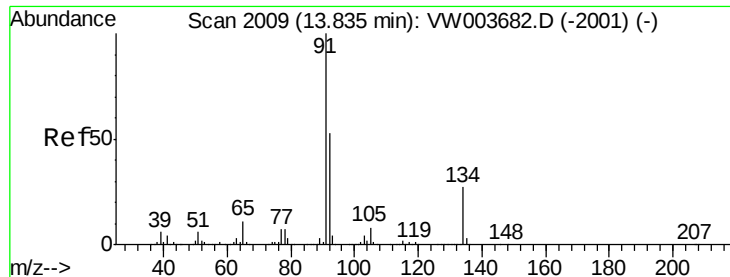
Tgt Ion:146 Resp: 270616
 Ion Ratio Lower Upper
 146 100
 111 40.5 19.9 59.7
 148 64.0 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 50.984 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003709.D
 Acq: 03 Jul 2018 19:44

Tgt Ion:146 Resp: 267191
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.3 57.9
 148 63.6 32.3 96.9

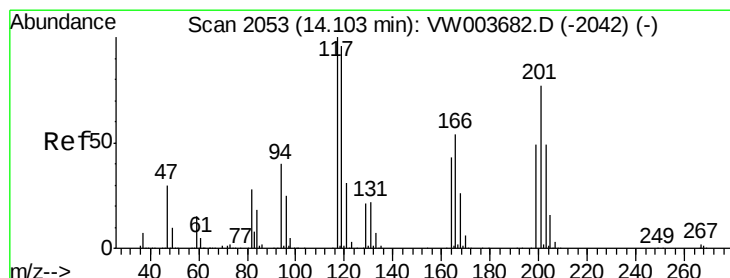
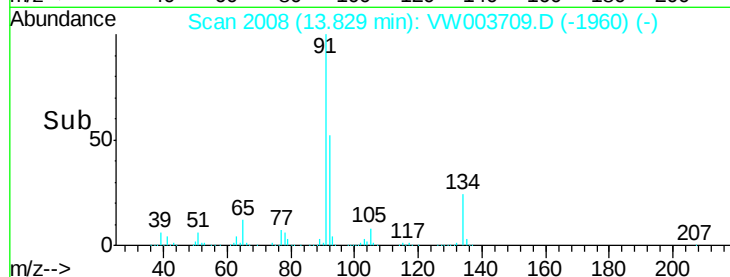
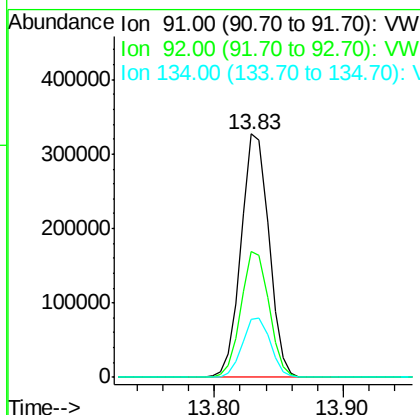
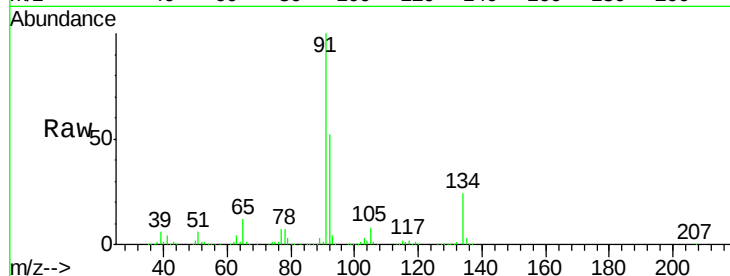




#89
n-Butylbenzene
Concen: 49.404 ug/l
RT: 13.83 min Scan# 2008
Delta R.T. -0.01 min
Lab File: VW003709.D
Acq: 03 Jul 2018 19:44

