

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070318\
 Data File : VW003691.D
 Acq On : 03 Jul 2018 11:55
 Operator : SY/AP
 Sample : VW0703SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0703SBS01

Quant Time: Jul 03 13:20:15 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	248848	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	387259	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	361426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	190485	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	153809	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
35) Dibromofluoromethane	7.88	113	135121	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	
50) Toluene-d8	10.33	98	541951	54.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.32%	
62) 4-Bromofluorobenzene	12.62	95	192986	54.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	22528	19.95	ug/l	96
3) Chloromethane	2.20	50	36716	18.52	ug/l	96
4) Vinyl Chloride	2.36	62	48813	18.05	ug/l	98
5) Bromomethane	2.78	94	32807	18.50	ug/l	97
6) Chloroethane	2.92	64	30900	18.99	ug/l	98
7) Trichlorofluoromethane	3.25	101	24845	17.28	ug/l	98
8) Diethyl Ether	3.67	74	23457	17.63	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	46190	19.33	ug/l	98
10) Methyl Iodide	4.26	142	63682	18.15	ug/l	99
11) Tert butyl alcohol	5.23	59	16649	89.68	ug/l	100
12) 1,1-Dichloroethene	4.03	96	42164	17.70	ug/l	97
13) Acrolein	3.90	56	10005	111.07	ug/l	91
14) Allyl chloride	4.66	41	73206	17.97	ug/l	99
15) Acrylonitrile	5.37	53	54821	88.82	ug/l	99
16) Acetone	4.14	43	62142	87.75	ug/l	100
17) Carbon Disulfide	4.37	76	119648	16.73	ug/l	99
18) Methyl Acetate	4.67	43	27045	18.05	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	86156	18.52	ug/l	99
20) Methylene Chloride	4.91	84	55006	18.15	ug/l	99
21) trans-1,2-Dichloroethene	5.41	96	47705	18.29	ug/l	98
22) Diisopropyl ether	6.31	45	155990	18.67	ug/l	98
23) Vinyl Acetate	6.26	43	461498	90.83	ug/l	99
24) 1,1-Dichloroethane	6.21	63	93500	18.77	ug/l	98
25) 2-Butanone	7.18	43	79611	87.79	ug/l	97
26) 2,2-Dichloropropane	7.17	77	58326	19.10	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	51736	18.21	ug/l	98
28) Bromochloromethane	7.51	49	44185	20.18	ug/l	99
29) Tetrahydrofuran	7.54	42	47862	88.05	ug/l	99
30) Chloroform	7.68	83	94463	18.75	ug/l	99
31) Cyclohexane	7.95	56	79864	17.61	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	74867	19.09	ug/l	98
36) 1,1-Dichloropropene	8.08	75	73550	18.92	ug/l	99
37) Ethyl Acetate	7.26	43	34985	18.49	ug/l	98
38) Carbon Tetrachloride	8.07	117	71963	19.46	ug/l	97

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Instrument :
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Quant Time: Jul 03 13:20:15 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)
39) Methylcyclohexane	9.34	83	80778	18.04	ug/l	99
40) Benzene	8.32	78	206379	18.89	ug/l	100
41) Methacrylonitrile	7.49	41	18368	17.08	ug/l	95
42) 1,2-Dichloroethane	8.40	62	64947	18.88	ug/l	98
43) Isopropyl Acetate	8.43	43	64088	17.98	ug/l	100
44) Trichloroethene	9.09	130	53022	18.77	ug/l	99
45) 1,2-Dichloropropane	9.37	63	53476	18.87	ug/l	98
46) Dibromomethane	9.46	93	27278	18.53	ug/l	99
47) Bromodichloromethane	9.65	83	68930	18.94	ug/l	99
48) Methyl methacrylate	9.44	41	29990	18.22	ug/l	99
49) 1,4-Dioxane	9.48	88	8626	373.56	ug/l #	98
51) 4-Methyl-2-Pentanone	10.22	43	170675	90.89	ug/l	100
52) Toluene	10.39	92	132313	19.40	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	69388	18.38	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	79331	18.54	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	39200	18.90	ug/l	95
56) Ethyl methacrylate	10.65	69	46853	18.36	ug/l	99
57) 1,3-Dichloropropane	10.94	76	69234	19.22	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	106122	95.74	ug/l	100
59) 2-Hexanone	10.98	43	125161	93.24	ug/l	97
60) Dibromochloromethane	11.13	129	45034	18.58	ug/l	100
61) 1,2-Dibromoethane	11.24	107	36107	18.18	ug/l	98
64) Tetrachloroethene	10.87	164	45918	18.80	ug/l	98
65) Chlorobenzene	11.66	112	145407	19.14	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	51559	19.42	ug/l	99
67) Ethyl Benzene	11.74	91	253695	19.06	ug/l	100
68) m/p-Xylenes	11.85	106	193090	38.14	ug/l	98
69) o-Xylene	12.17	106	88652	18.94	ug/l	100
70) Styrene	12.19	104	150945	19.20	ug/l	99
71) Bromoform	12.35	173	26687	18.09	ug/l #	100
73) Isopropylbenzene	12.47	105	250970	19.37	ug/l	99
74) N-amyl acetate	12.28	43	61770	18.05	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	47197	18.62	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	62991	36.78	ug/l #	100
77) Bromobenzene	12.75	156	60097	19.33	ug/l	99
78) n-propylbenzene	12.81	91	315788	19.73	ug/l	99
79) 2-Chlorotoluene	12.90	91	175370	19.25	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	216459	19.75	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	14273	17.66	ug/l	97
82) 4-Chlorotoluene	12.99	91	187903	19.43	ug/l	99
83) tert-Butylbenzene	13.21	119	180443	19.52	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	224374	19.88	ug/l	99
85) sec-Butylbenzene	13.39	105	270006	19.62	ug/l	99
86) p-Isopropyltoluene	13.51	119	239892	19.93	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	123710	19.60	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	123130	19.52	ug/l	99
89) n-Butylbenzene	13.84	91	237107	19.93	ug/l	98
90) Hexachloroethane	14.10	117	43761	19.57	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	109884	19.47	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8024	18.17	ug/l	95

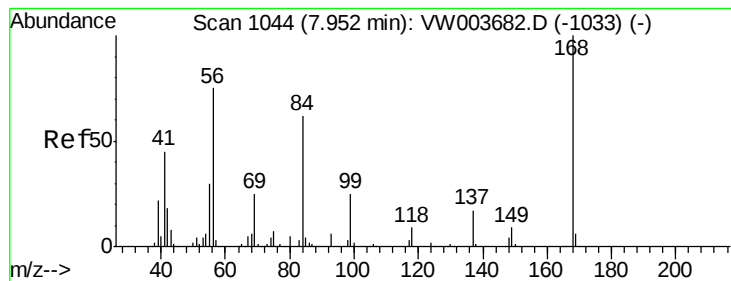
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW070318\
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Quant Title : SW846 8260
QLast Update : Tue Jul 03 08:55:34 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	77472	19.47	ug/l	100
94) Hexachlorobutadiene	15.25	225	45961	20.00	ug/l	99
95) Naphthalene	15.38	128	131897	18.28	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	68115	19.22	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

Instrument :

MSVOA_W

ClientSampleId :

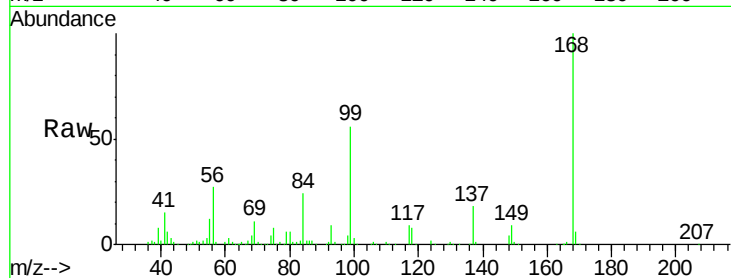
VW0703SBS01

Tot Ion:168 Resp: 248848

Ion Ratio Lower Upper

168 100

99 55.5 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

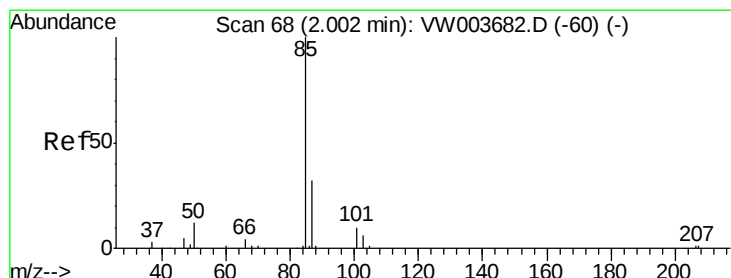
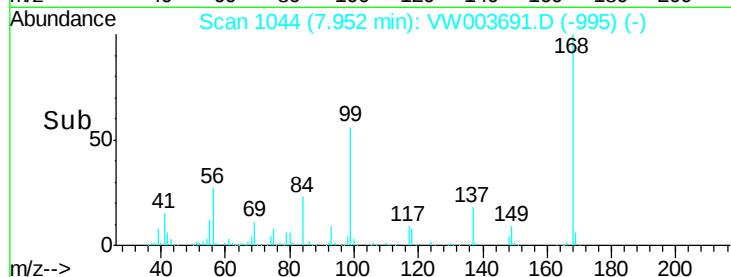
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 19.95 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW003691.D

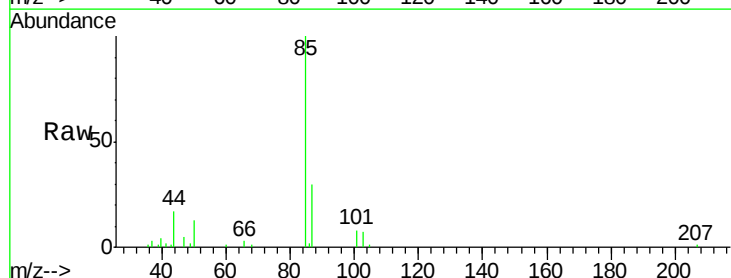
Acq: 03 Jul 2018 11:55

Tgt Ion: 85 Resp: 22528

Ion Ratio Lower Upper

85 100

87 29.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

8000

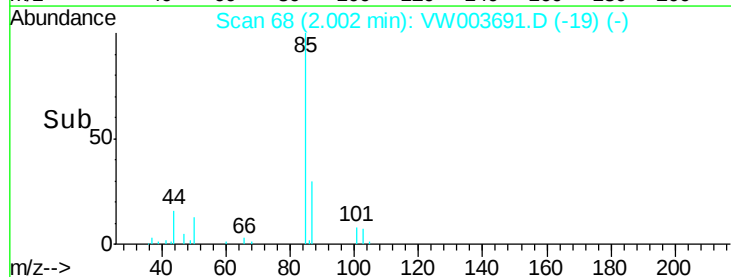
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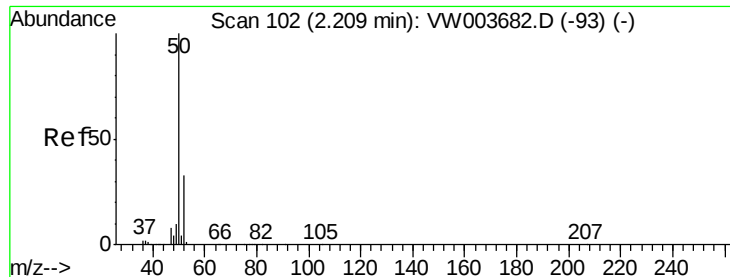
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 18.52 ug/l

RT: 2.20 min Scan# 101

Delta R.T. -0.01 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

Instrument :

MSVOA_W

ClientSampleId :

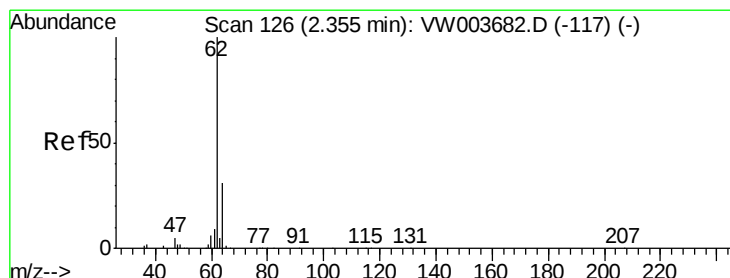
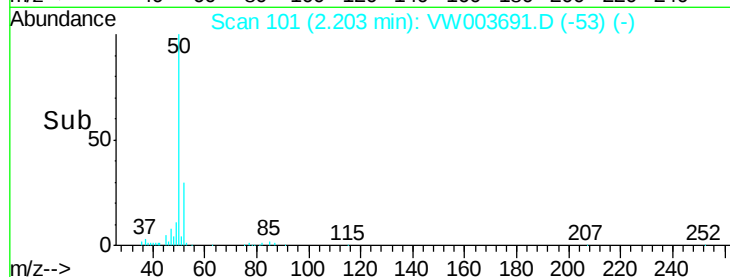
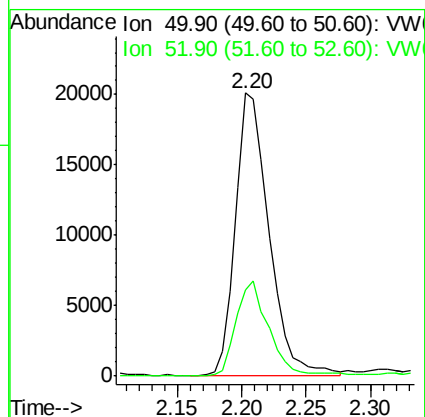
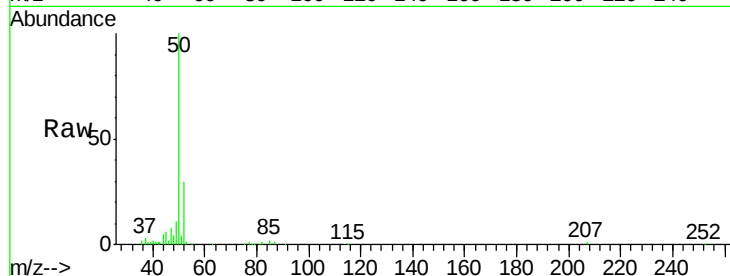
VW0703SBSD01

Tot Ion: 50 Resp: 36716

Ion Ratio Lower Upper

50 100

52 30.3 26.1 39.1



#4

Vinyl Chloride

Concen: 18.05 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003691.D

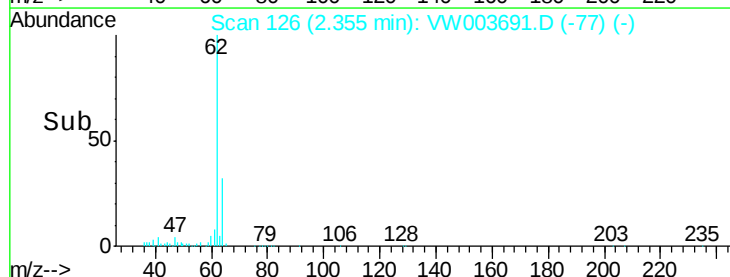
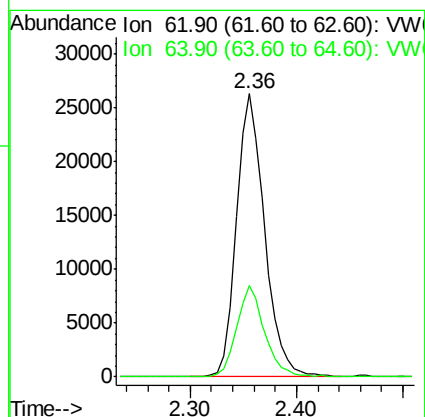
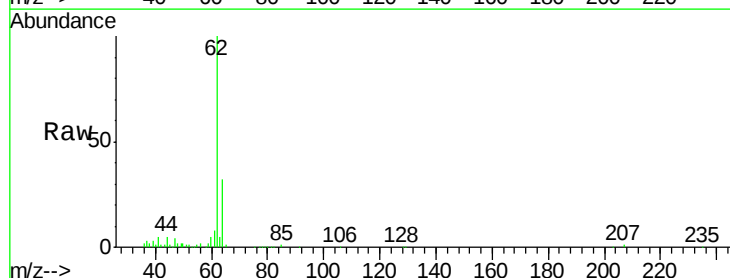
Acq: 03 Jul 2018 11:55

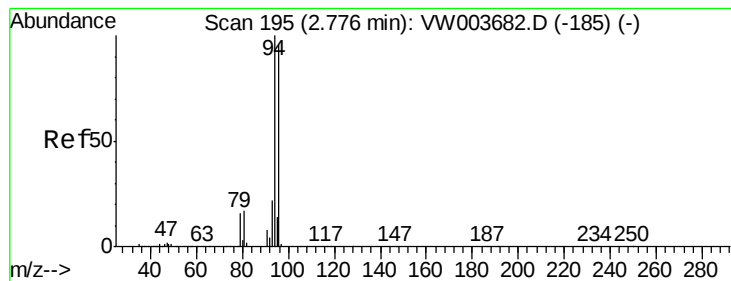
Tgt Ion: 62 Resp: 48813

Ion Ratio Lower Upper

62 100

64 32.4 25.1 37.7





#5

Bromomethane

Concen: 18.50 ug/l

RT: 2.78 min Scan# 195

Delta R.T. 0.00 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

Instrument :

MSVOA_W

ClientSampleId :

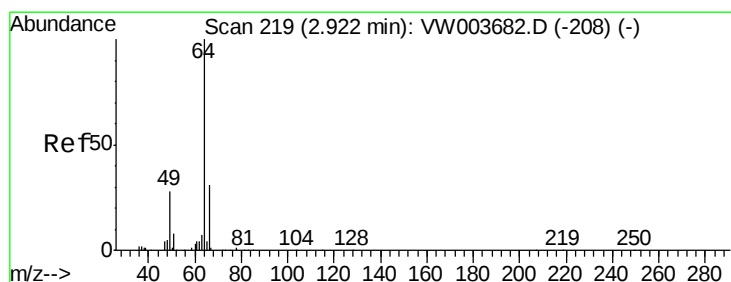
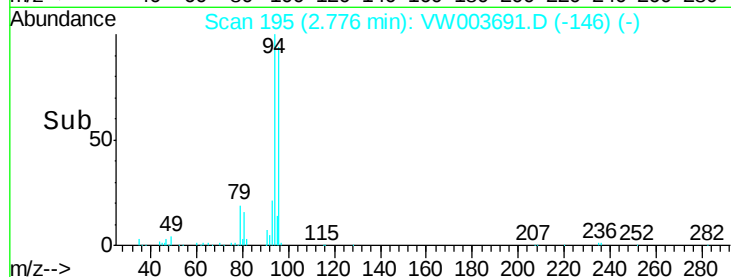
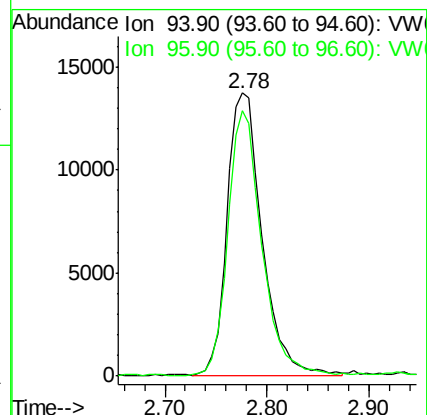
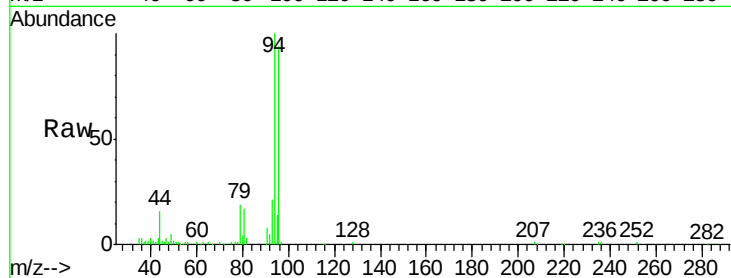
VW0703SBSD01

Tot Ion: 94 Resp: 32807

Ion Ratio Lower Upper

94 100

96 93.2 76.6 115.0



#6

Chloroethane

Concen: 18.99 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW003691.D

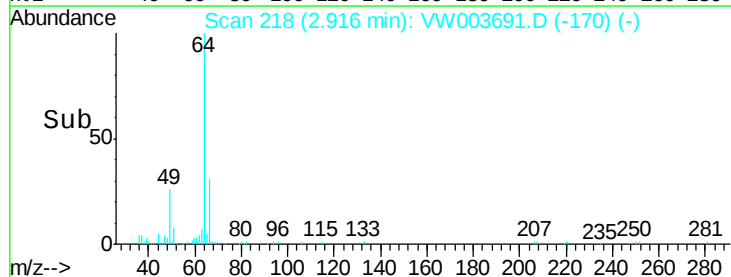
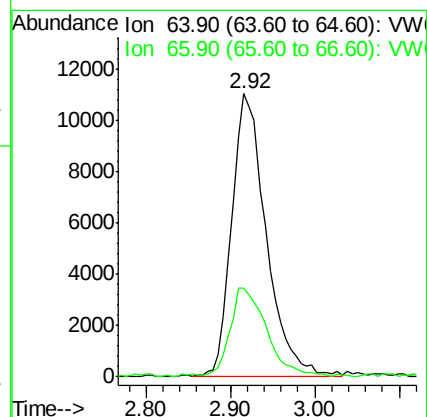
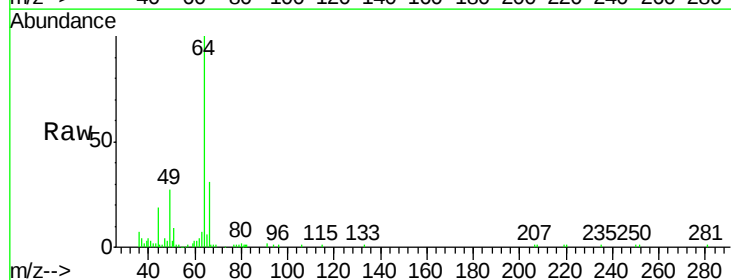
Acq: 03 Jul 2018 11:55

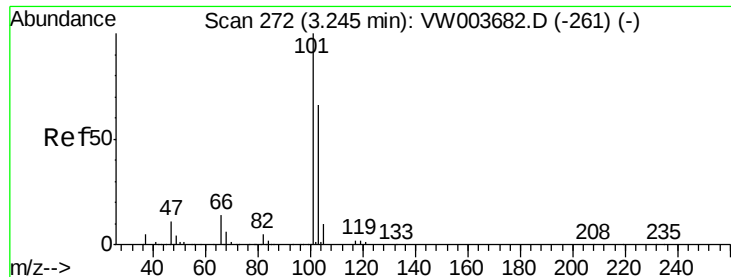
Tgt Ion: 64 Resp: 30900

Ion Ratio Lower Upper

64 100

66 30.4 25.0 37.6





#7

Trichlorofluoromethane

Concen: 17.28 ug/l

RT: 3.25 min Scan# 272

Delta R.T. 0.00 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

Instrument :

MSVOA_W

ClientSampleId :

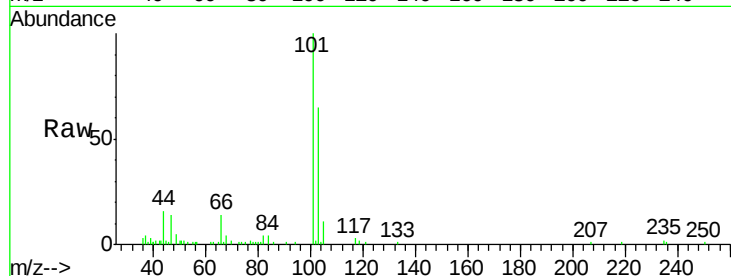
VW0703SBS01

Tot Ion:101 Resp: 24845

Ion Ratio Lower Upper

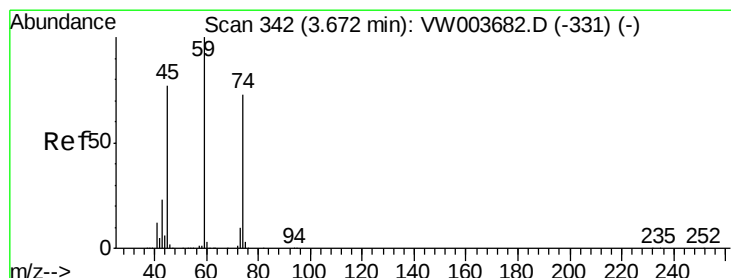
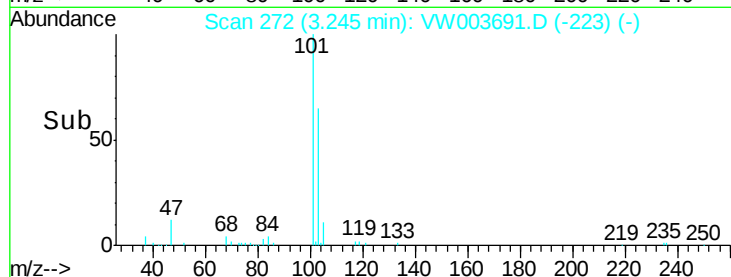
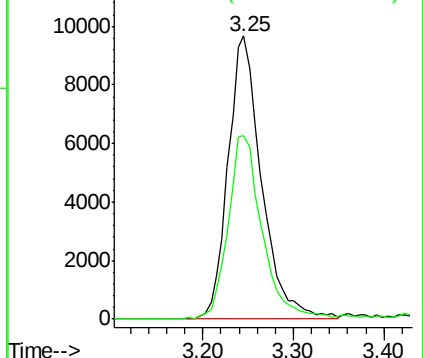
101 100

103 64.1 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: 17.63 ug/l

RT: 3.67 min Scan# 342

Delta R.T. 0.00 min

Lab File: VW003691.D

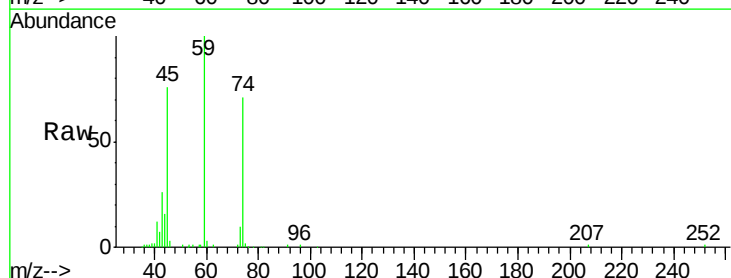
Acq: 03 Jul 2018 11:55

Tgt Ion: 74 Resp: 23457

Ion Ratio Lower Upper

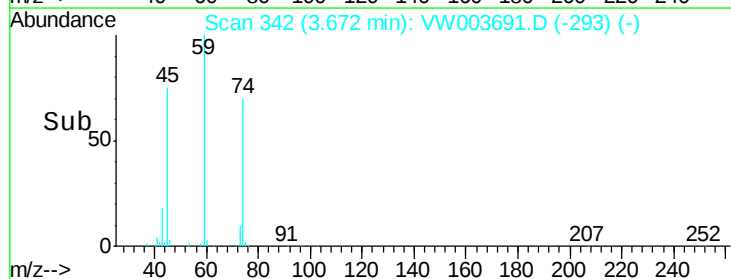
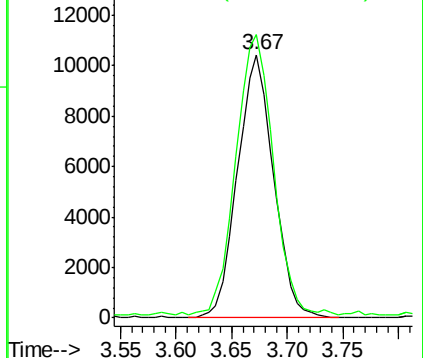
74 100

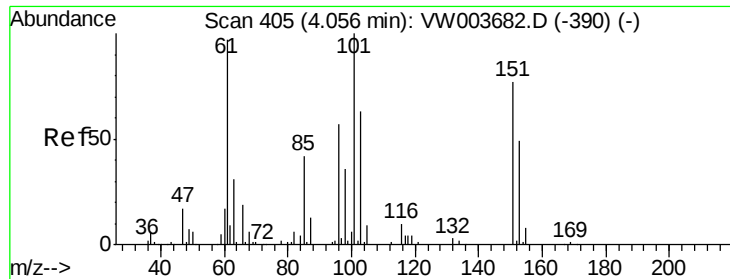
45 110.9 53.5 160.5



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: 19.33 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

Instrument :

MSVOA_W

ClientSampleId :

VW0703SBSD01

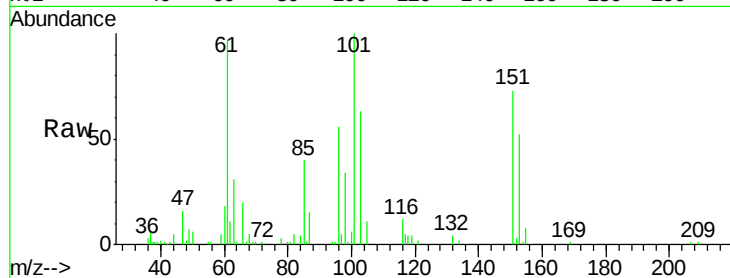
Tot Ion:101 Resp: 46190

Ion Ratio Lower Upper

101 100

85 44.0 36.6 55.0

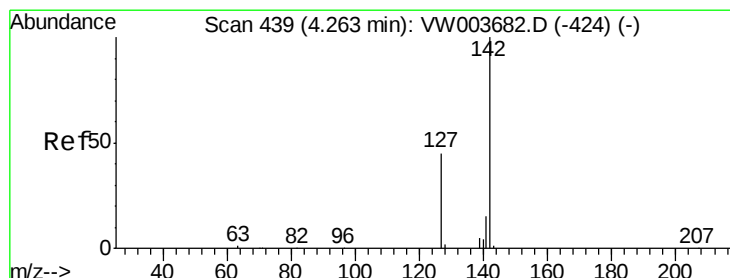
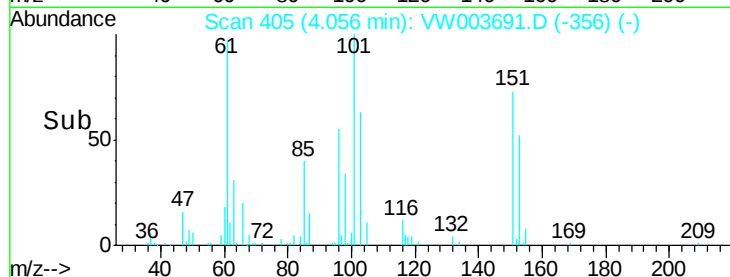
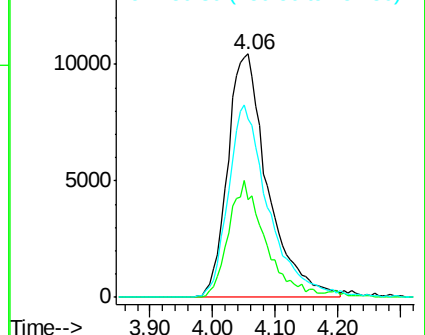
151 79.8 62.4 93.6



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: 18.15 ug/l

RT: 4.26 min Scan# 438

Delta R.T. -0.01 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

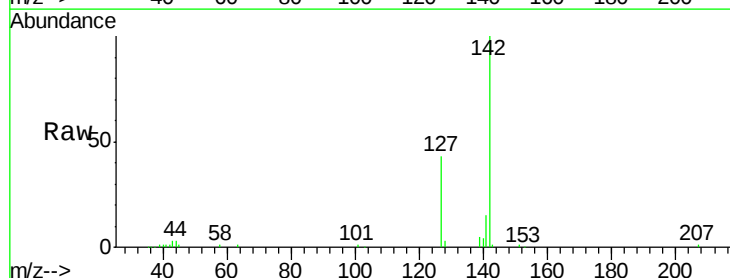
Tgt Ion:142 Resp: 63682

Ion Ratio Lower Upper

142 100

127 44.4 36.0 54.0

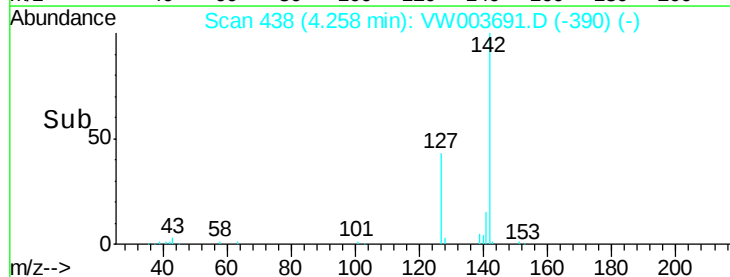
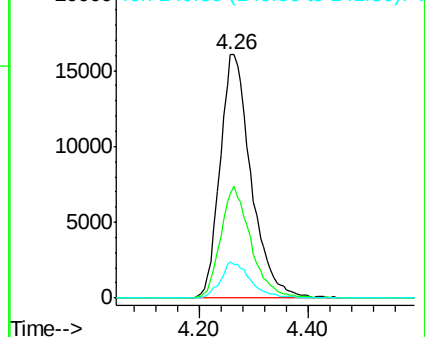
141 14.3 11.9 17.9

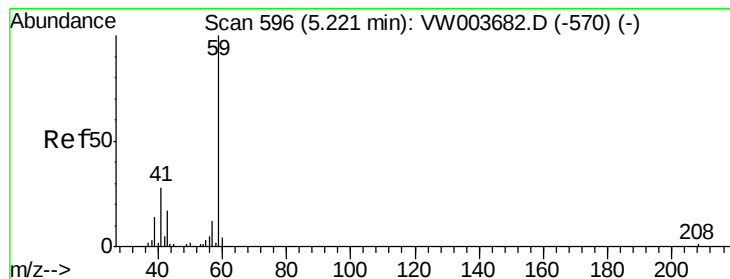


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



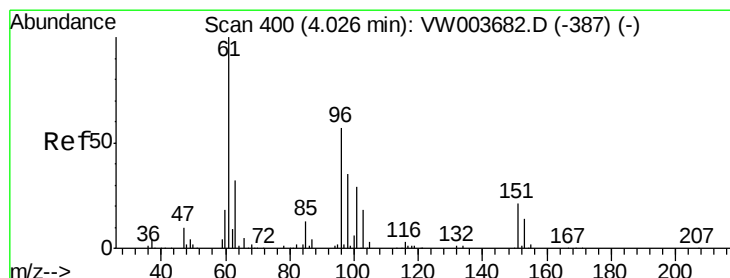
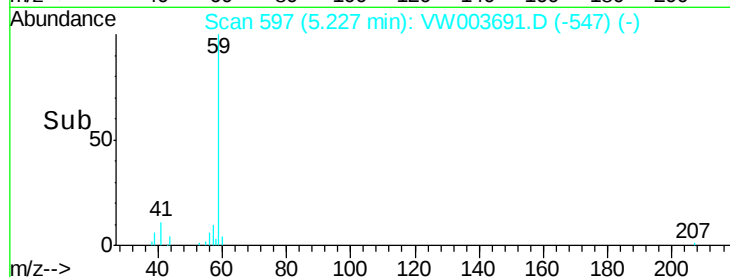
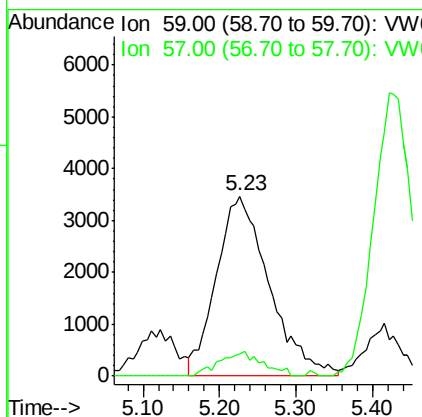
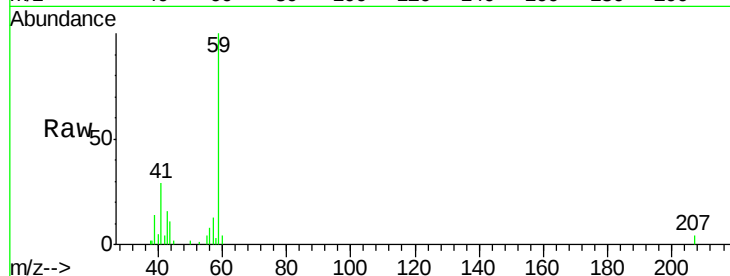


#11

Tert butyl alcohol
 Concen: 89.68 ug/l
 RT: 5.23 min Scan# 597
 Delta R.T. 0.01 min
 Lab File: VW003691.D
 Acq: 03 Jul 2018 11:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0703SBS01

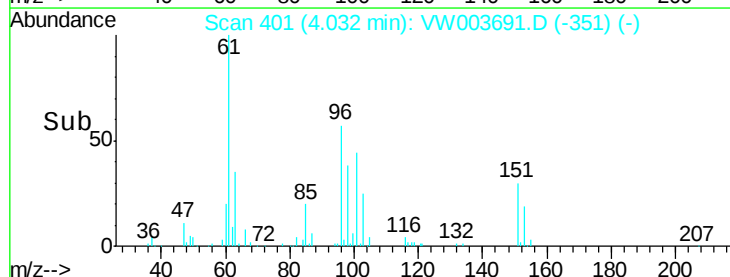
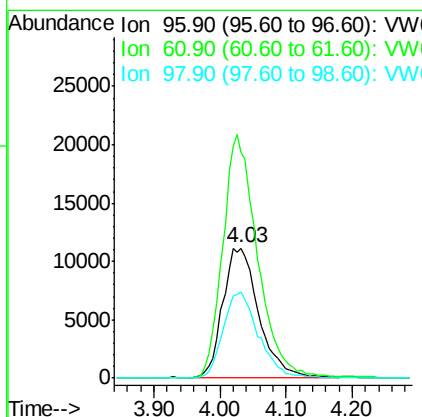
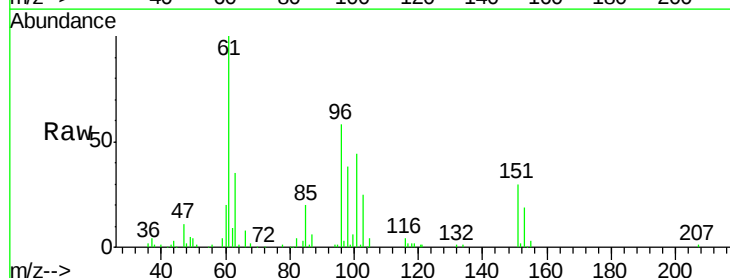
Tot Ion: 59 Resp: 16649
 Ion Ratio Lower Upper
 59 100
 57 11.2 9.0 13.4

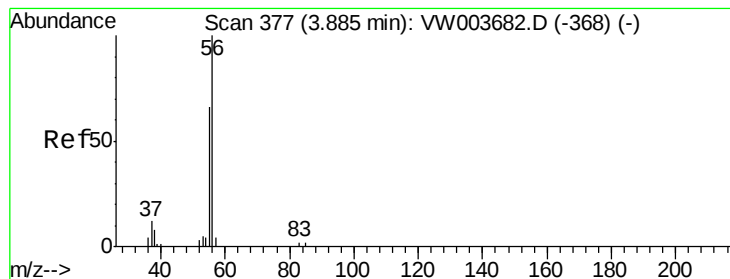


#12

1,1-Dichloroethene
 Concen: 17.70 ug/l
 RT: 4.03 min Scan# 401
 Delta R.T. 0.01 min
 Lab File: VW003691.D
 Acq: 03 Jul 2018 11:55

Tgt Ion: 96 Resp: 42164
 Ion Ratio Lower Upper
 96 100
 61 173.3 140.6 211.0
 98 66.5 49.4 74.0





#13

Acrolein

Concen: 111.07 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

Instrument :

MSVOA_W

ClientSampleId :

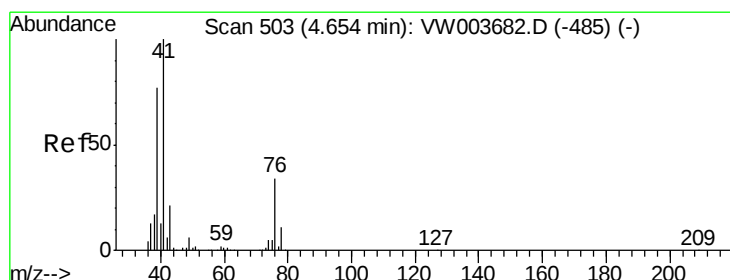
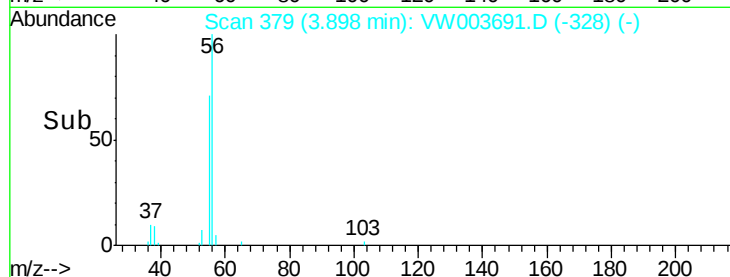
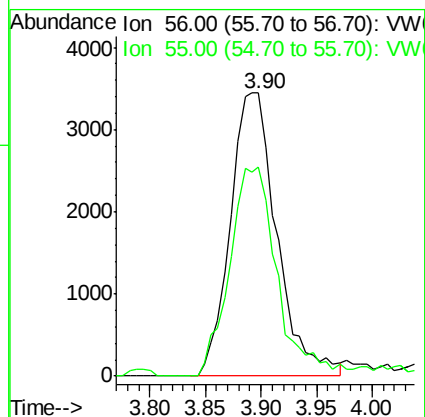
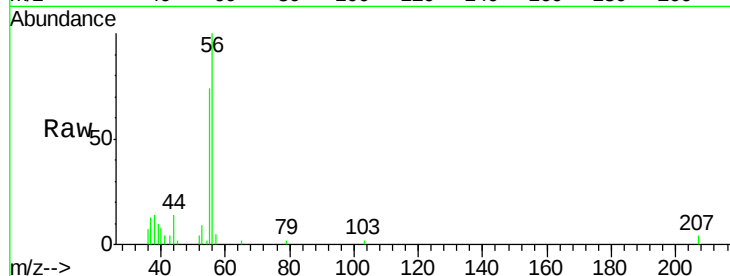
VW0703SBSD01

Tot Ion: 56 Resp: 10005

Ion Ratio Lower Upper

56 100

55 75.7 54.7 82.1



#14

Allyl chloride

Concen: 17.97 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.01 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

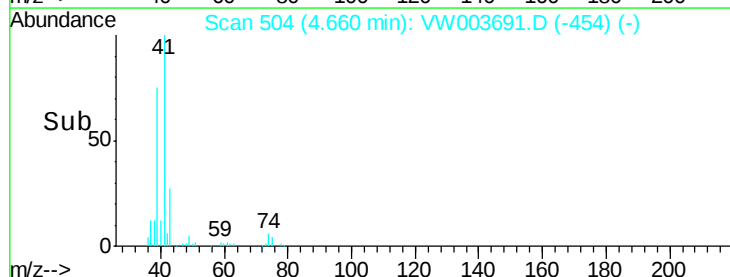
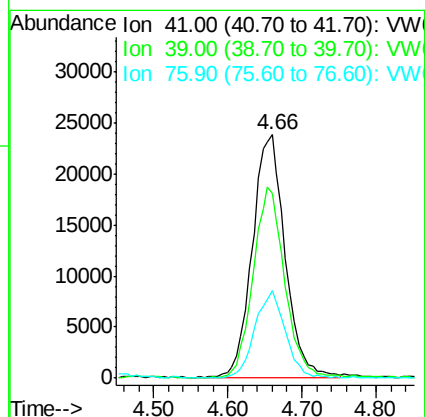
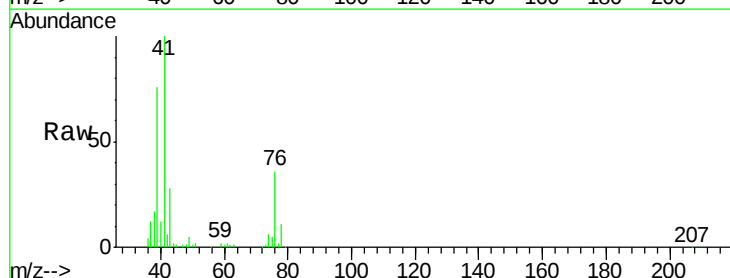
Tgt Ion: 41 Resp: 73206

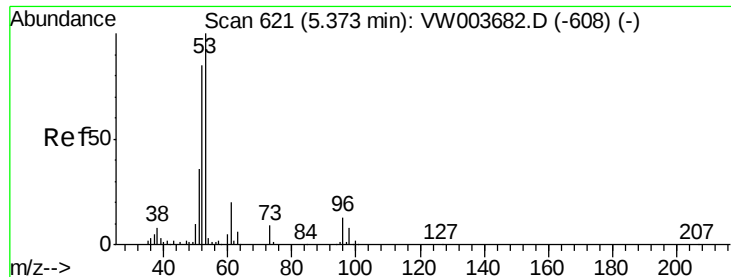
Ion Ratio Lower Upper

41 100

39 75.6 60.1 90.1

76 33.6 27.2 40.8

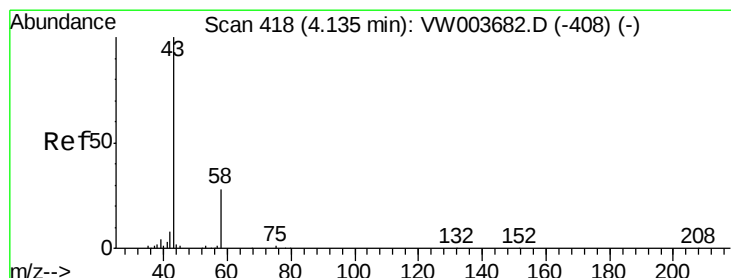
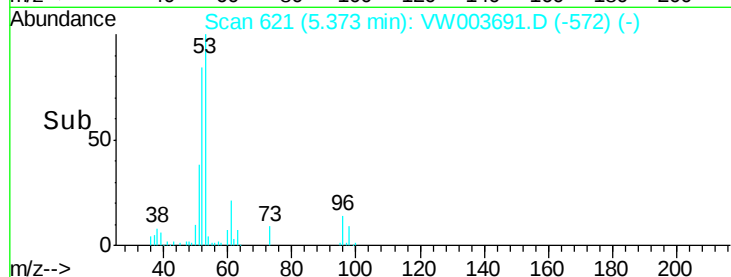
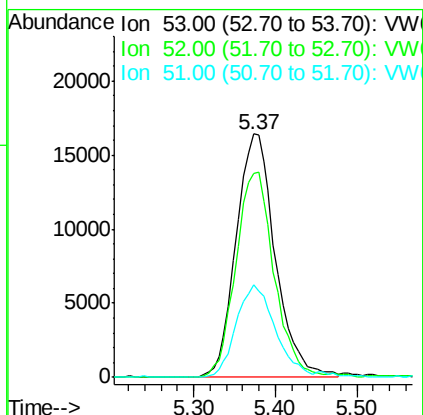
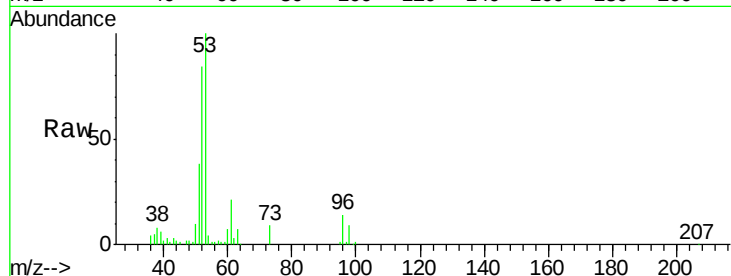




#15
 Acrylonitrile
 Concen: 88.82 ug/l
 RT: 5.37 min Scan# 621
 Delta R.T. 0.00 min
 Lab File: VW003691.D
 Acq: 03 Jul 2018 11:55