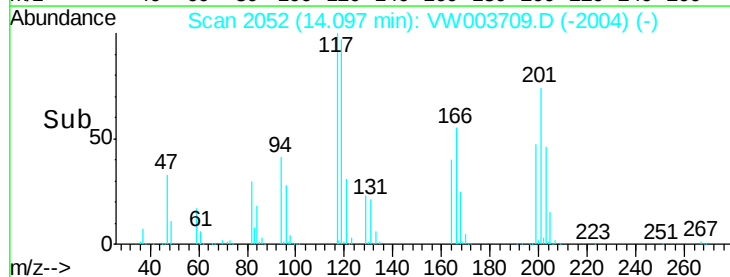
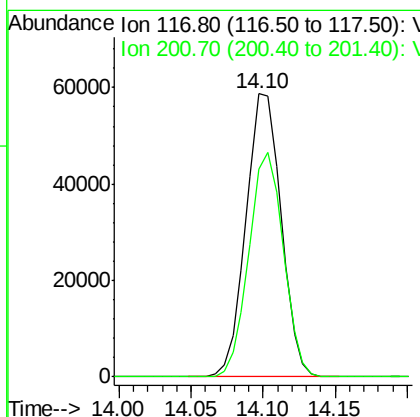
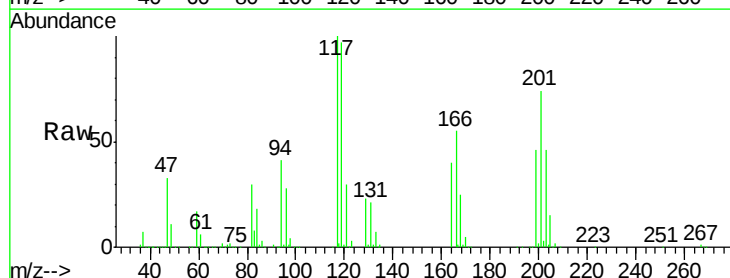
Instrument :
MSVOA_W
ClientSampleId :
GF-G-9MSD

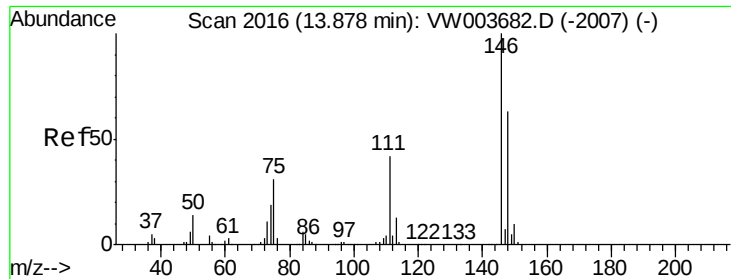
Tgt Ion: 91 Resp: 488462
Ion Ratio Lower Upper
91 100
92 51.9 26.4 79.2
134 24.7 12.7 38.1



#90
Hexachloroethane
Concen: 53.416 ug/l
RT: 14.10 min Scan# 2052
Delta R.T. -0.01 min
Lab File: VW003709.D
Acq: 03 Jul 2018 19:44

Tgt Ion: 117 Resp: 99242
Ion Ratio Lower Upper
117 100
201 77.9 39.1 117.2

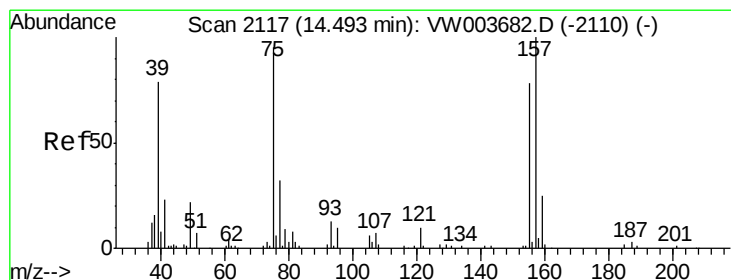
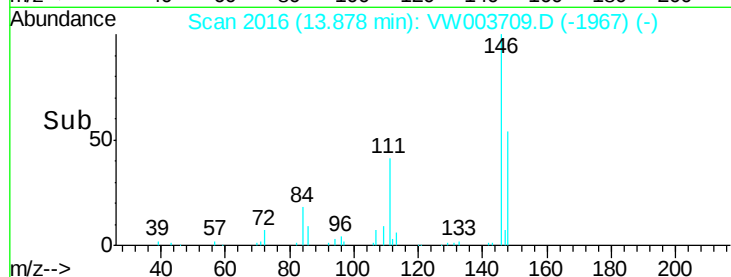
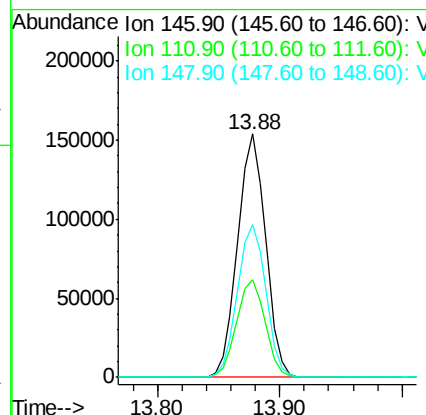
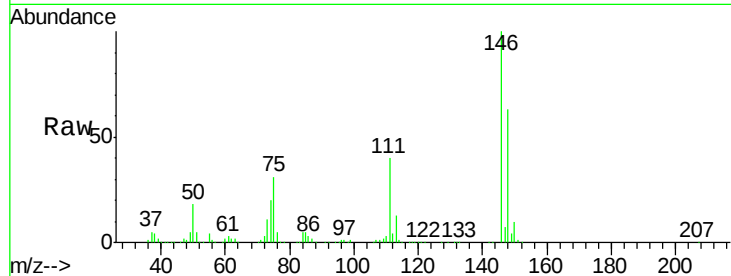