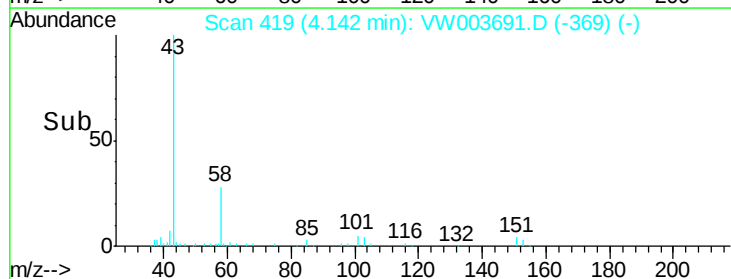
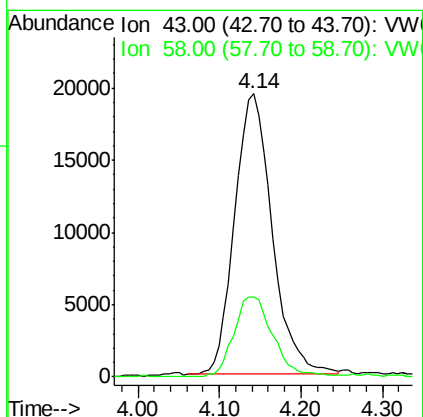
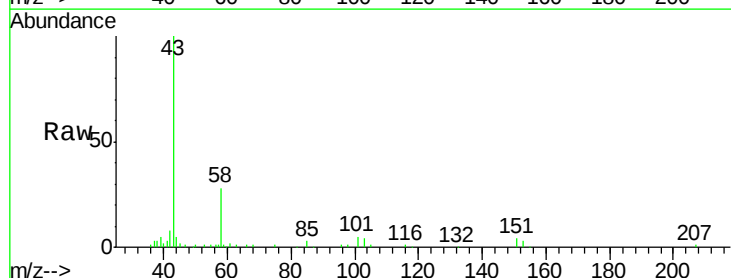
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0703SBS01

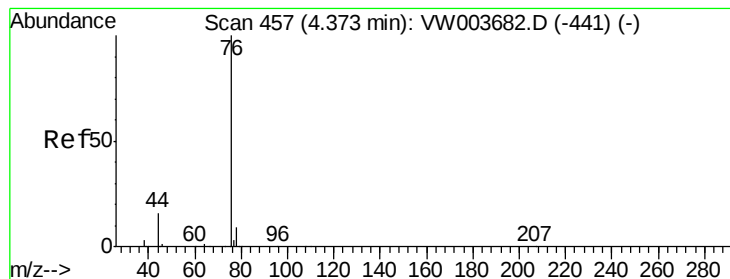
Tot Ion: 53 Resp: 54821
 Ion Ratio Lower Upper
 53 100
 52 82.2 66.8 100.2
 51 37.6 30.2 45.4



#16
 Acetone
 Concen: 87.75 ug/l
 RT: 4.14 min Scan# 419
 Delta R.T. 0.01 min
 Lab File: VW003691.D
 Acq: 03 Jul 2018 11:55

Tgt Ion: 43 Resp: 62142
 Ion Ratio Lower Upper
 43 100
 58 28.5 22.7 34.1





#17

Carbon Disulfide

Concen: 16.73 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.01 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

Instrument :

MSVOA_W

ClientSampleId :

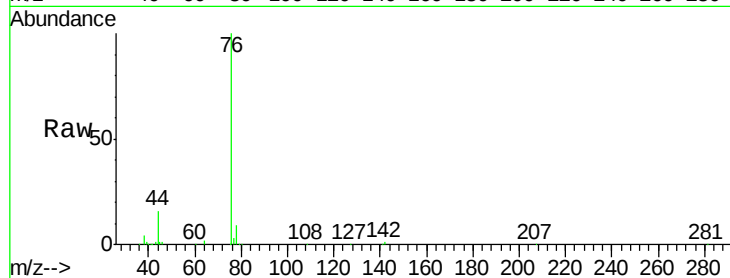
VW0703SBSD01

Tot Ion: 76 Resp: 119648

Ion Ratio Lower Upper

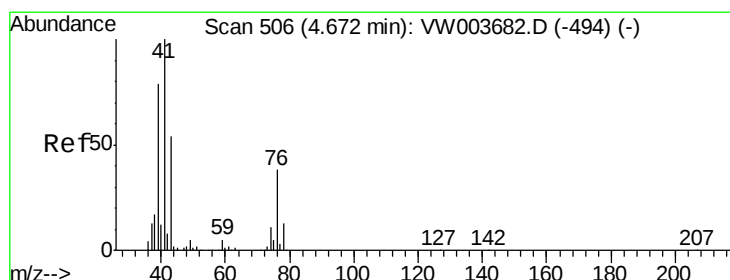
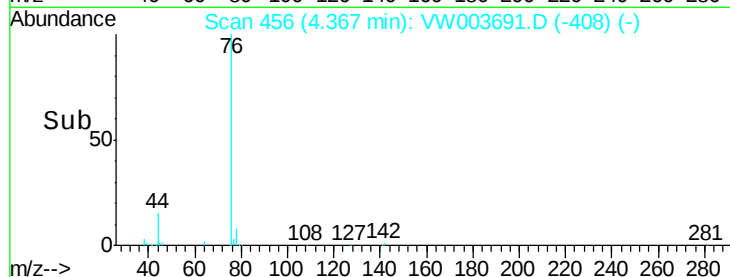
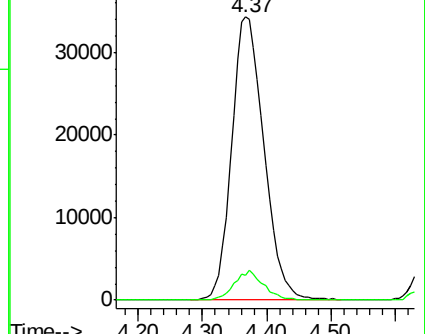
76 100

78 8.9 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 18.05 ug/l

RT: 4.67 min Scan# 506

Delta R.T. 0.00 min

Lab File: VW003691.D

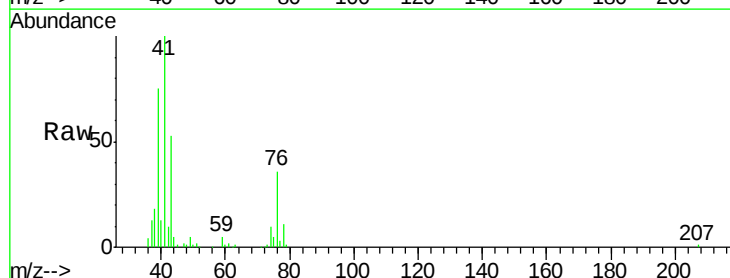
Acq: 03 Jul 2018 11:55

Tgt Ion: 43 Resp: 27045

Ion Ratio Lower Upper

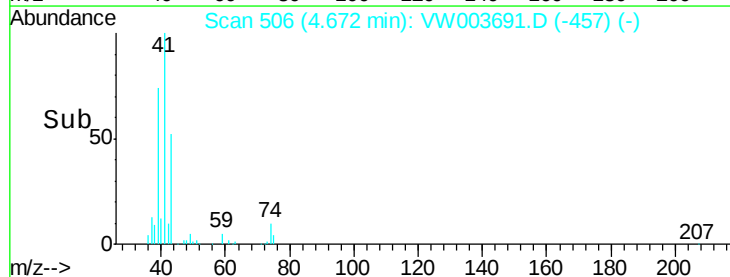
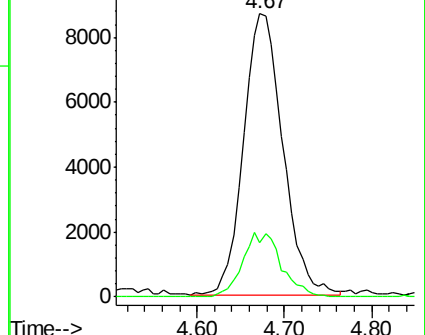
43 100

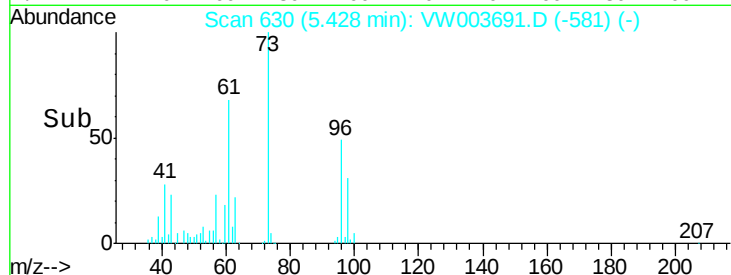
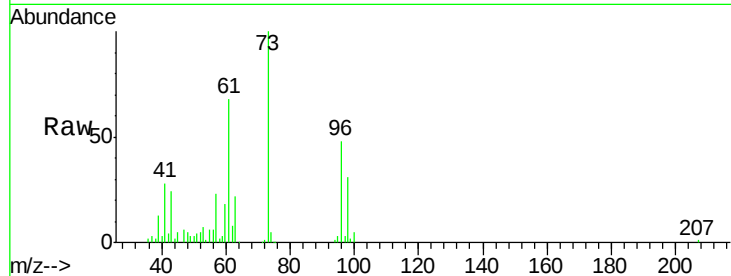
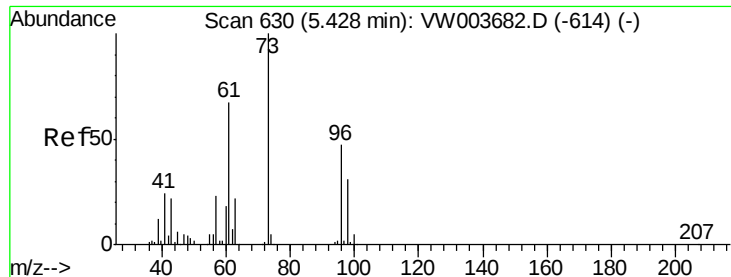
74 22.6 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

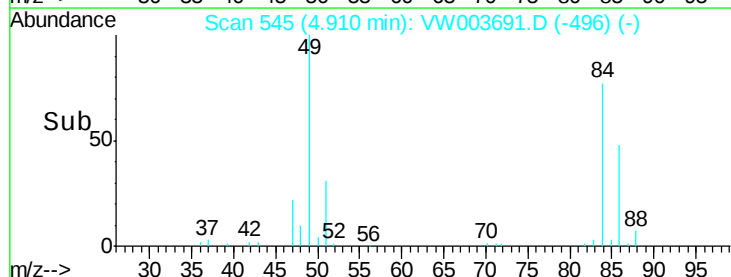
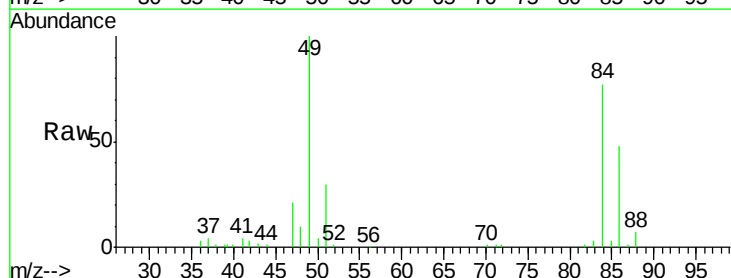
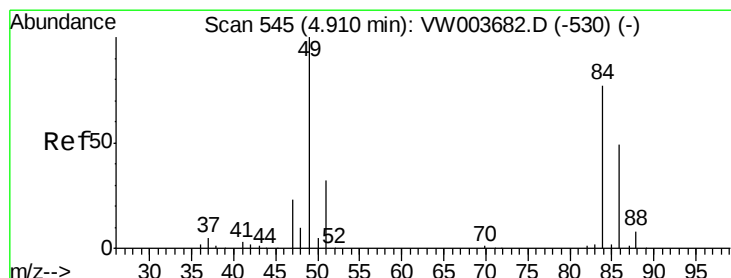
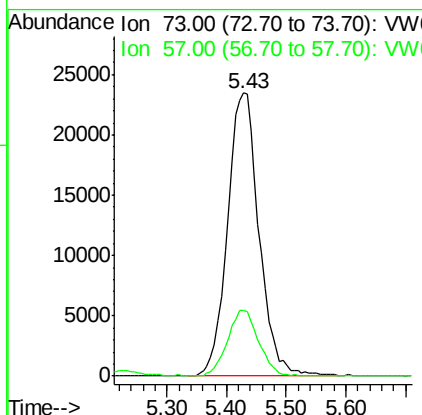




#19
Methvl tert-butvl Ether
Concen: 18.52 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW003691.D
Acq: 03 Jul 2018 11:55

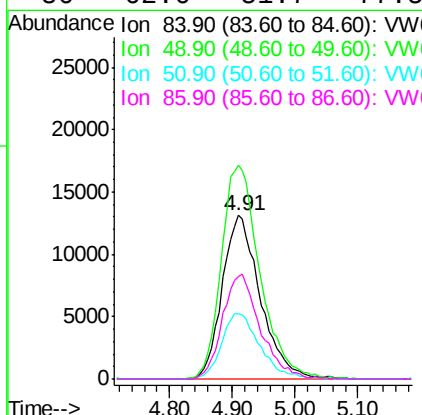
Instrument :
MSVOA_W
ClientSampleId :
VW0703SBSD01

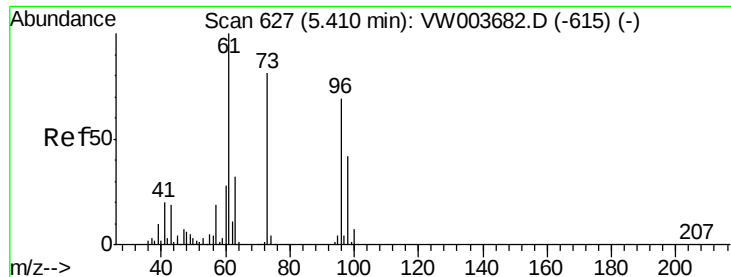
Tot Ion: 73 Resp: 86156
Ion Ratio Lower Upper
73 100
57 23.2 18.1 27.1



#20
Methylene Chloride
Concen: 18.15 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003691.D
Acq: 03 Jul 2018 11:55

Tgt Ion: 84 Resp: 55006
Ion Ratio Lower Upper
84 100
49 130.3 104.6 156.8
51 39.6 33.2 49.8
86 62.6 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 18.29 ug/l

RT: 5.41 min Scan# 627

Delta R.T. 0.00 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

Instrument :

MSVOA_W

ClientSampleId :

VW0703SBS01

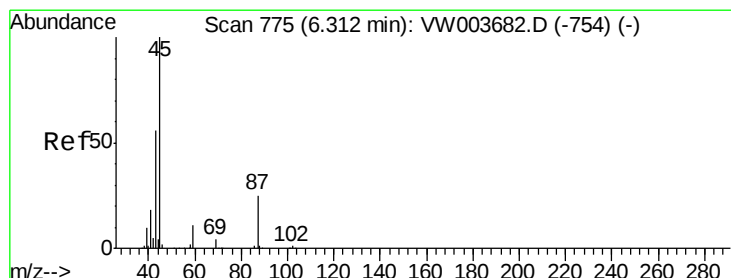
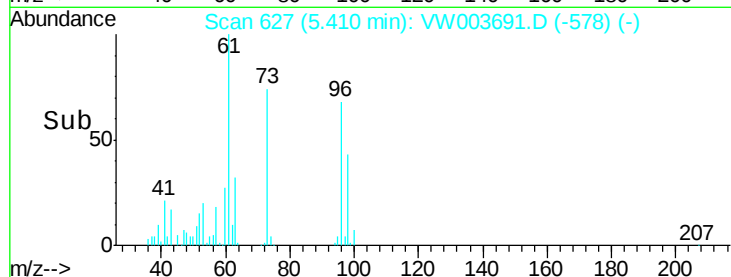
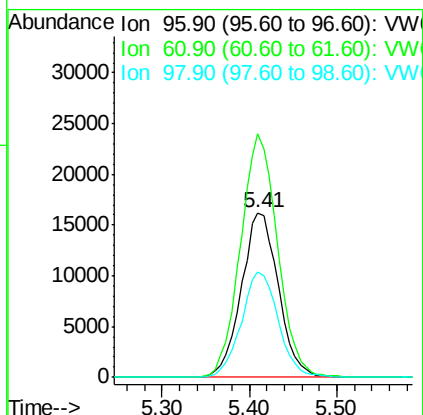
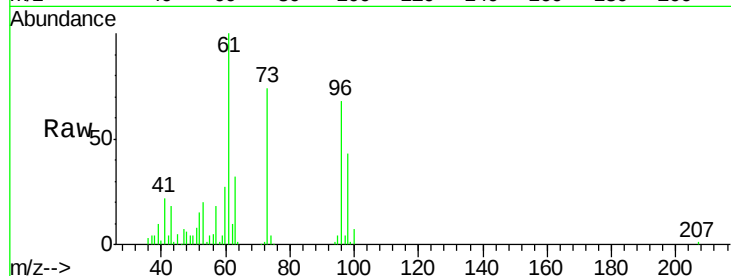
Tot Ion: 96 Resp: 47705

Ion Ratio Lower Upper

96 100

61 148.1 116.8 175.2

98 64.2 49.6 74.4



#22

Diisopropyl ether

Concen: 18.67 ug/l

RT: 6.31 min Scan# 775

Delta R.T. 0.00 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

Tgt Ion: 45 Resp: 155990

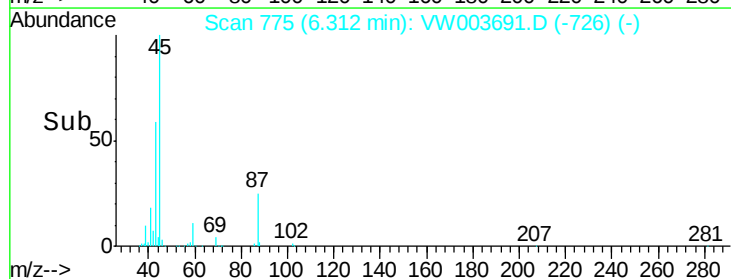
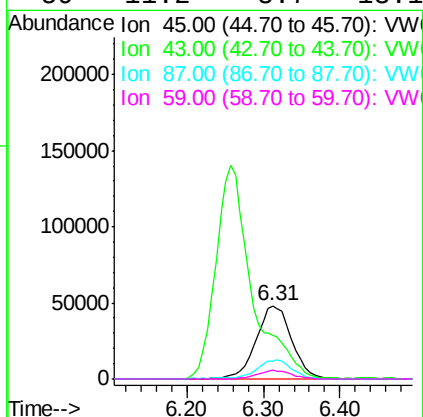
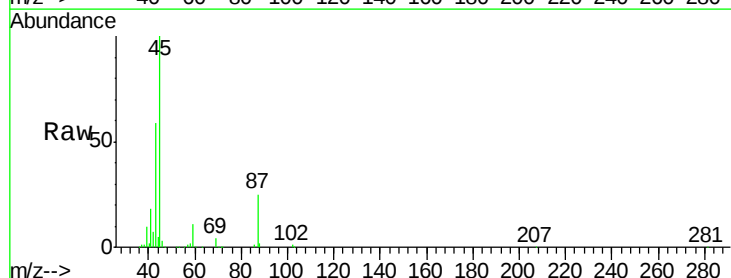
Ion Ratio Lower Upper

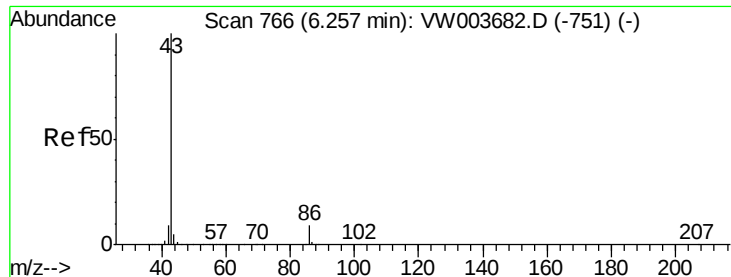
45 100

43 58.0 44.5 66.7

87 24.8 20.2 30.4

59 11.2 8.7 13.1





#23

Vinyl Acetate

Concen: 90.83 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

Instrument :

MSVOA_W

ClientSampleId :

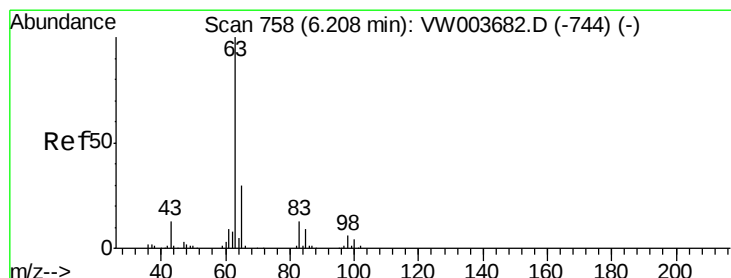
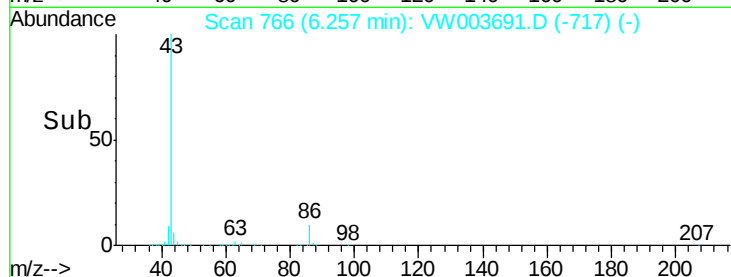
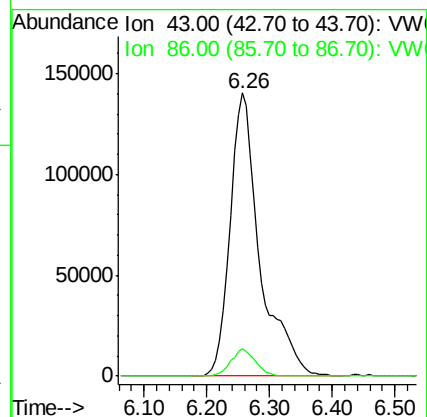
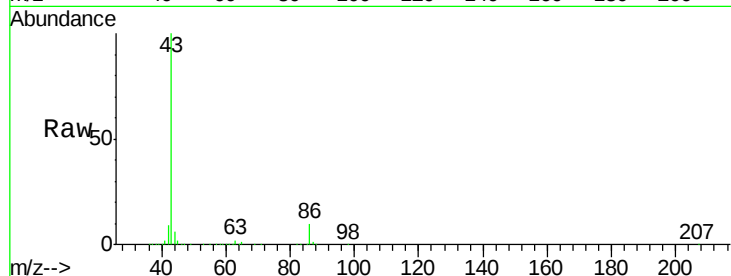
VW0703SBSD01

Tot Ion: 43 Resp: 461498

Ion Ratio Lower Upper

43 100

86 9.8 7.5 11.3



#24

1,1-Dichloroethane

Concen: 18.77 ug/l

RT: 6.21 min Scan# 758

Delta R.T. 0.00 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

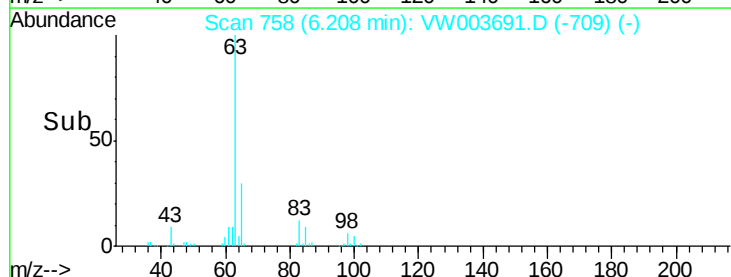
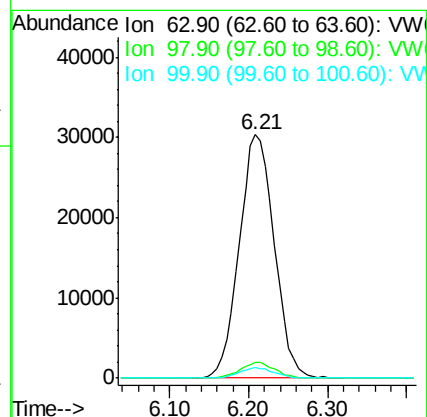
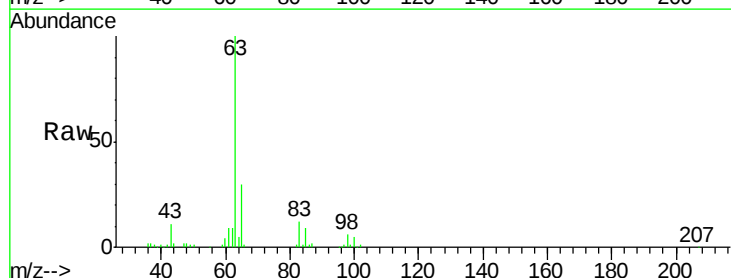
Tgt Ion: 63 Resp: 93500

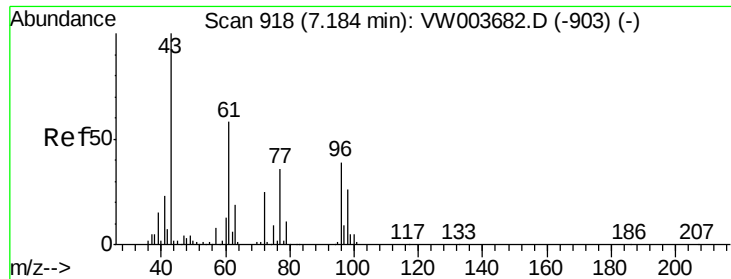
Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.6

100 4.5 1.9 5.7





#25

2-Butanone

Concen: 87.79 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

Instrument :

MSVOA_W

ClientSampleId :

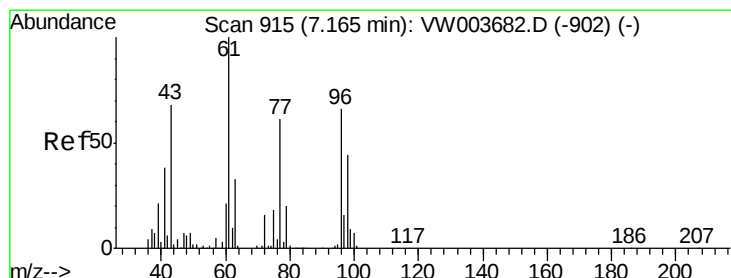
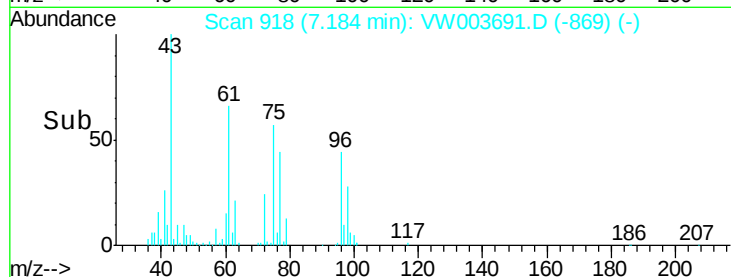
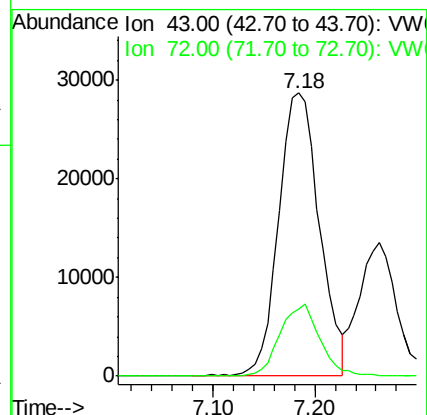
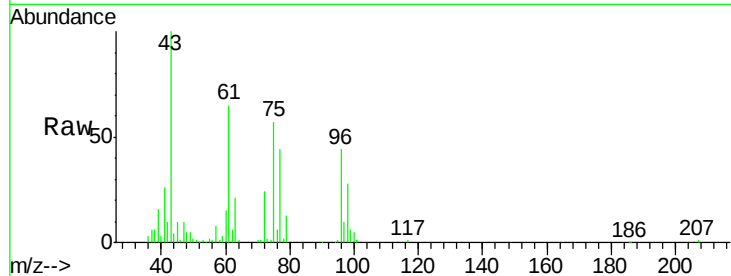
VW0703SBS01

Tot Ion: 43 Resp: 79611

Ion Ratio Lower Upper

43 100

72 23.7 20.2 30.4



#26

2,2-Dichloropropane

Concen: 19.10 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW003691.D

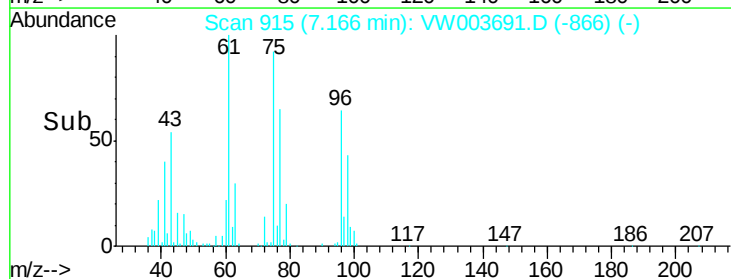
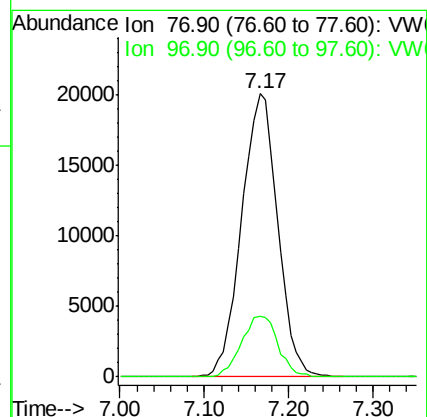
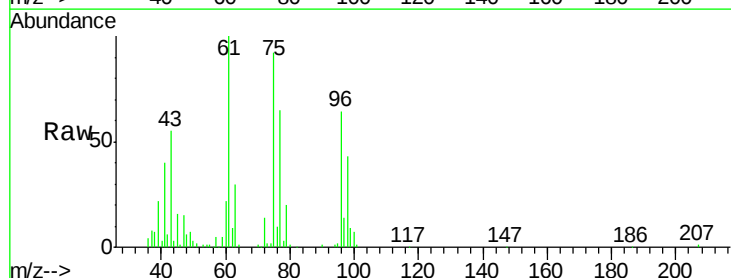
Acq: 03 Jul 2018 11:55

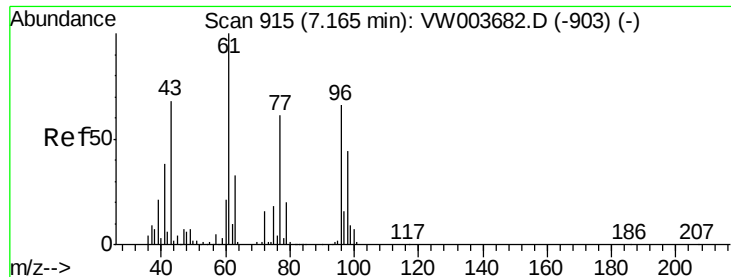
Tgt Ion: 77 Resp: 58326

Ion Ratio Lower Upper

77 100

97 21.6 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 18.21 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

Instrument :

MSVOA_W

ClientSampleId :

VW0703SBSD01

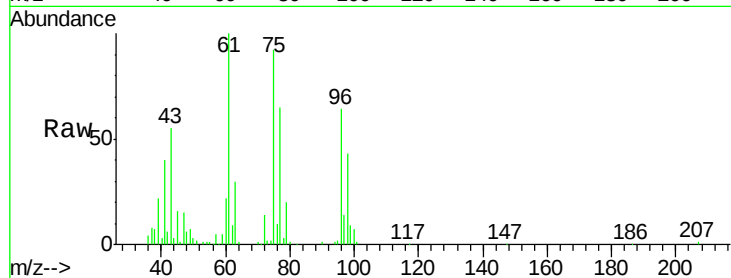
Tot Ion: 96 Resp: 51736

Ion Ratio Lower Upper

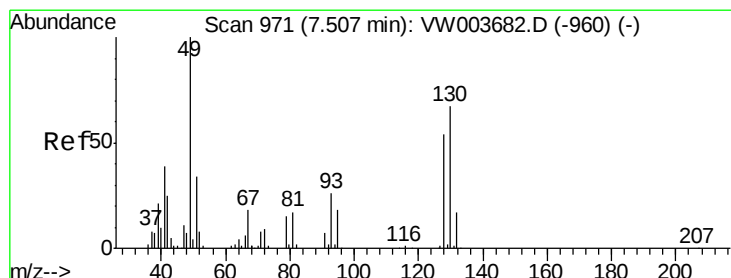
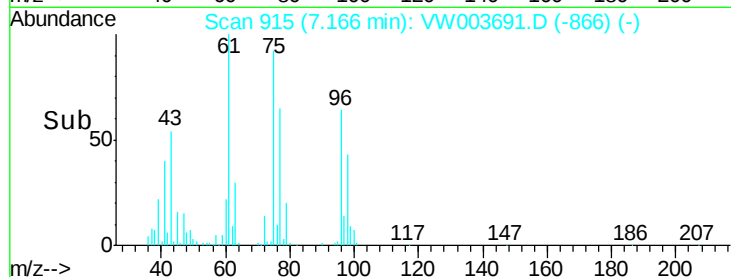
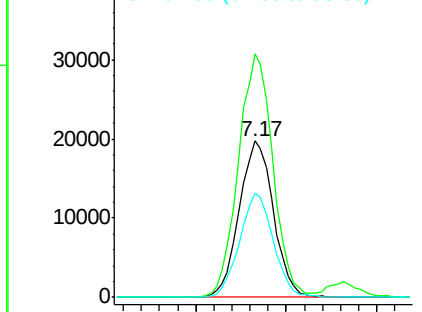
96 100

61 156.7 0.0 305.0

98 65.1 0.0 129.6



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



#28

Bromochloromethane

Concen: 20.18 ug/l

RT: 7.51 min Scan# 971

Delta R.T. 0.00 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

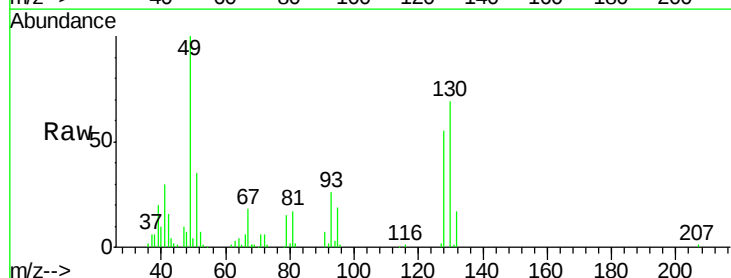
Tgt Ion: 49 Resp: 44185

Ion Ratio Lower Upper

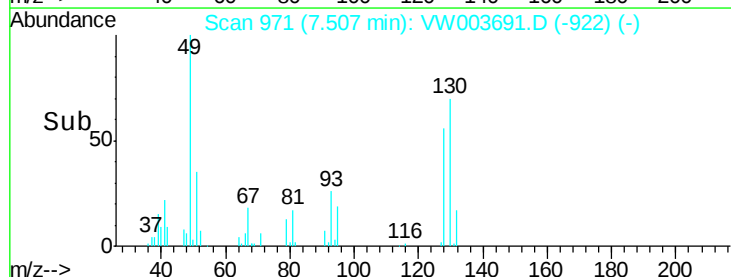
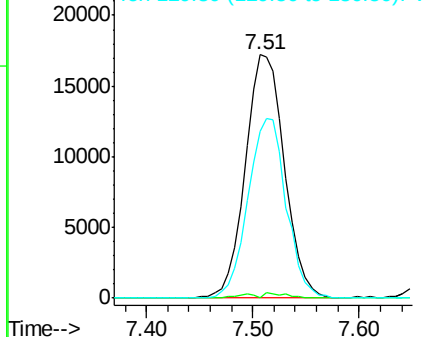
49 100

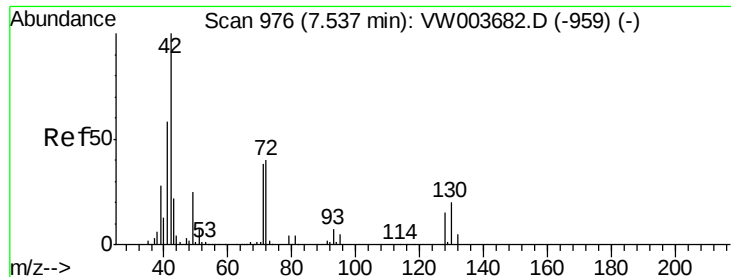
129 1.2 0.0 3.0

130 72.3 57.0 85.6



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

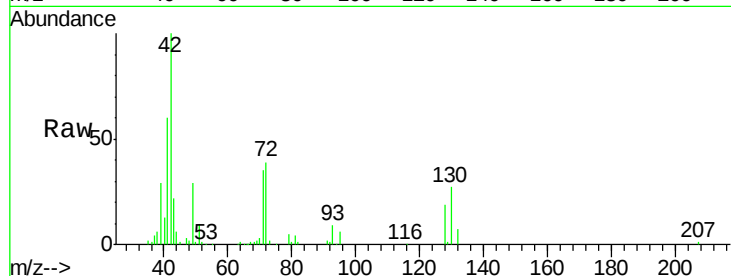




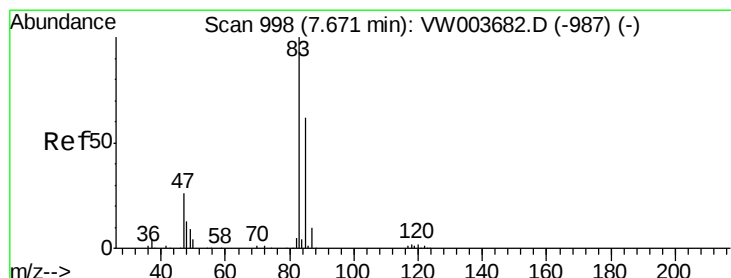
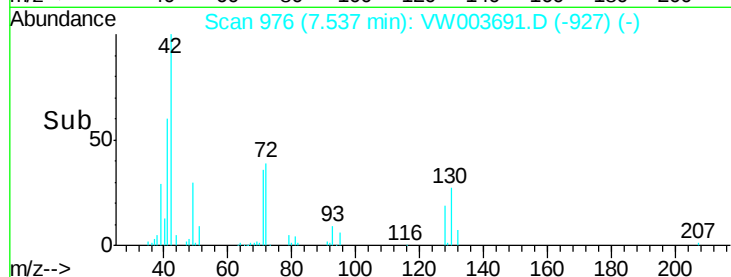
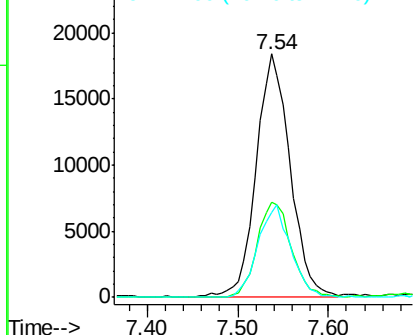
#29
Tetrahydrofuran
Concen: 88.05 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.00 min
Lab File: VW003691.D
Acq: 03 Jul 2018 11:55

Instrument :
MSVOA_W
ClientSampleId :
VW0703SBSD01

Tot Ion: 42 Resp: 47862
Ion Ratio Lower Upper
42 100
72 39.3 32.0 48.0
71 36.7 30.2 45.2

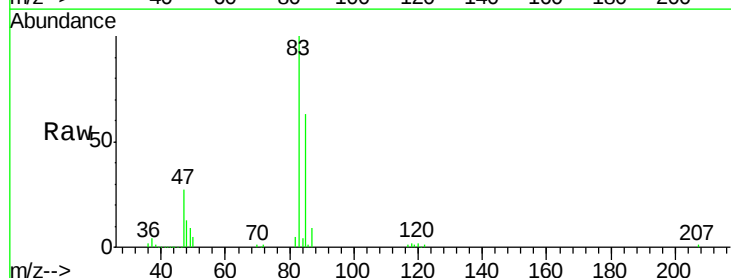


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

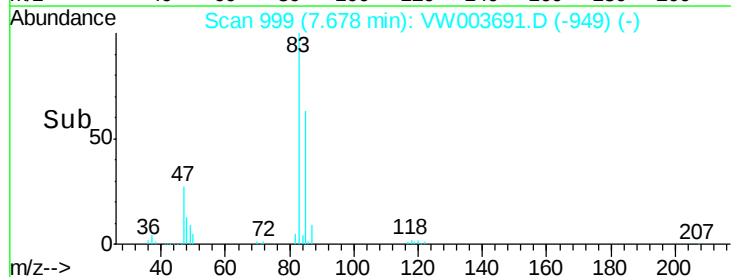
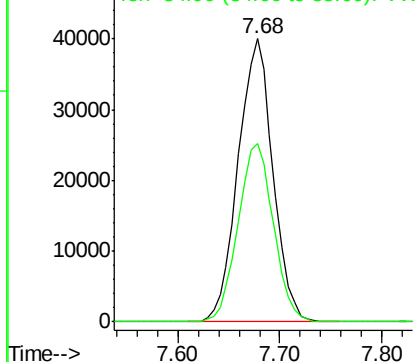


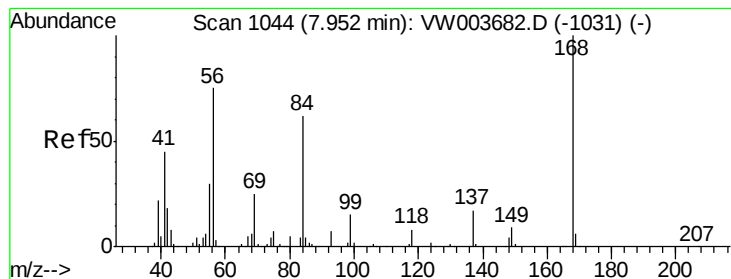
#30
Chloroform
Concen: 18.75 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.01 min
Lab File: VW003691.D
Acq: 03 Jul 2018 11:55

Tgt Ion: 83 Resp: 94463
Ion Ratio Lower Upper
83 100
85 63.2 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: 17.61 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

Instrument :

MSVOA_W

ClientSampleId :

VW0703SBS01

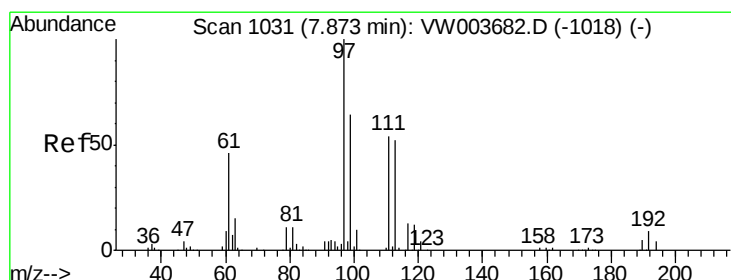
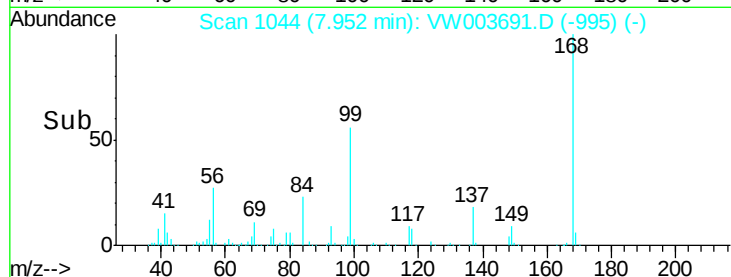
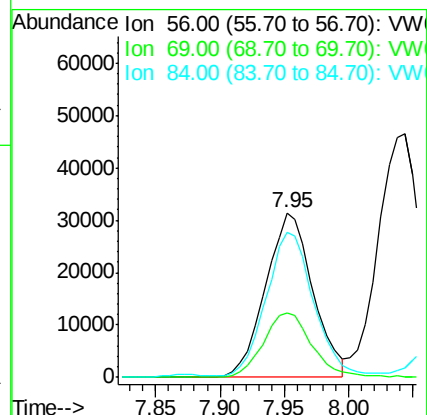
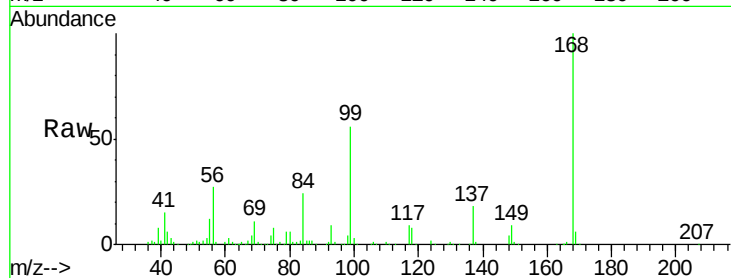
Tot Ion: 56 Resp: 79864

Ion Ratio Lower Upper

56 100

69 38.9 27.0 40.4

84 86.4 65.4 98.0



#32

1,1,1-Trichloroethane

Concen: 19.09 ug/l

RT: 7.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

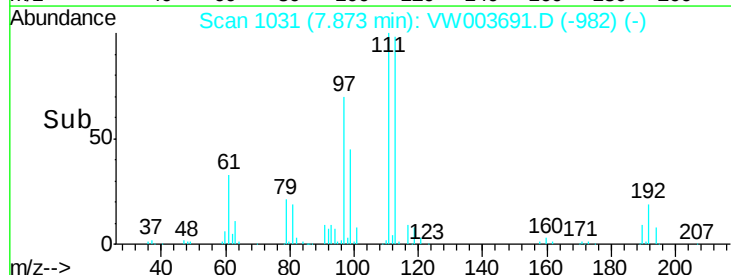
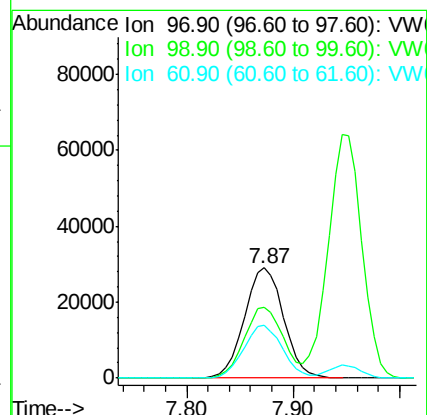
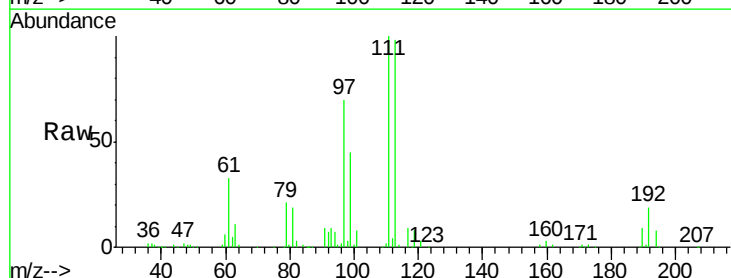
Tgt Ion: 97 Resp: 74867

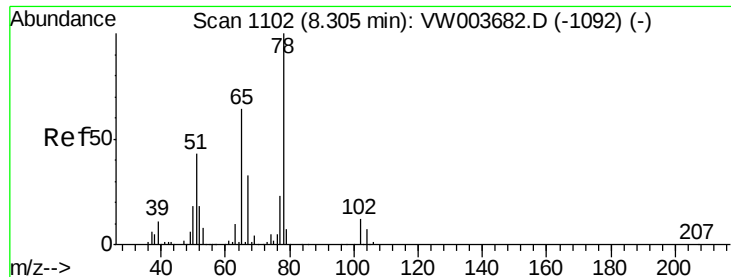
Ion Ratio Lower Upper

97 100

99 64.9 50.6 76.0

61 48.0 37.2 55.8





#33

1,2-Dichloroethane-d4

Concen: 51.84 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

Instrument :

MSVOA_W

ClientSampleId :