#91
 1,2-Dichlorobenzene
 Concen: 51.895 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003709.D
 Acq: 03 Jul 2018 19:44

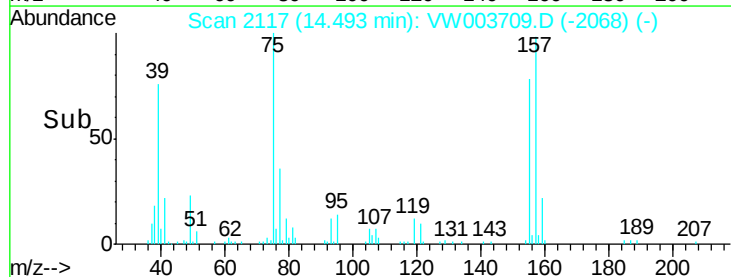
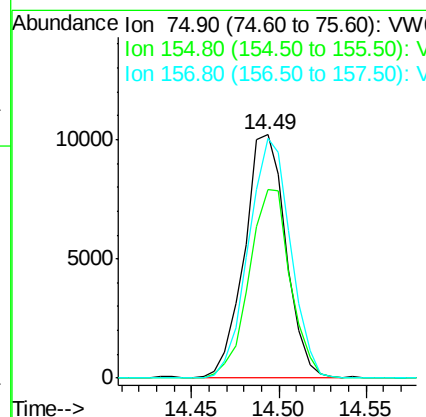
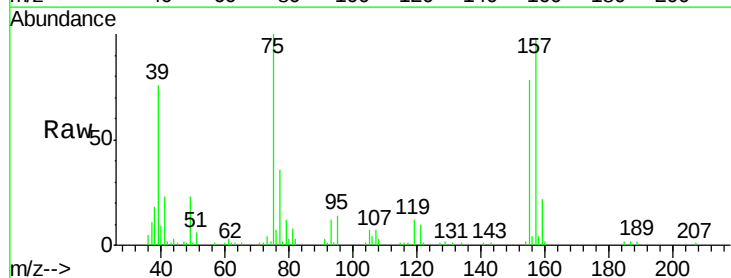
Instrument :
 MSVOA_W
 ClientSampleId :
 GF-G-9MSD

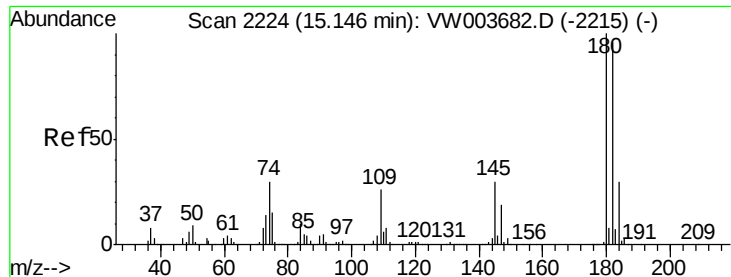
Tgt Ion:146 Resp: 243348
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.6 61.9
 148 63.8 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.120 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW003709.D
 Acq: 03 Jul 2018 19:44

Tgt Ion: 75 Resp: 16924
 Ion Ratio Lower Upper
 75 100
 155 77.1 40.2 120.6
 157 99.9 50.7 152.3