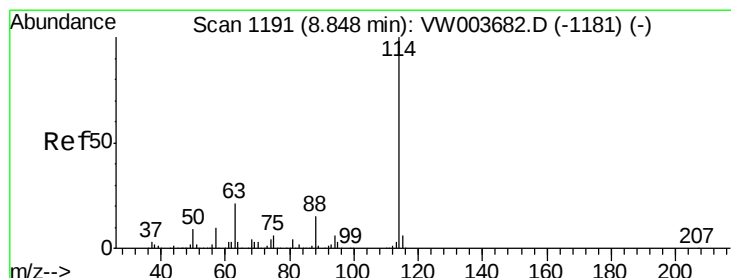
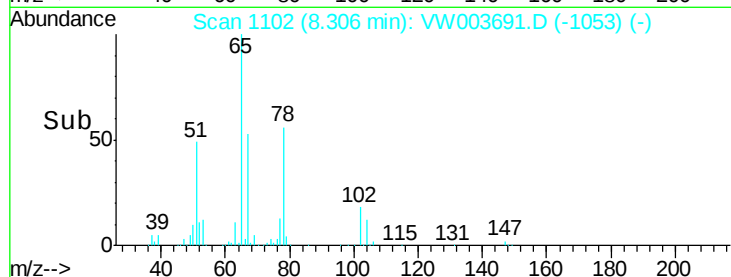
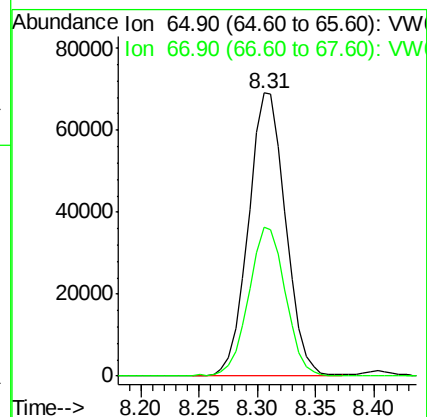
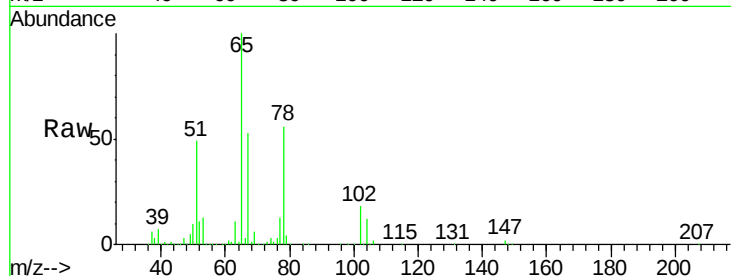
VW0703SBS01

Tot Ion: 65 Resp: 153809

Ion Ratio Lower Upper

65 100

67 52.4 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.84 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

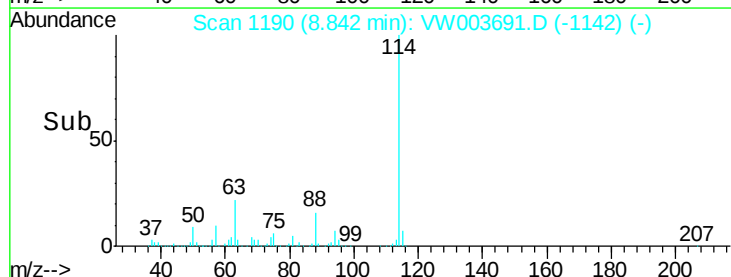
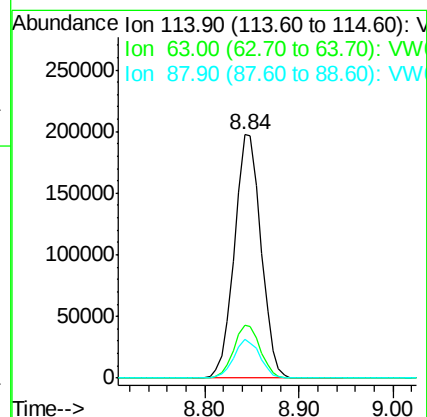
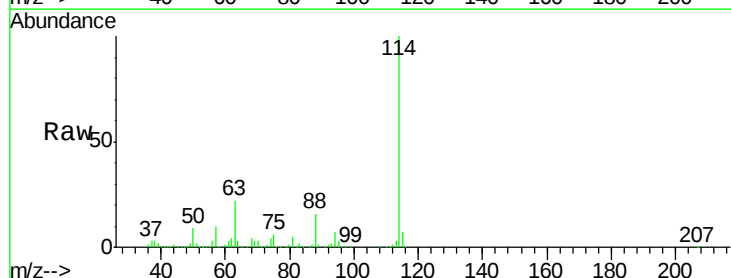
Tgt Ion: 114 Resp: 387259

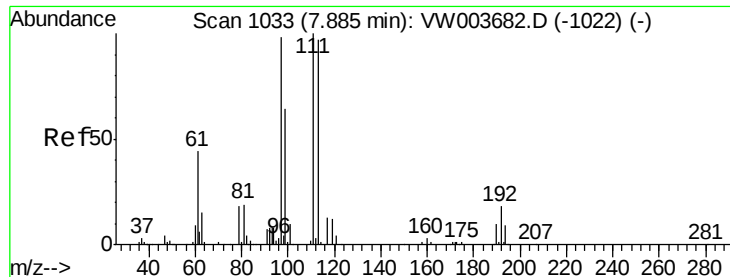
Ion Ratio Lower Upper

114 100

63 21.9 0.0 41.6

88 15.8 0.0 29.8

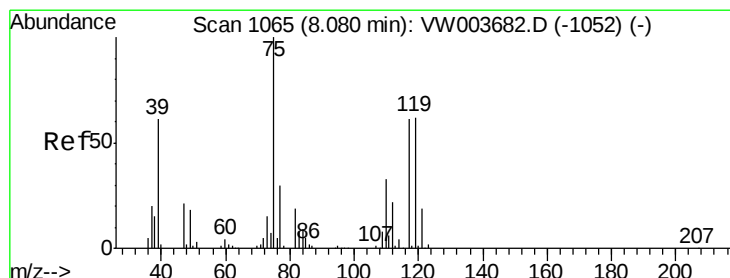
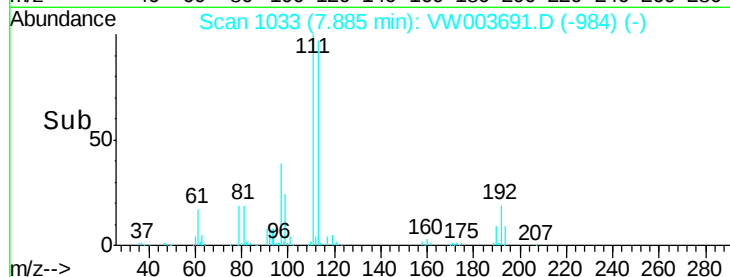
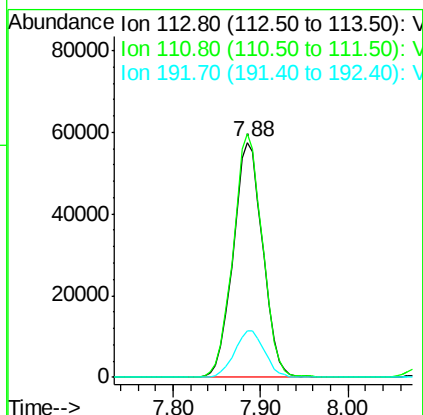
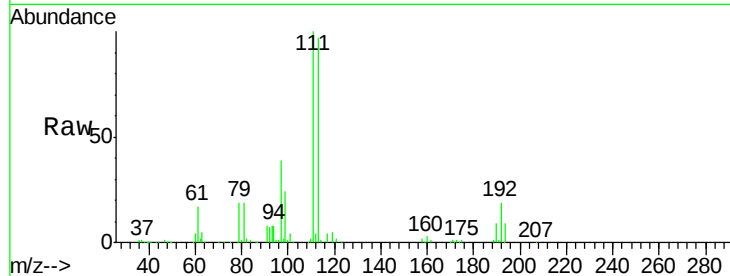




#35
Dibromofluoromethane
Concen: 53.50 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VW003691.D
Acq: 03 Jul 2018 11:55

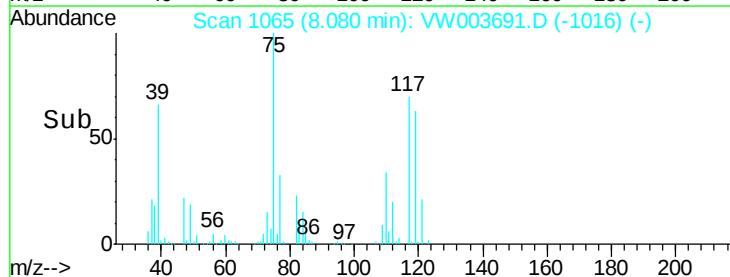
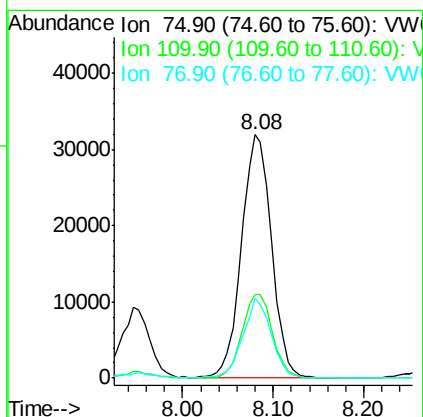
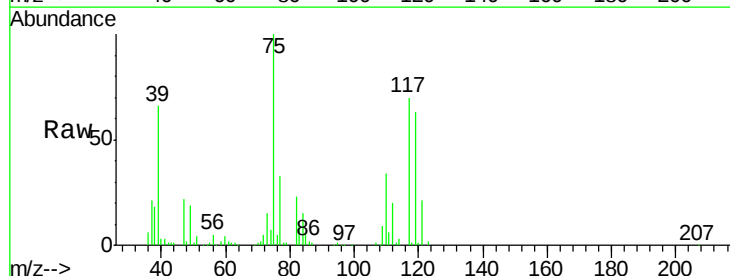
Instrument :
MSVOA_W
ClientSampleId :
VW0703SBSD01

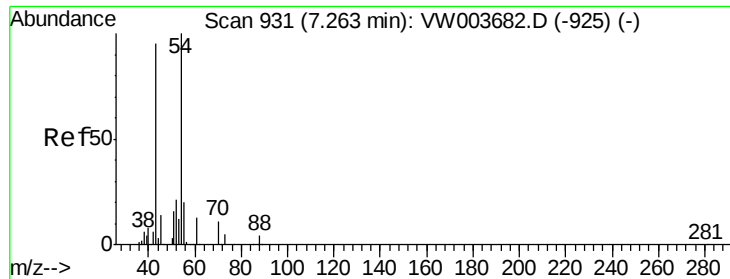
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.4	123.6
192	20.2	15.8	23.6



#36
1,1-Dichloropropene
Concen: 18.92 ug/l
RT: 8.08 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW003691.D
Acq: 03 Jul 2018 11:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.6	16.9	50.6
77	31.0	24.9	37.3

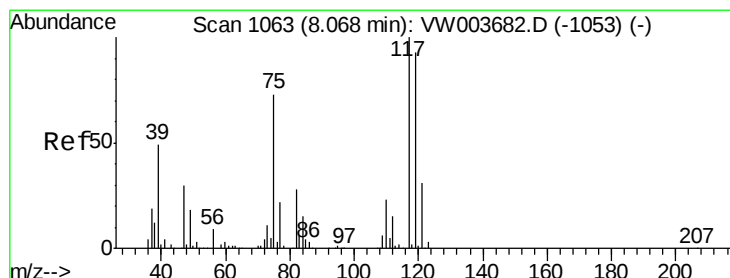
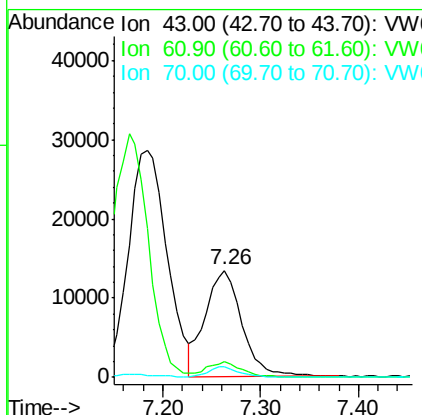
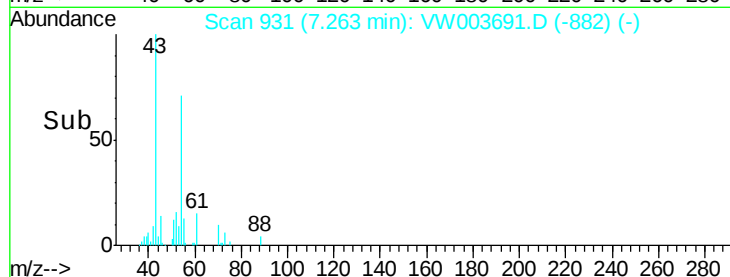
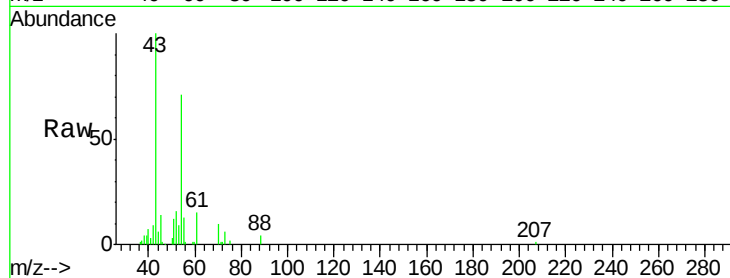




#37
Ethyl Acetate
Concen: 18.49 ug/l
RT: 7.26 min Scan# 931
Delta R.T. 0.00 min
Lab File: VW003691.D
Acq: 03 Jul 2018 11:55

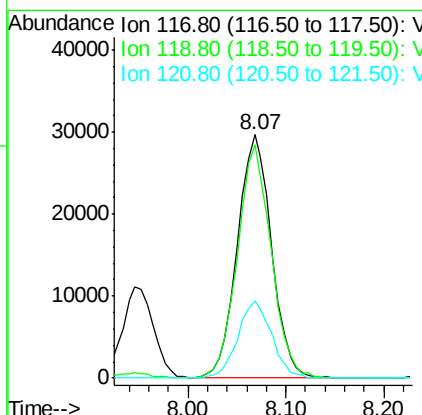
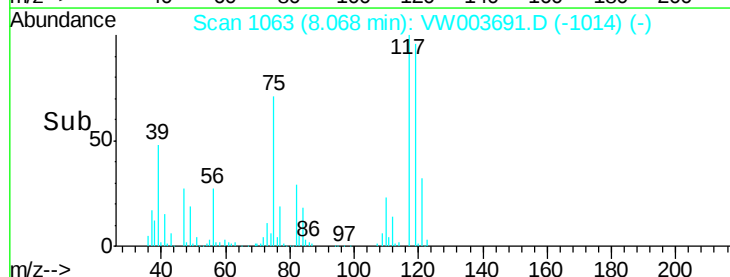
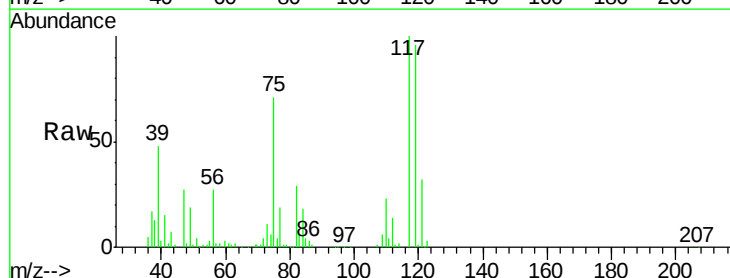
Instrument :
MSVOA_W
ClientSampleId :
VW0703SBS01

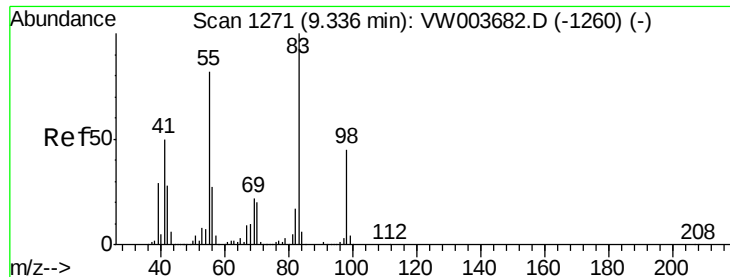
Tot Ion: 43 Resp: 34985
Ion Ratio Lower Upper
43 100
61 13.8 10.5 15.7
70 9.0 7.7 11.5



#38
Carbon Tetrachloride
Concen: 19.46 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW003691.D
Acq: 03 Jul 2018 11:55

Tgt Ion: 117 Resp: 71963
Ion Ratio Lower Upper
117 100
119 96.0 74.1 111.1
121 31.5 25.0 37.4

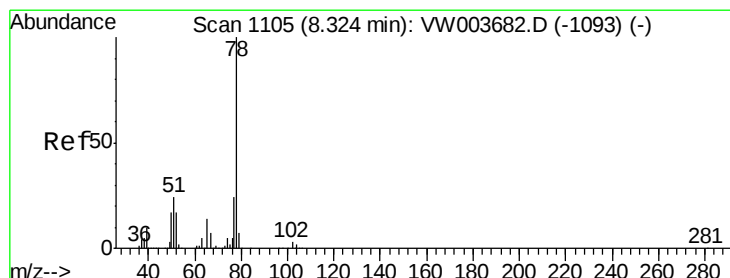
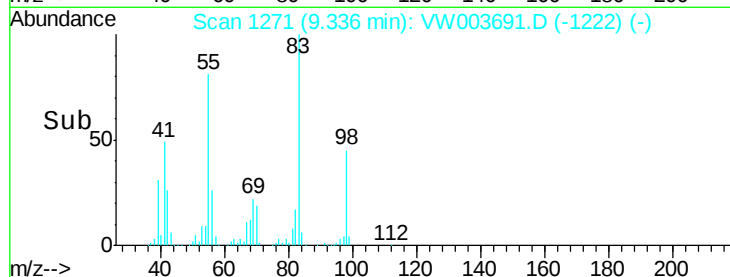
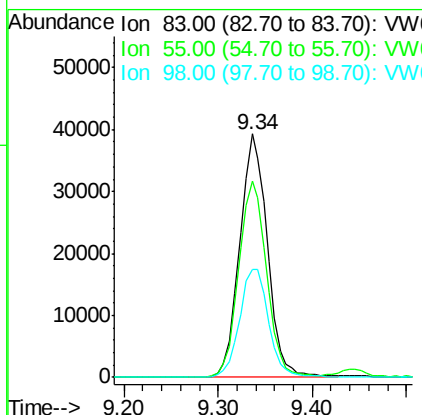
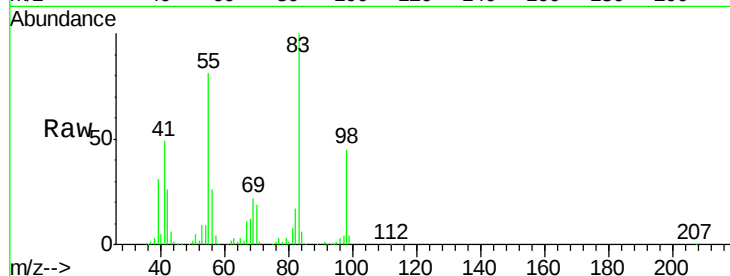




#39
Methvlcvclohexane
Concen: 18.04 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW003691.D
Acq: 03 Jul 2018 11:55

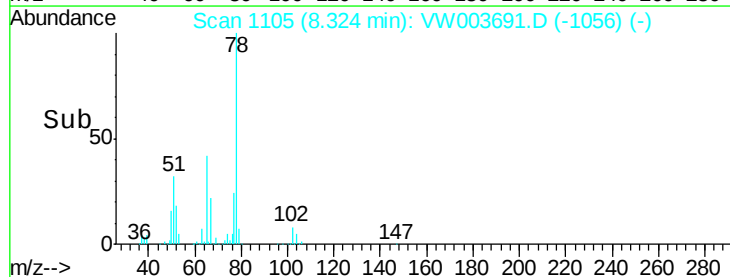
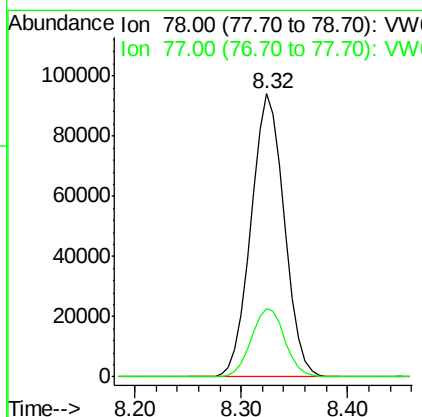
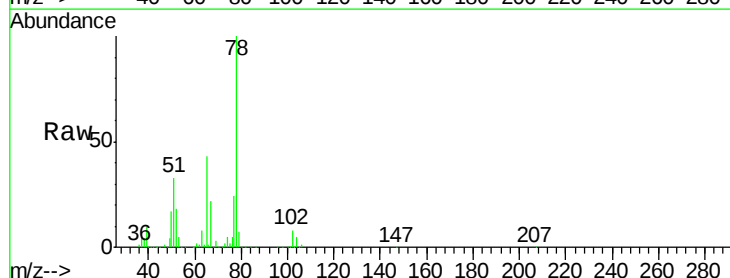
Instrument :
MSVOA_W
ClientSampleId :
VW0703SBS01

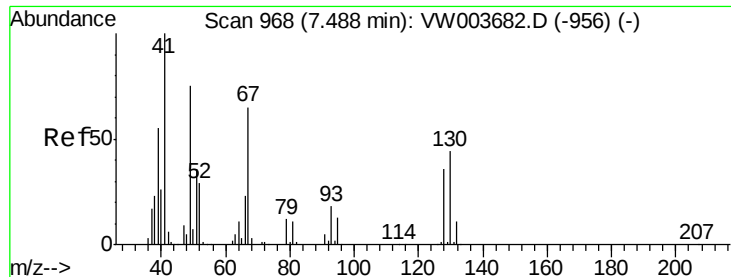
Tot Ion: 83 Resp: 80778
Ion Ratio Lower Upper
83 100
55 80.7 65.3 97.9
98 44.6 36.3 54.5



#40
Benzene
Concen: 18.89 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW003691.D
Acq: 03 Jul 2018 11:55

Tgt Ion: 78 Resp: 206379
Ion Ratio Lower Upper
78 100
77 24.3 19.4 29.0





#41

Methacrylonitrile

Concen: 17.08 ug/l

RT: 7.49 min Scan# 968

Delta R.T. 0.00 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

Instrument :

MSVOA_W

ClientSampleId :

VW0703SBS01

Tot Ion: 41 Resp: 18368

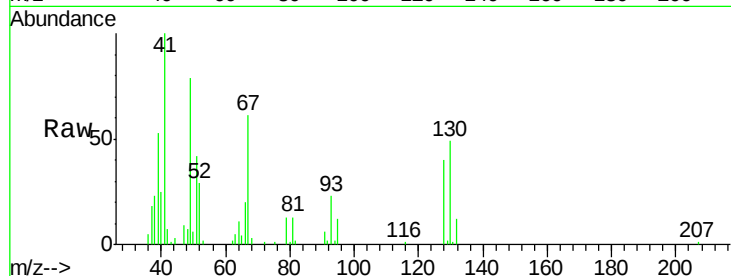
Ion Ratio Lower Upper

41 100

39 63.6 47.8 71.8

67 72.2 53.9 80.9

52 32.1 25.0 37.6

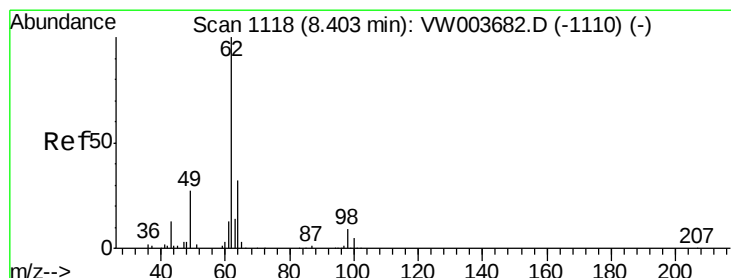
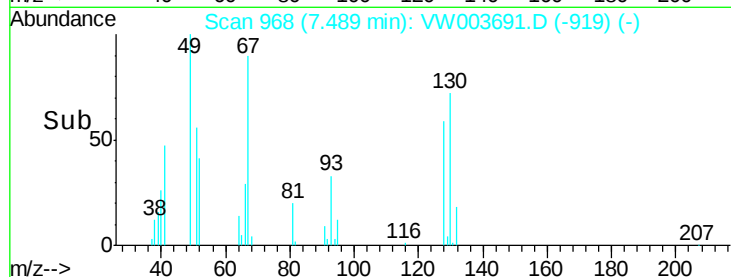
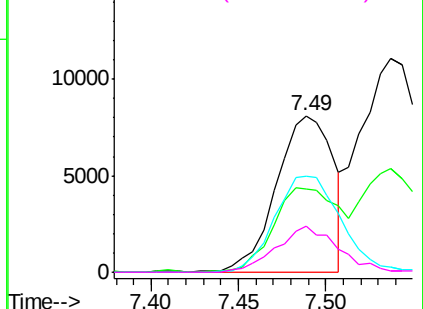


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 18.88 ug/l

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW003691.D

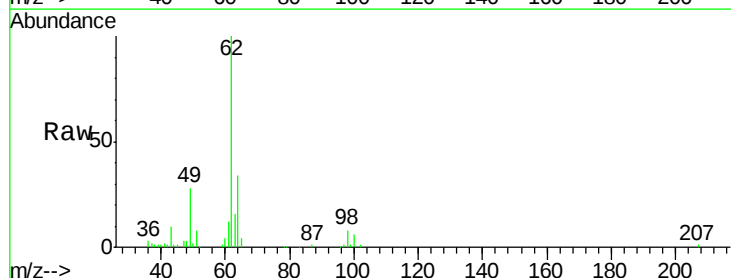
Acq: 03 Jul 2018 11:55

Tgt Ion: 62 Resp: 64947

Ion Ratio Lower Upper

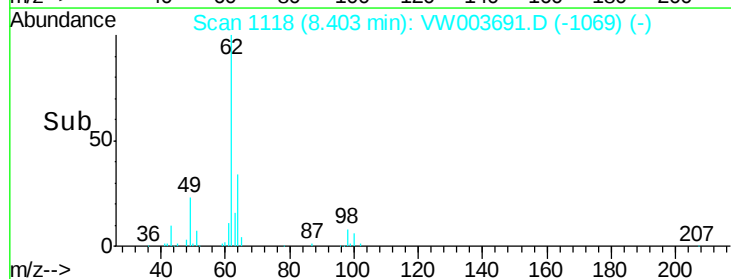
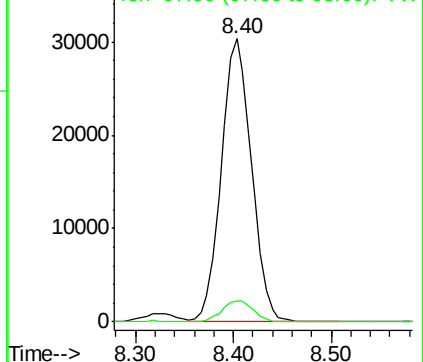
62 100

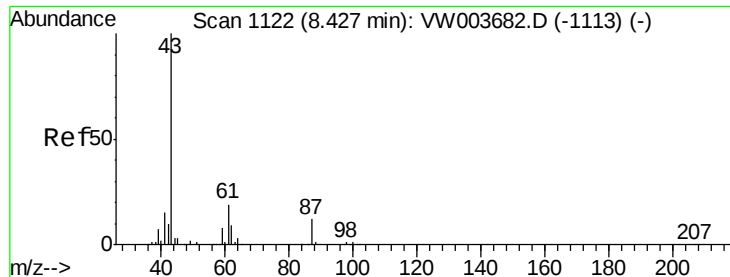
98 7.9 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW



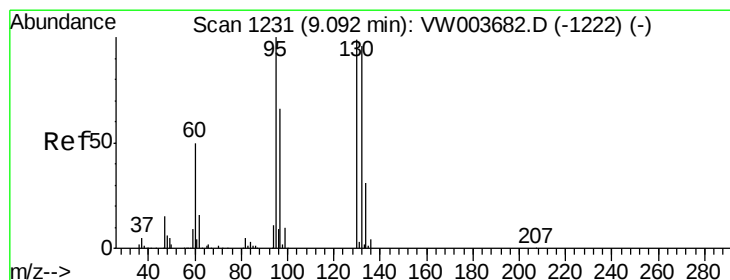
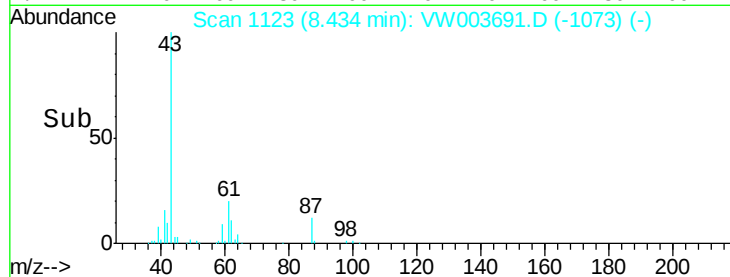
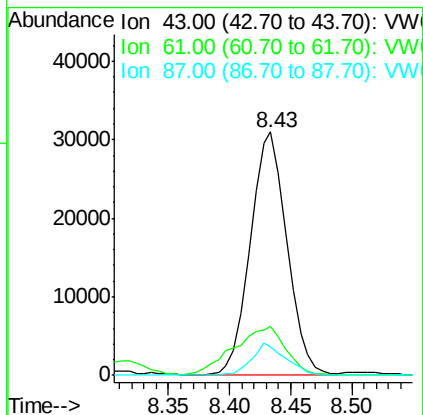
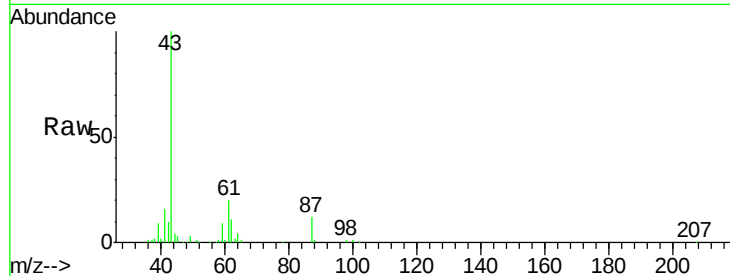


#43

Isopropyl Acetate
 Concen: 17.98 ug/l
 RT: 8.43 min Scan# 1123
 Delta R.T. 0.01 min
 Lab File: VW003691.D
 Acq: 03 Jul 2018 11:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0703SBS01

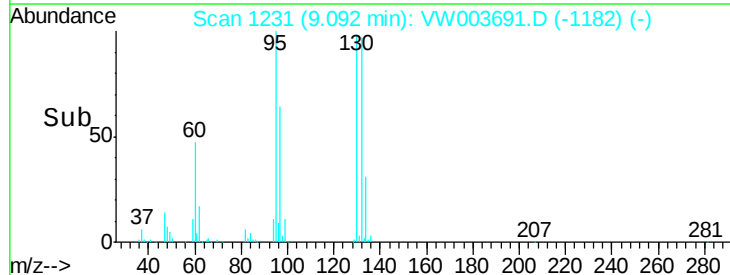
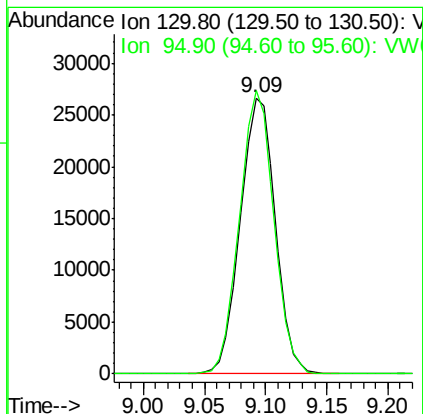
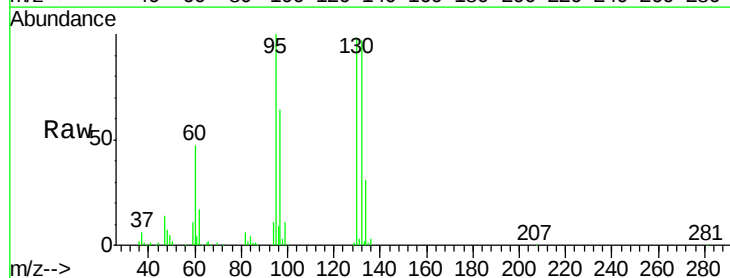
Tot Ion	43	Resp	64088
Ion Ratio	Lower	Upper	
43	100		
61	28.9	23.0	34.6
87	12.4	9.8	14.6

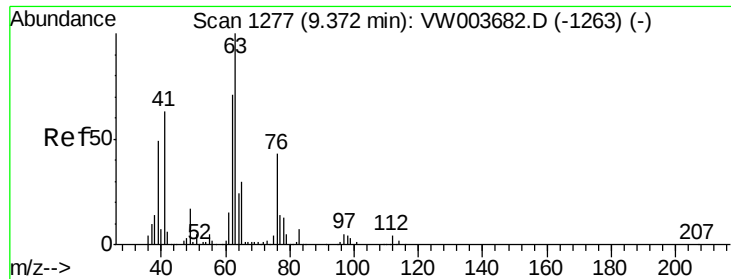


#44

Trichloroethene
 Concen: 18.77 ug/l
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW003691.D
 Acq: 03 Jul 2018 11:55

Tgt Ion	130	Resp	53022
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
130	100		
95	102.4	0.0	202.6

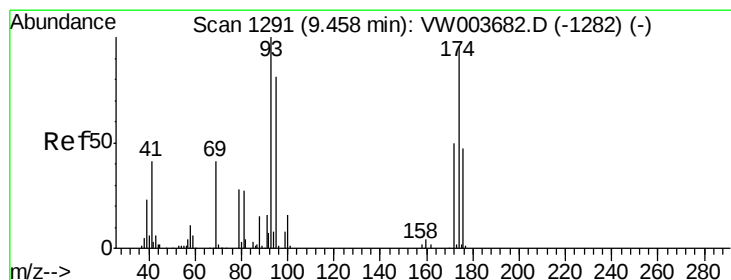
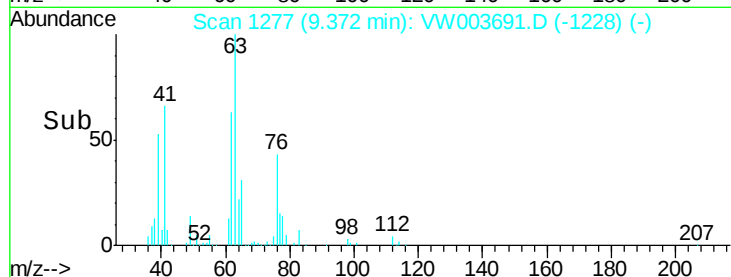
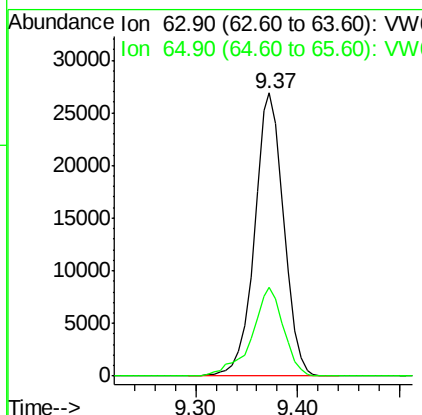
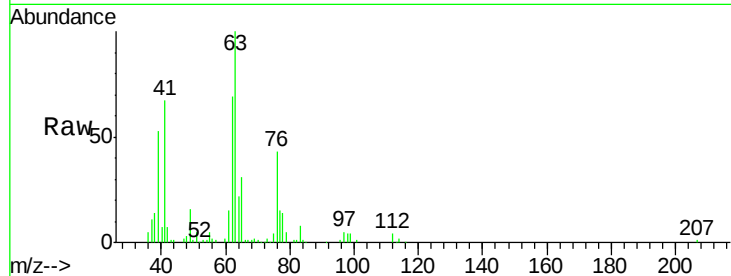




#45
 1,2-Dichloropropane
 Concen: 18.87 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW003691.D
 Acq: 03 Jul 2018 11:55

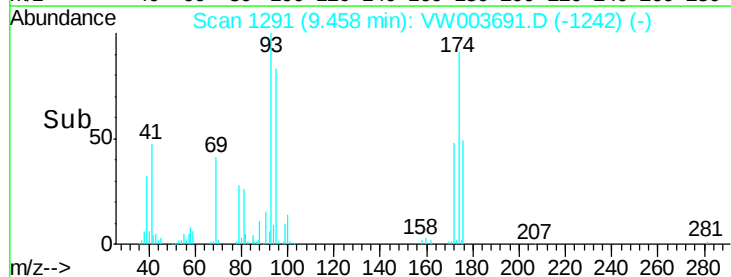
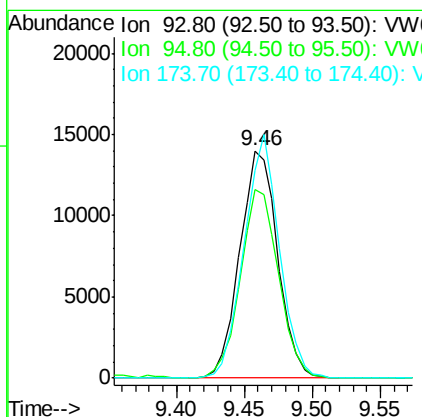
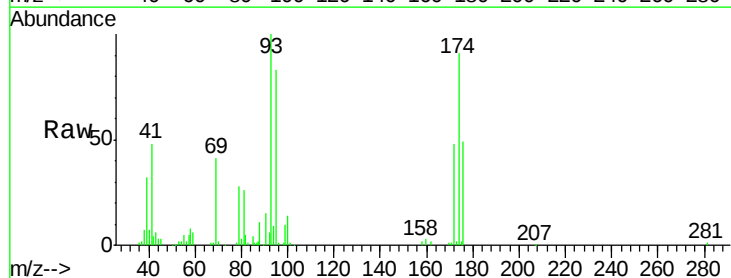
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0703SBSD01

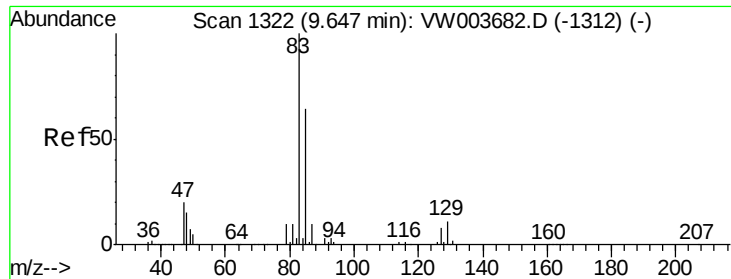
Tot Ion: 63 Resp: 53476
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.3 36.5



#46
 Dibromomethane
 Concen: 18.53 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VW003691.D
 Acq: 03 Jul 2018 11:55

Tgt Ion: 93 Resp: 27278
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.2 99.4
 174 100.1 79.6 119.4





#47

Bromodichloromethane

Concen: 18.94 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

Instrument :

MSVOA_W

ClientSampleId :

VW0703SBS01

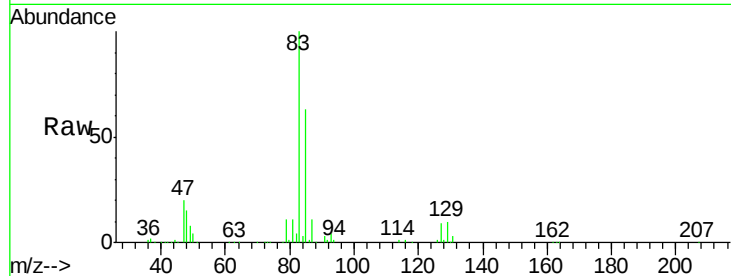
Tot Ion: 83 Resp: 68930

Ion Ratio Lower Upper

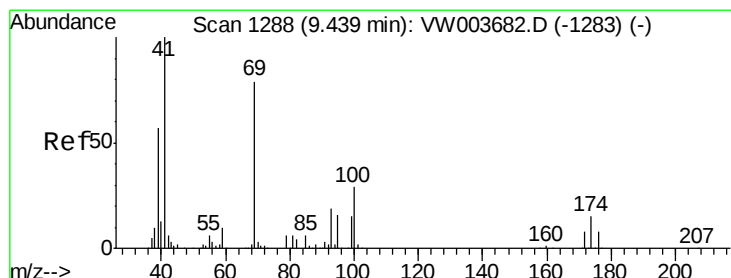
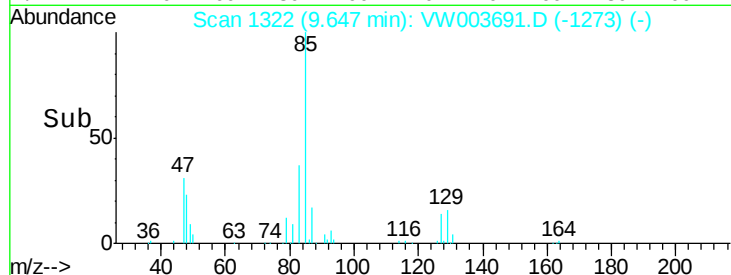
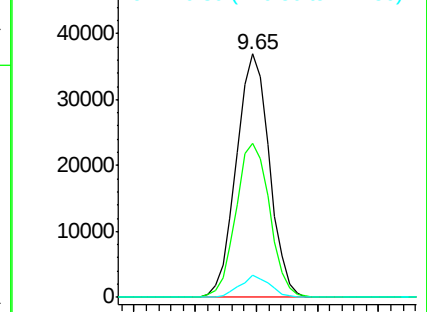
83 100

85 63.0 51.1 76.7

127 8.9 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: 18.22 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

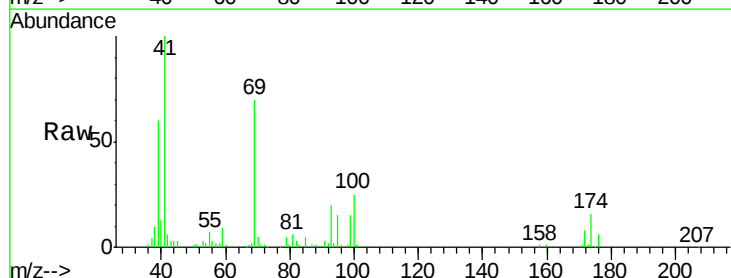
Tgt Ion: 41 Resp: 29990

Ion Ratio Lower Upper

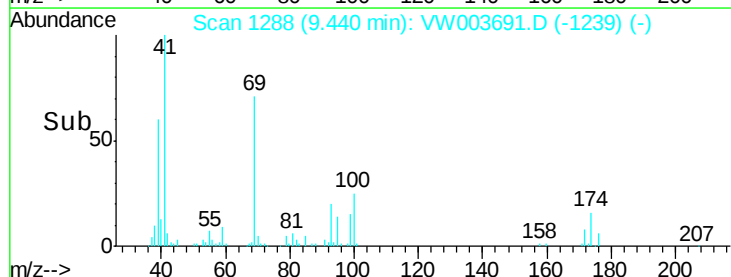
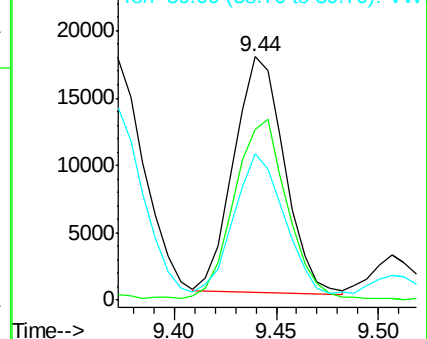
41 100

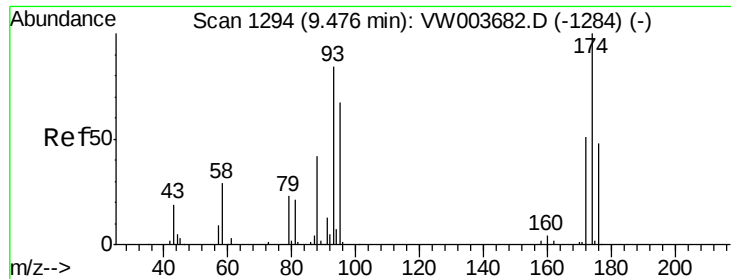
69 82.1 65.4 98.2

39 64.1 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: 373.56 ug/l

RT: 9.48 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

Instrument :

MSVOA_W

ClientSampled :

VW0703SBS01

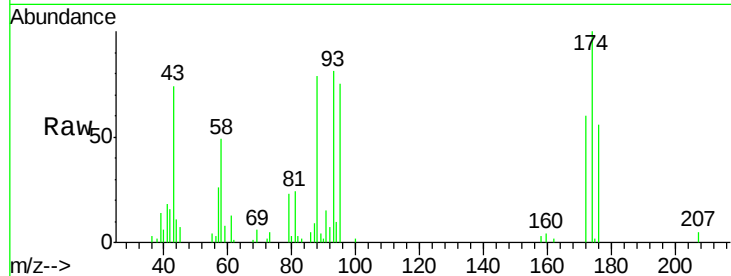
Tot Ion: 88 Resp: 8626

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

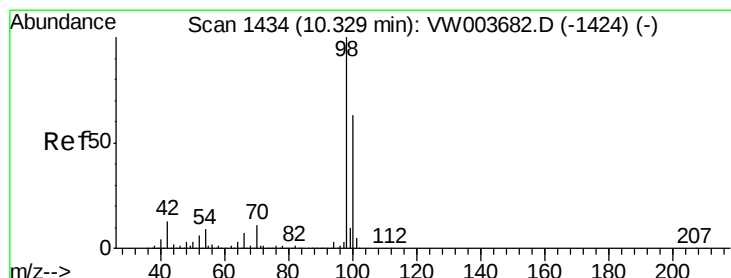
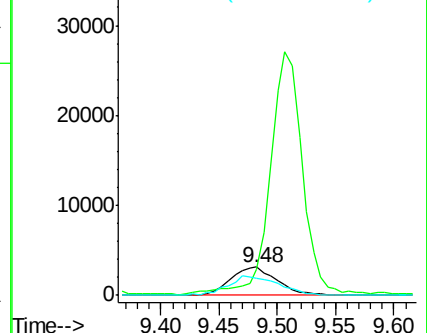
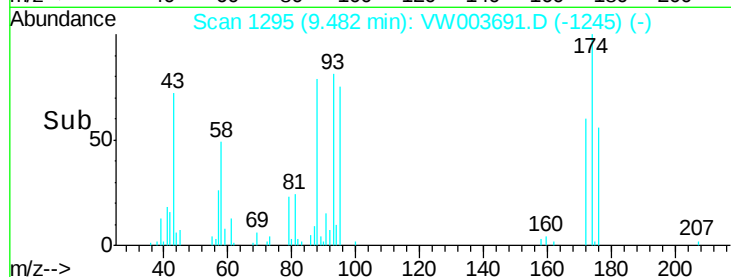
58 75.9 61.8 92.6



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 54.66 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003691.D

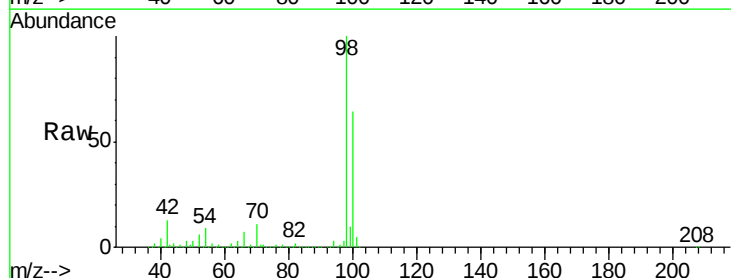
Acq: 03 Jul 2018 11:55

Tgt Ion: 98 Resp: 541951

Ion Ratio Lower Upper

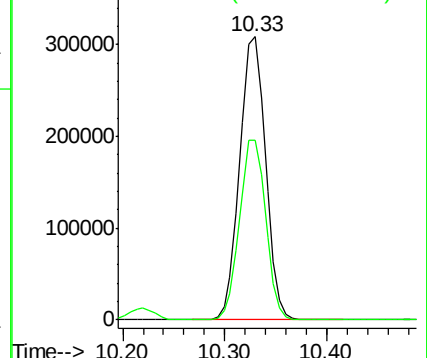
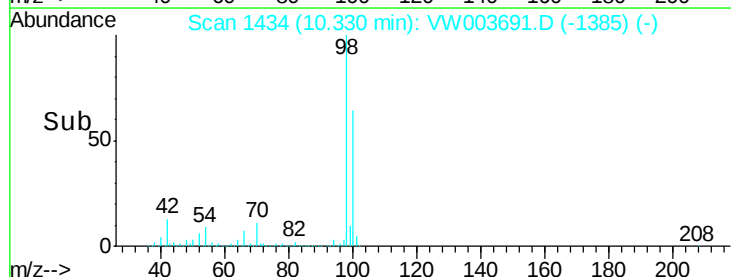
98 100