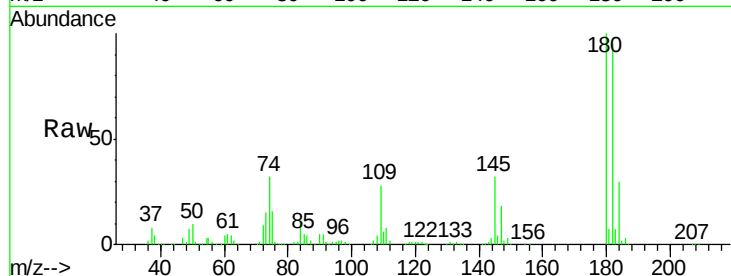




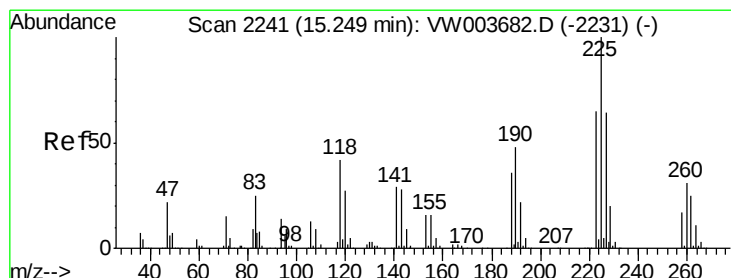
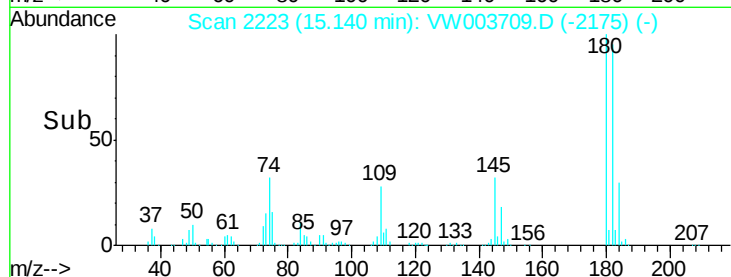
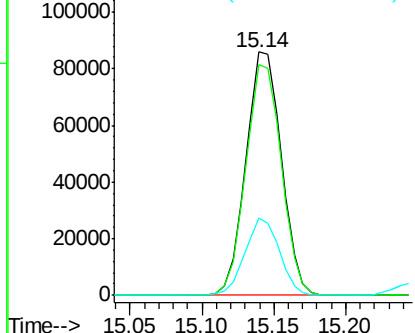
#93
 1,2,4-Trichlorobenzene
 Concen: 44.190 ug/l
 RT: 15.14 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: VW003709.D
 Acq: 03 Jul 2018 19:44

Instrument :
 MSVOA_W
 ClientSampleId :
 GF-G-9MSD

Tgt Ion:180 Resp: 146110
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.6 142.8
 145 30.8 14.9 44.5

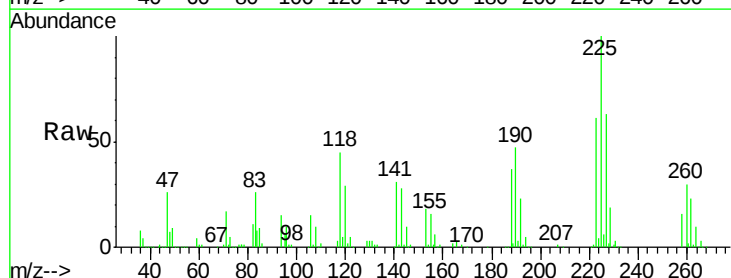


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

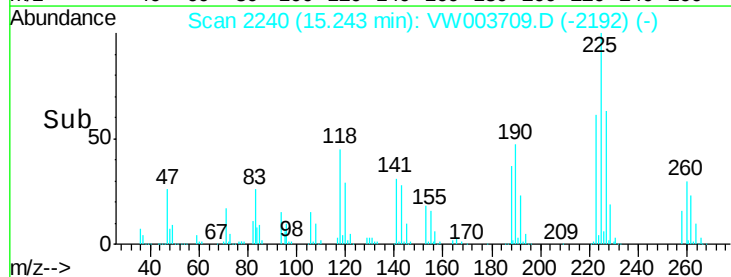
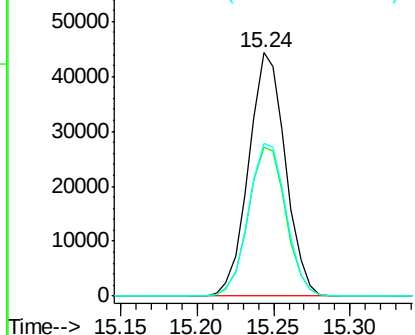