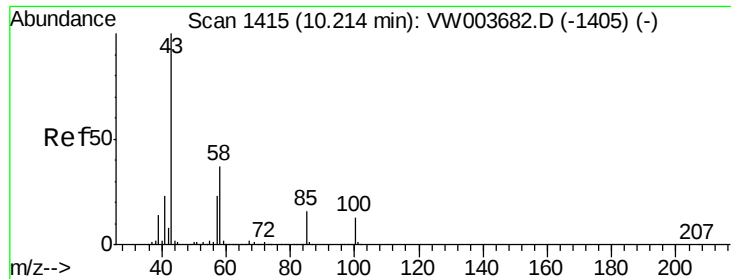
100 64.2 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 90.89 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.01 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

Instrument :

MSVOA_W

ClientSampleID :

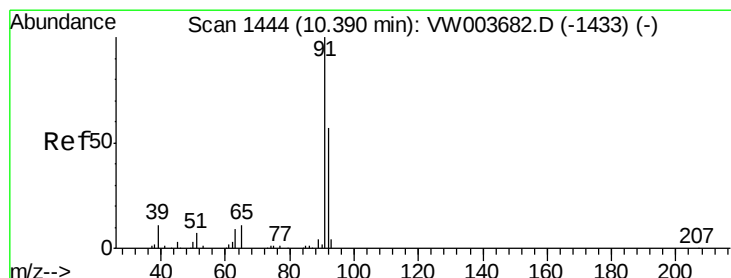
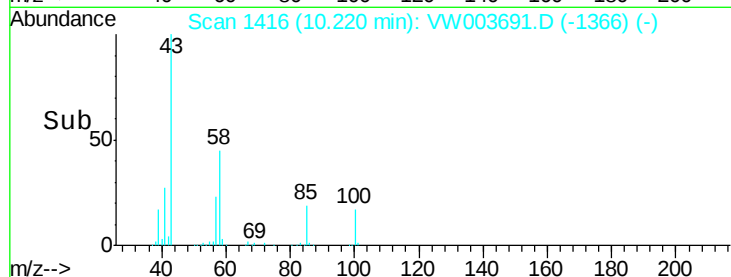
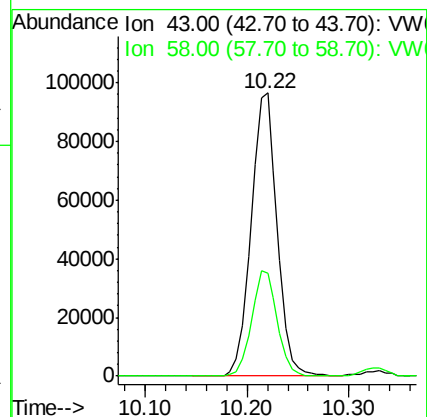
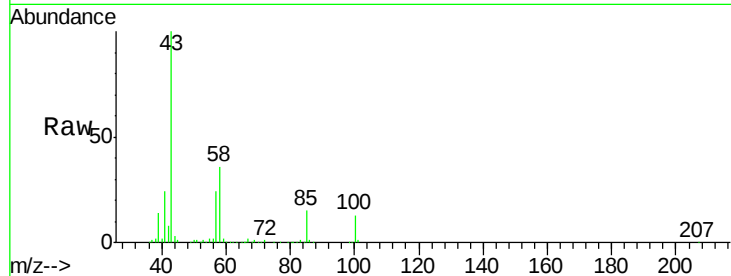
VW0703SBS01

Tot Ion: 43 Resp: 170675

Ion Ratio Lower Upper

43 100

58 36.7 29.6 44.4



#52

Toluene

Concen: 19.40 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003691.D

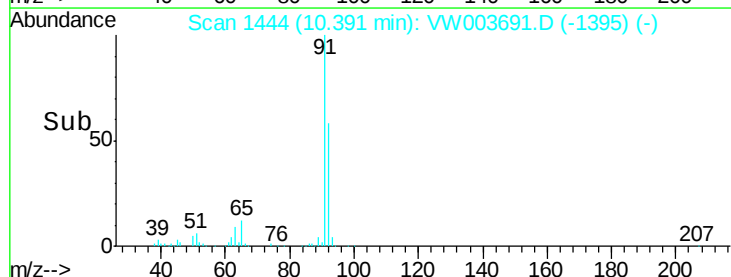
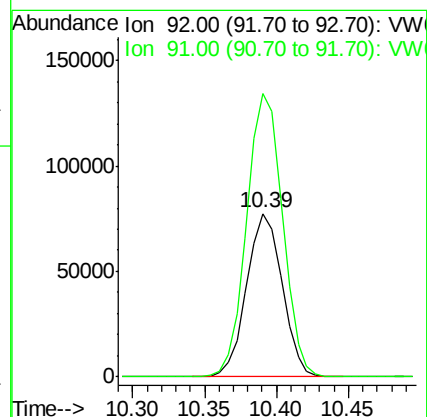
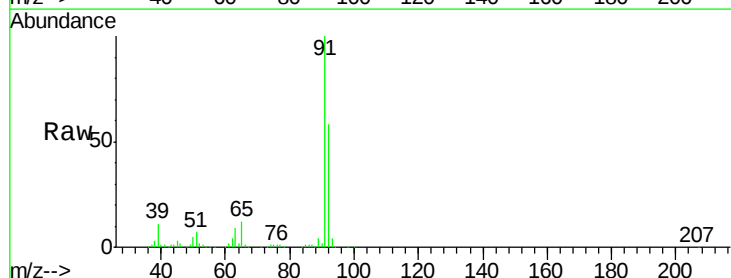
Acq: 03 Jul 2018 11:55

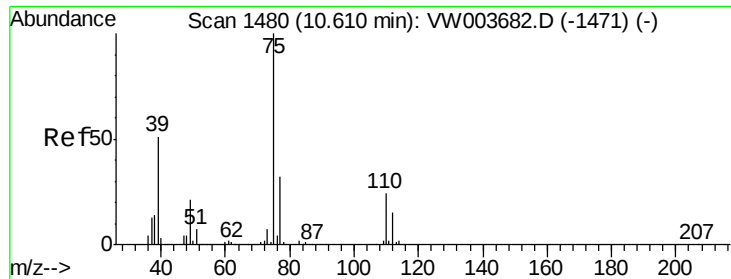
Tgt Ion: 92 Resp: 132313

Ion Ratio Lower Upper

92 100

91 174.8 140.2 210.2

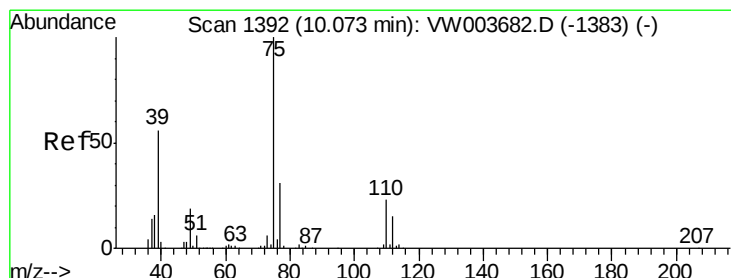
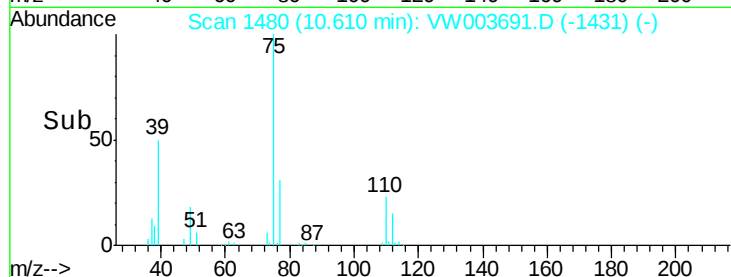
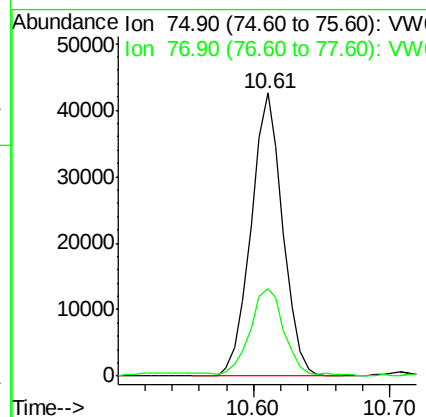
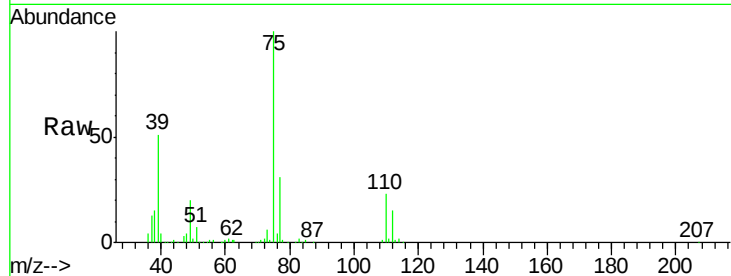




#53
t-1,3-Dichloropropene
Concen: 18.38 ug/l
RT: 10.61 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VW003691.D
Acq: 03 Jul 2018 11:55

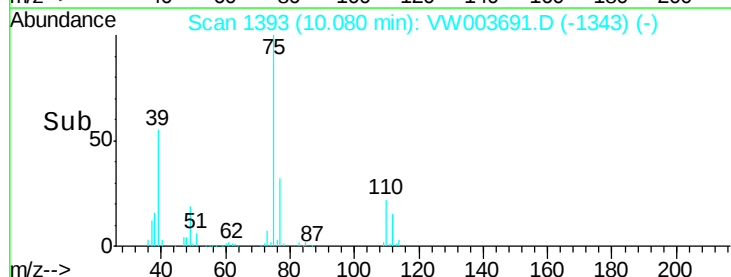
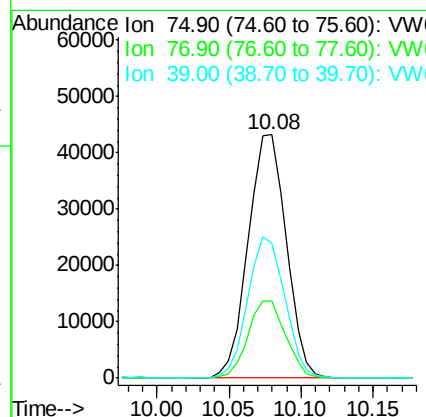
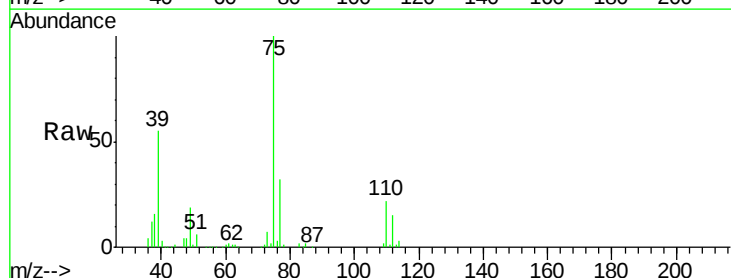
Instrument :
MSVOA_W
ClientSampleId :
VW0703SBSD01

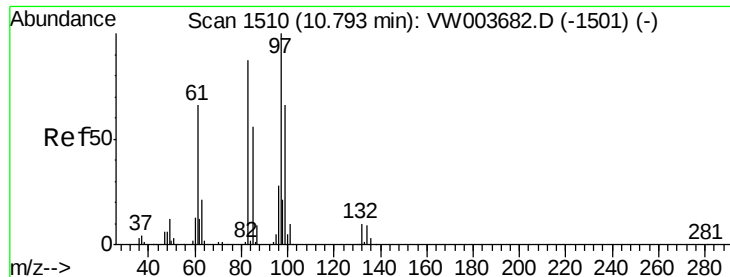
Tot Ion: 75 Resp: 69388
Ion Ratio Lower Upper
75 100
77 30.4 25.5 38.3



#54
cis-1,3-Dichloropropene
Concen: 18.54 ug/l
RT: 10.08 min Scan# 1393
Delta R.T. 0.01 min
Lab File: VW003691.D
Acq: 03 Jul 2018 11:55

Tgt Ion: 75 Resp: 79331
Ion Ratio Lower Upper
75 100
77 31.6 24.9 37.3
39 55.1 44.6 67.0

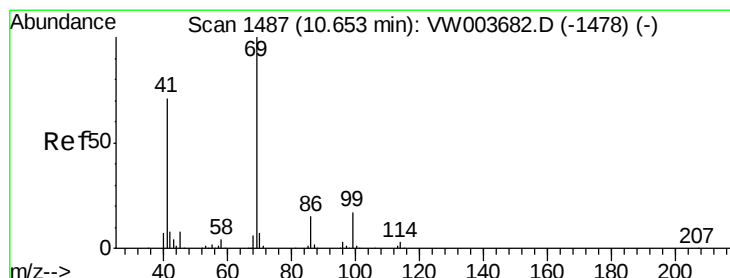
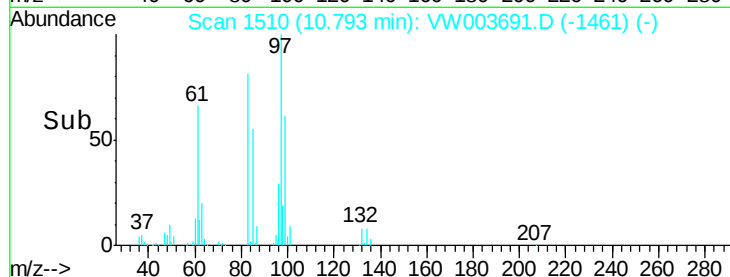
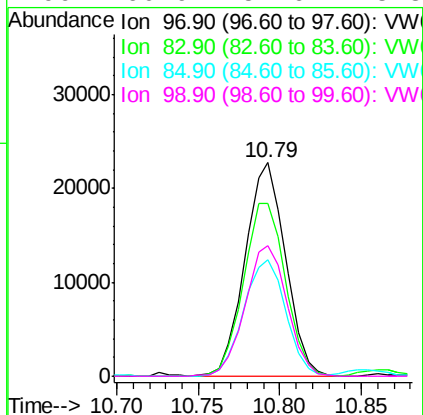
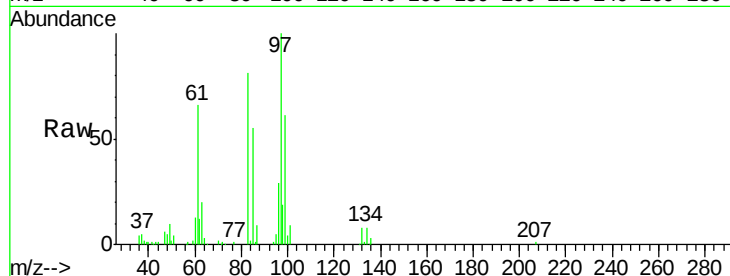




#55
 1,1,2-Trichloroethane
 Concen: 18.90 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW003691.D
 Acq: 03 Jul 2018 11:55

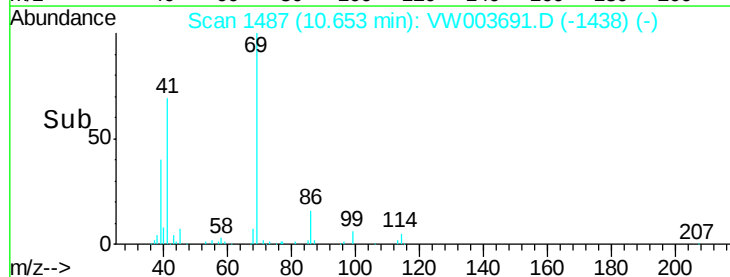
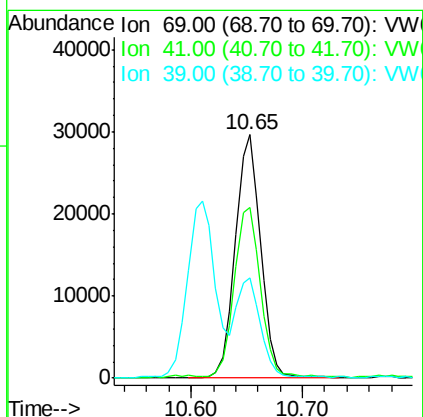
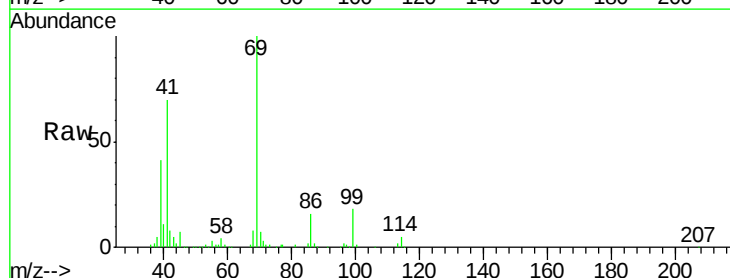
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0703SBSD01

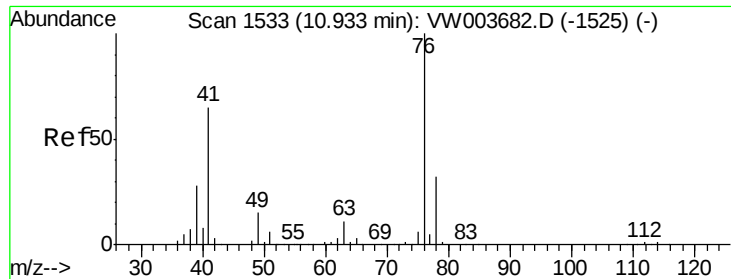
Tot Ion	97	Resp	39200
Ion	Ratio	Lower	Upper
97	100		
83	80.7	69.5	104.3
85	54.6	44.7	67.1
99	60.9	52.6	78.8



#56
 Ethyl methacrylate
 Concen: 18.36 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW003691.D
 Acq: 03 Jul 2018 11:55

Tgt Ion	69	Resp	46853
Ion	Ratio	Lower	Upper
69	100		
41	71.5	57.5	86.3
39	38.4	29.4	44.0

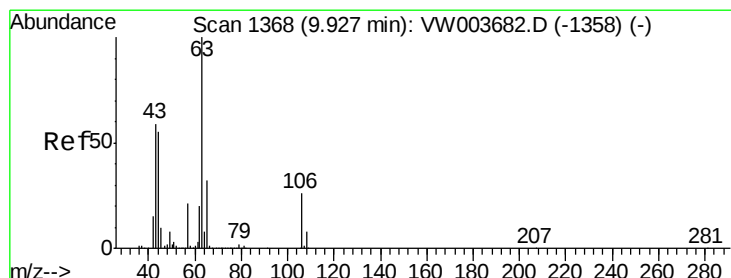
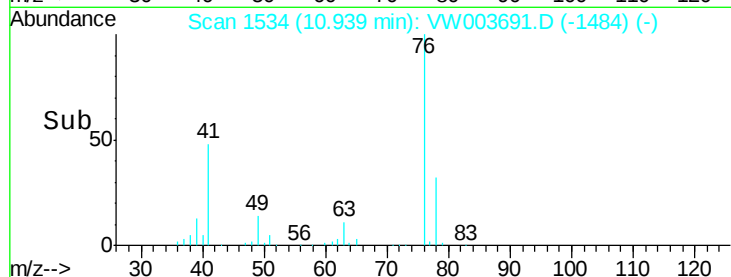
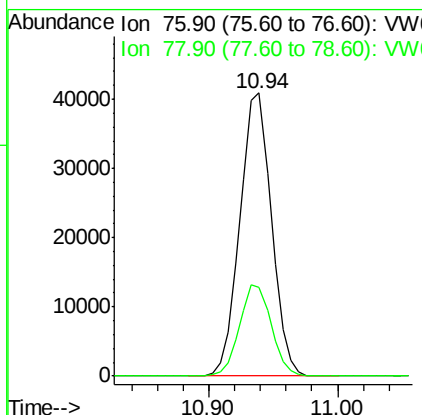
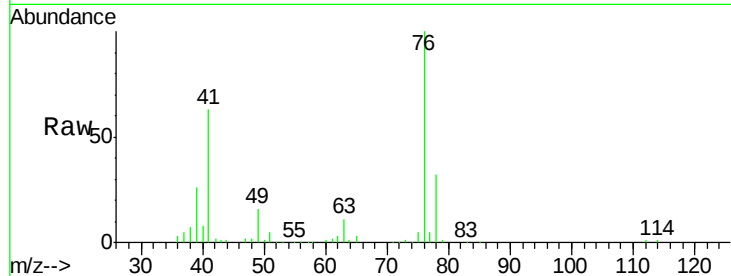




#57
 1,3-Dichloropropane
 Concen: 19.22 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: VW003691.D
 Acq: 03 Jul 2018 11:55

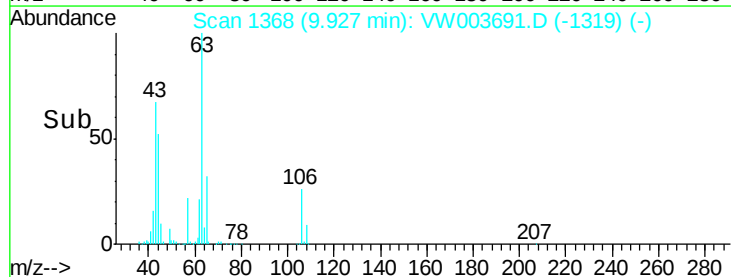
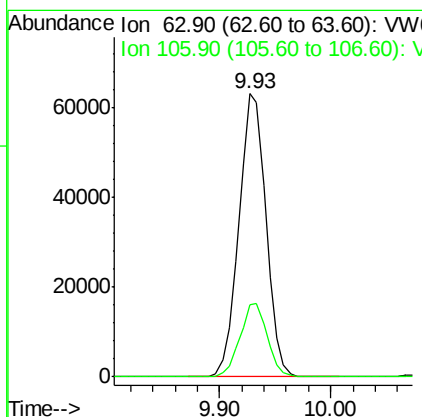
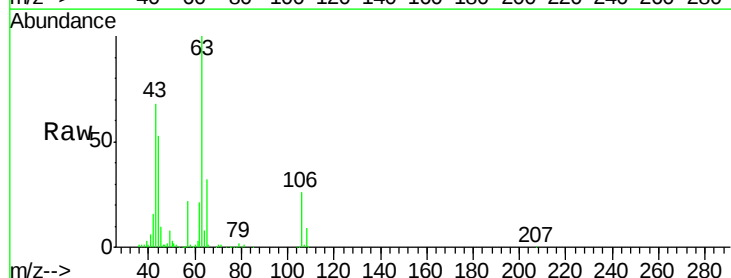
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0703SBS01

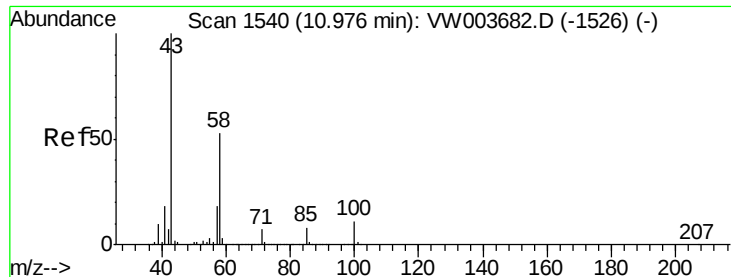
Tot Ion: 76 Resp: 69234
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.74 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW003691.D
 Acq: 03 Jul 2018 11:55