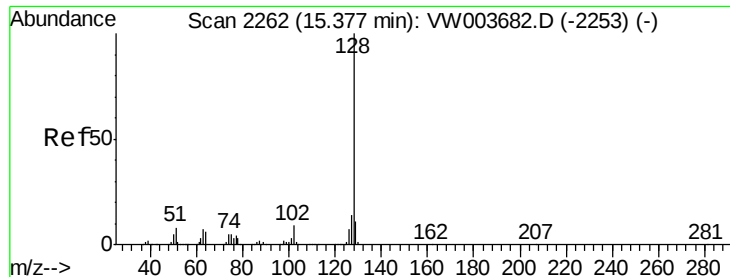
#94
 Hexachlorobutadiene
 Concen: 38.735 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: VW003709.D
 Acq: 03 Jul 2018 19:44

Tgt Ion:225 Resp: 73970
 Ion Ratio Lower Upper
 225 100
 223 62.5 32.0 96.2
 227 64.4 31.9 95.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

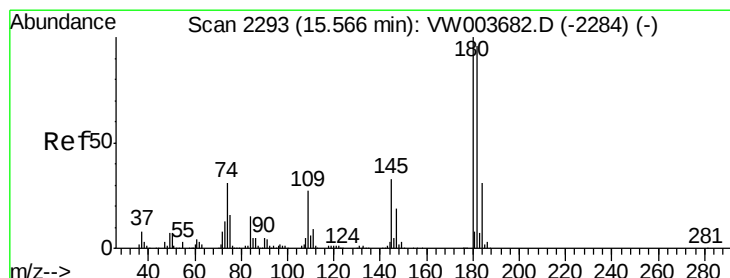
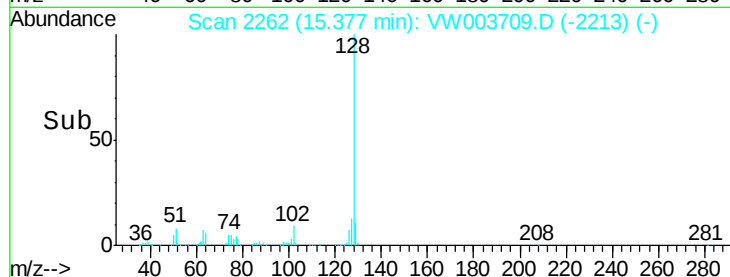
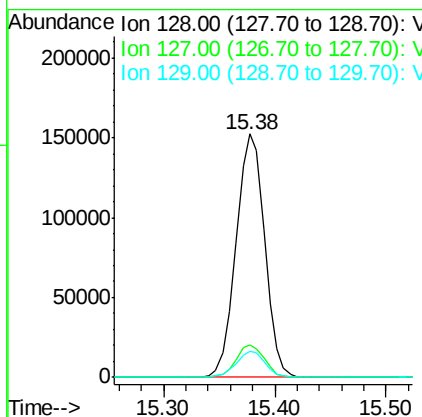
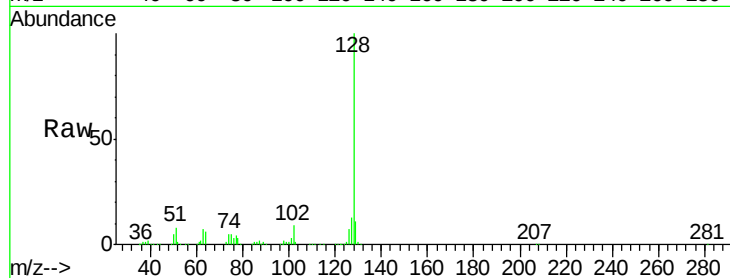




#95
Naphthalene
Concen: 44.996 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW003709.D
Acq: 03 Jul 2018 19:44

Instrument :
MSVOA_W
ClientSampleId :
GF-G-9MSD

Tgt Ion:128 Resp: 269828
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 45.104 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW003709.D
Acq: 03 Jul 2018 19:44

Tgt Ion:180 Resp: 132846
Ion Ratio Lower Upper
180 100
182 94.2 47.8 143.3
145 31.2 15.9 47.7