Tgt Ion: 63 Resp: 106122
 Ion Ratio Lower Upper
 63 100
 106 26.2 20.7 31.1

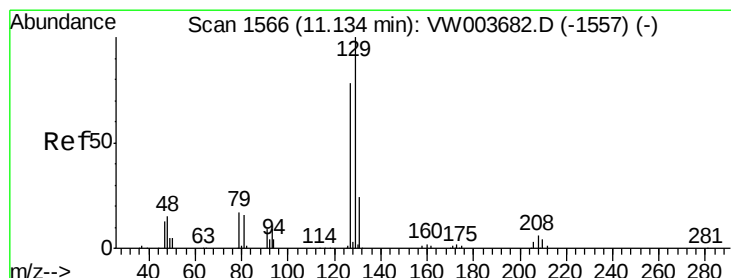
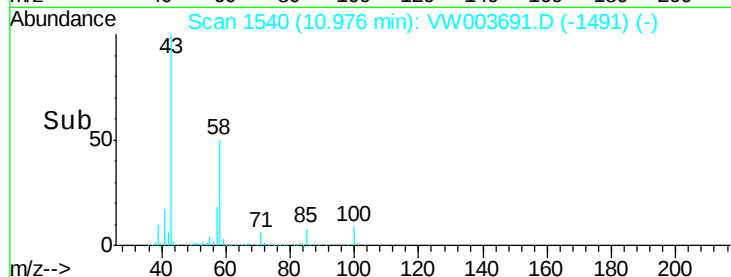
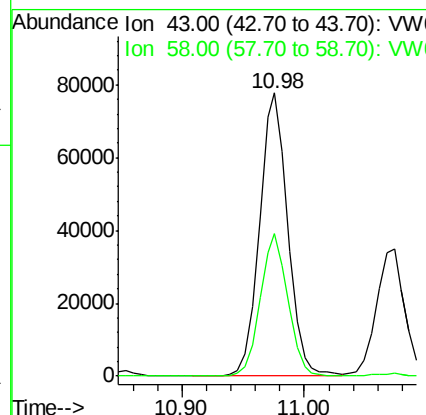
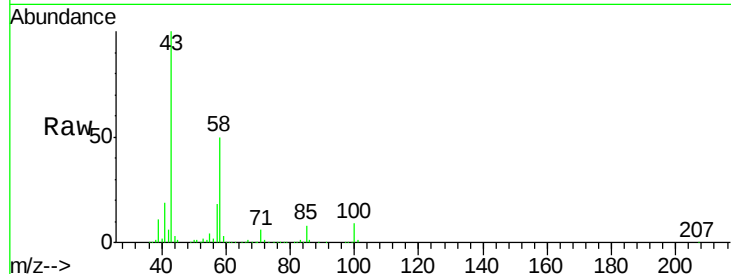




#59
2-Hexanone
Concen: 93.24 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003691.D
Acq: 03 Jul 2018 11:55

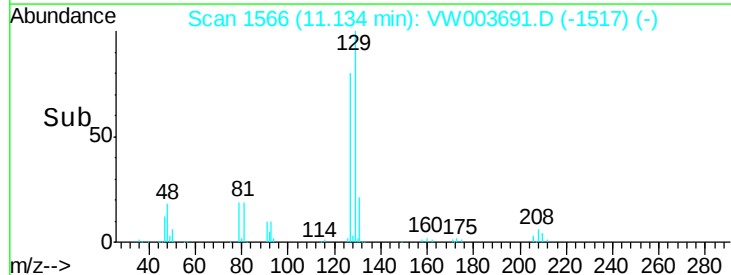
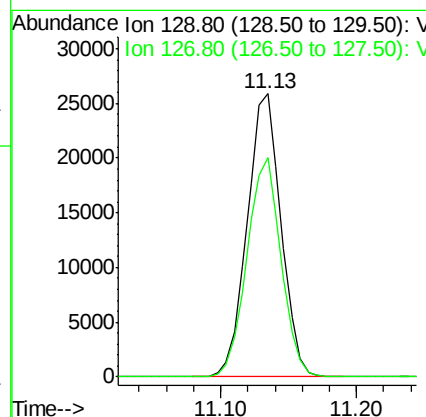
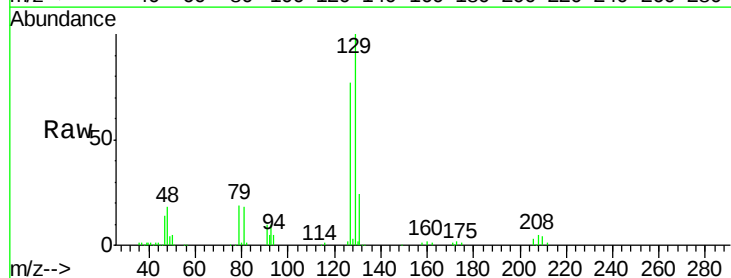
Instrument :
MSVOA_W
ClientSampleId :
VW0703SBSD01

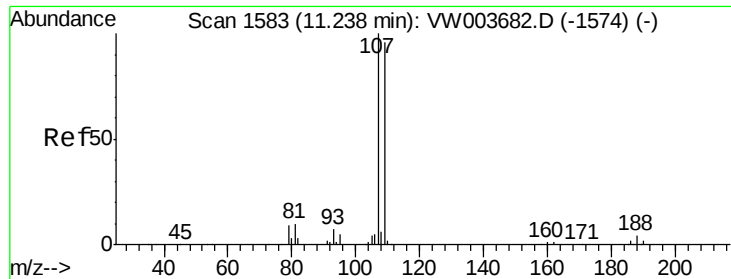
Tot Ion: 43 Resp: 125161
Ion Ratio Lower Upper
43 100
58 49.3 25.9 77.6



#60
Dibromochloromethane
Concen: 18.58 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003691.D
Acq: 03 Jul 2018 11:55

Tgt Ion:129 Resp: 45034
Ion Ratio Lower Upper
129 100
127 77.7 39.1 117.2

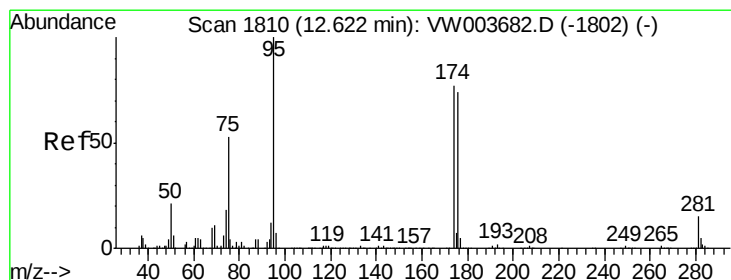
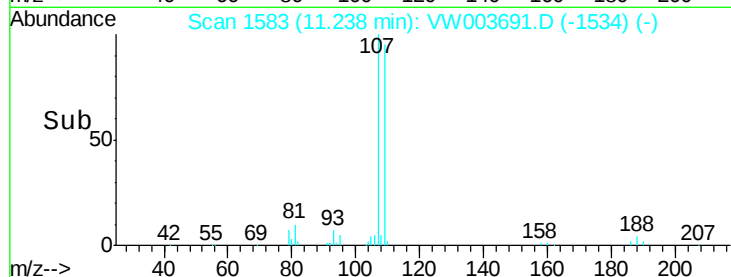
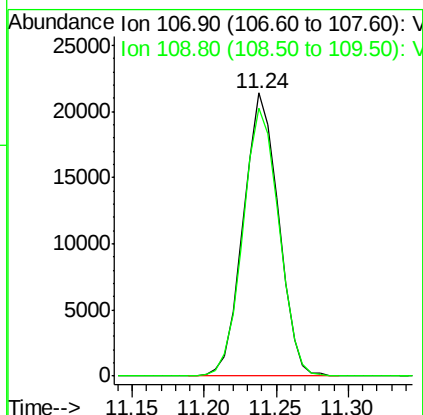
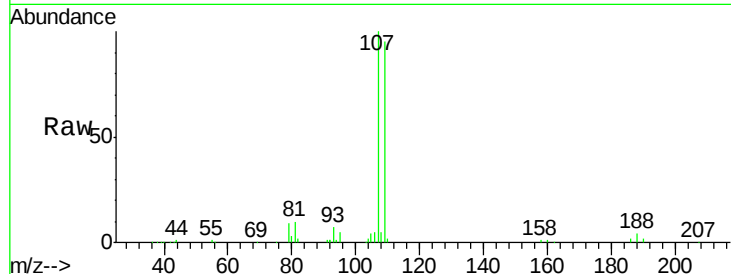




#61
 1,2-Dibromoethane
 Concen: 18.18 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW003691.D
 Acq: 03 Jul 2018 11:55

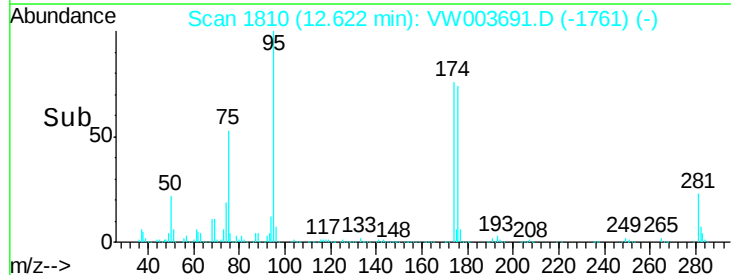
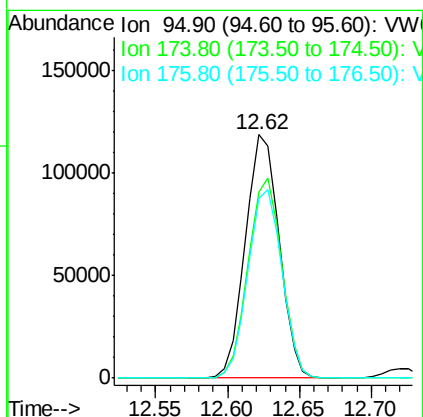
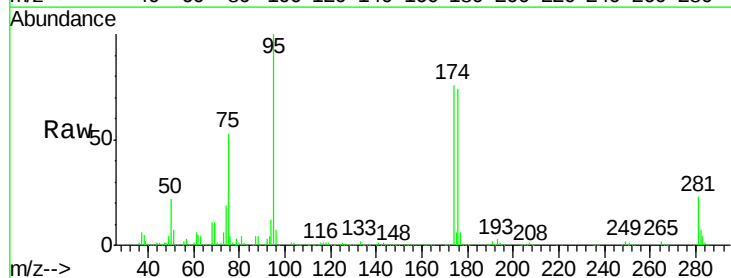
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0703SBSD01

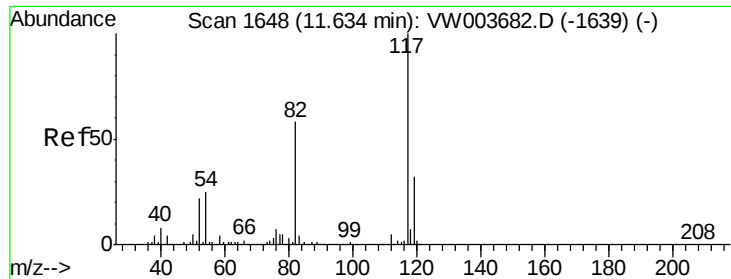
Tot Ion: 107 Resp: 36107
 Ion Ratio Lower Upper
 107 100
 109 96.9 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 54.18 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW003691.D
 Acq: 03 Jul 2018 11:55

Tgt Ion: 95 Resp: 192986
 Ion Ratio Lower Upper
 95 100
 174 81.8 0.0 161.2
 176 78.1 0.0 155.0

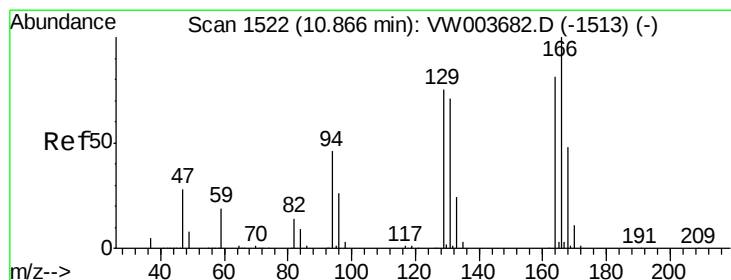
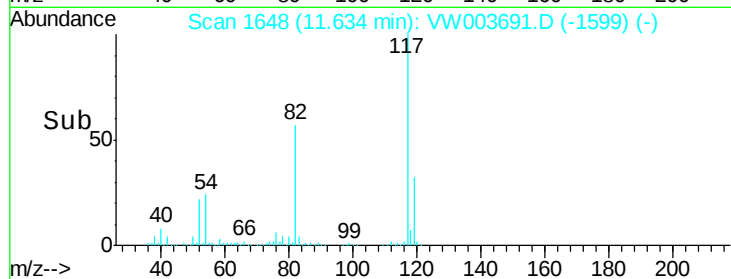
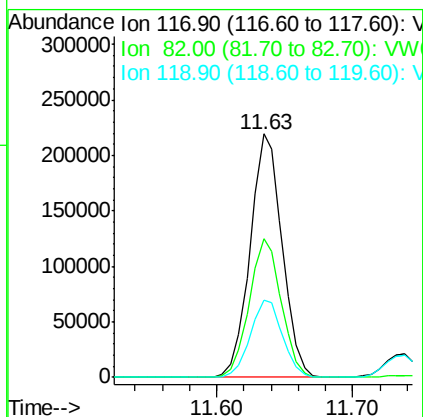
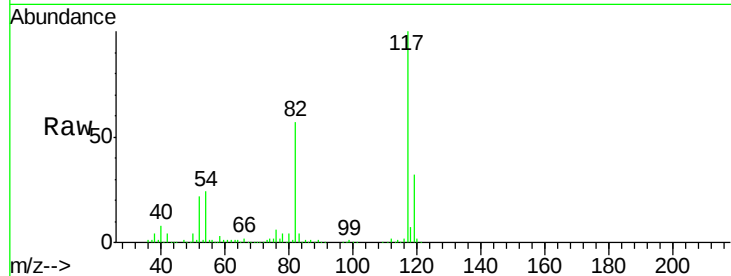




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003691.D
Acq: 03 Jul 2018 11:55

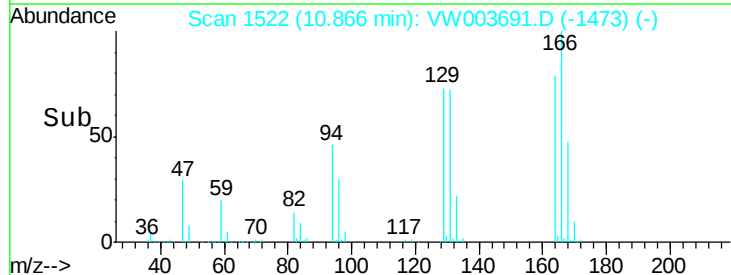
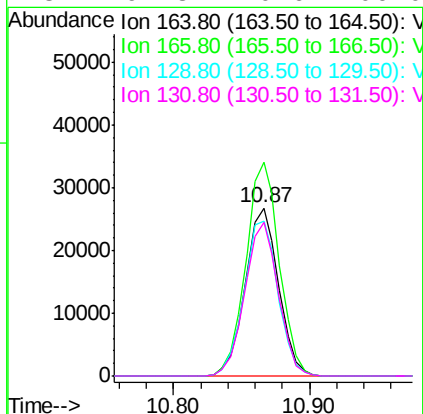
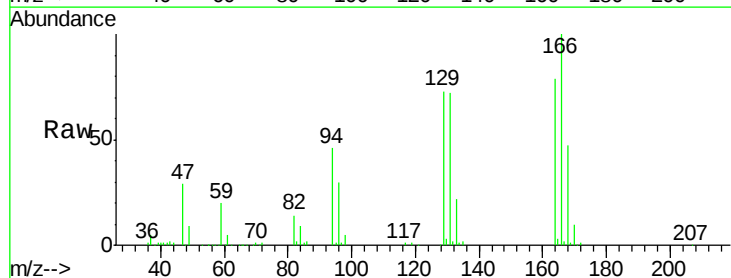
Instrument :
MSVOA_W
ClientSampleId :
VW0703SBSD01

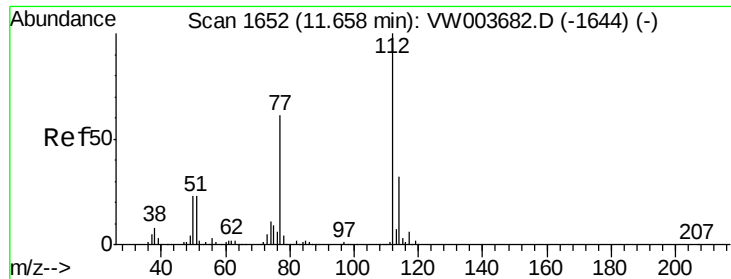
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	46.0	69.0
119	31.5	25.4	38.0



#64
Tetrachloroethene
Concen: 18.80 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003691.D
Acq: 03 Jul 2018 11:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	99.0	148.4
129	92.5	73.8	110.6
131	91.3	70.6	106.0





#65

Chlorobenzene

Concen: 19.14 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.01 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

Instrument :

MSVOA_W

ClientSampleId :

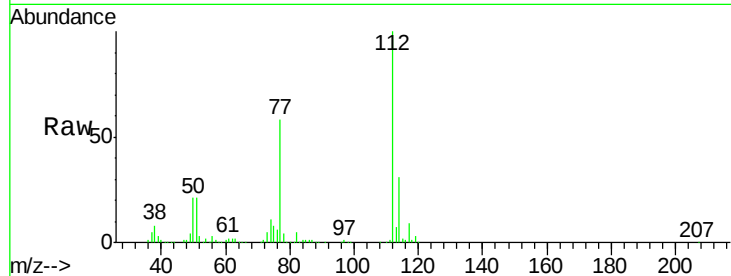
VW0703SBSD01

Tot Ion:112 Resp: 145407

Ion Ratio Lower Upper

112 100

114 31.5 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

80000

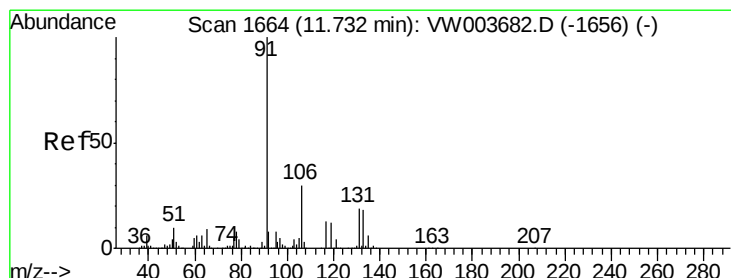
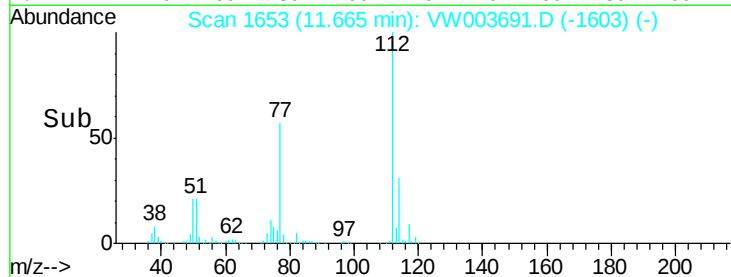
60000

40000

20000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.42 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.01 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

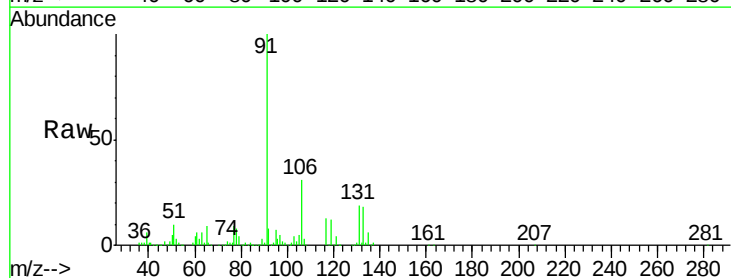
Tgt Ion:131 Resp: 51559

Ion Ratio Lower Upper

131 100

133 94.8 47.6 142.8

119 65.1 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

80000

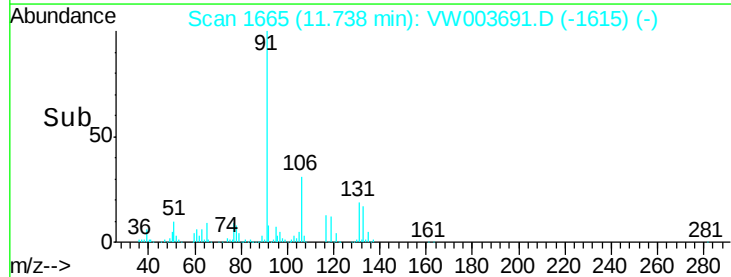
60000

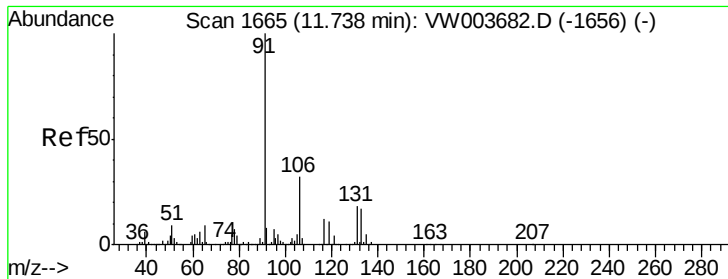
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 19.06 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

Instrument :

MSVOA_W

ClientSampleId :

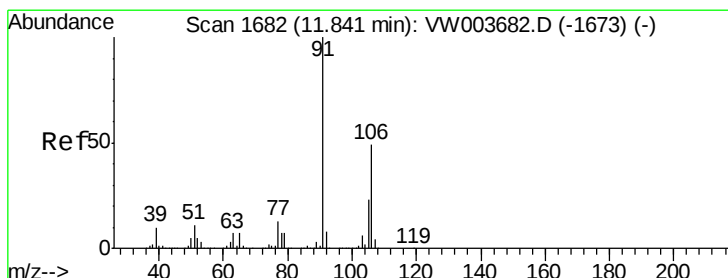
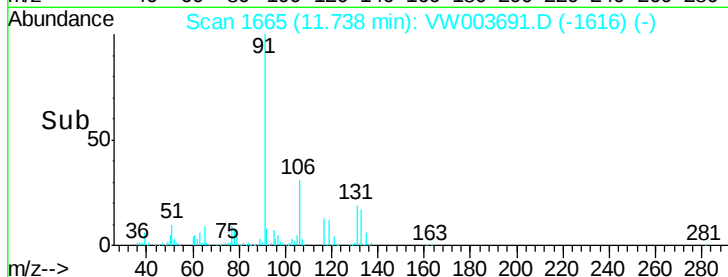
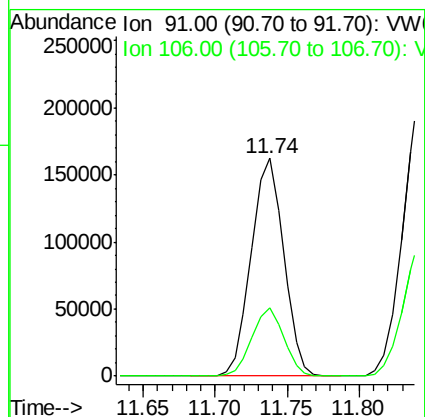
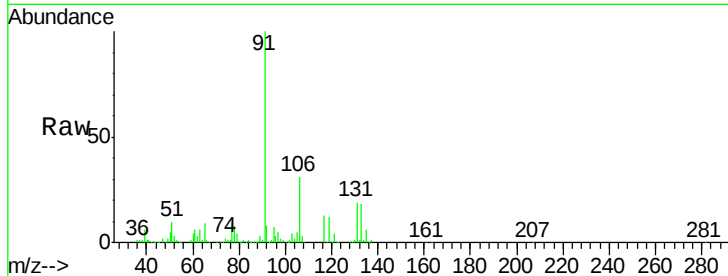
VW0703SBSD01

Tot Ion: 91 Resp: 253695

Ion Ratio Lower Upper

91 100

106 31.3 25.2 37.8



#68

m/p-Xylenes

Concen: 38.14 ug/l

RT: 11.85 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VW003691.D

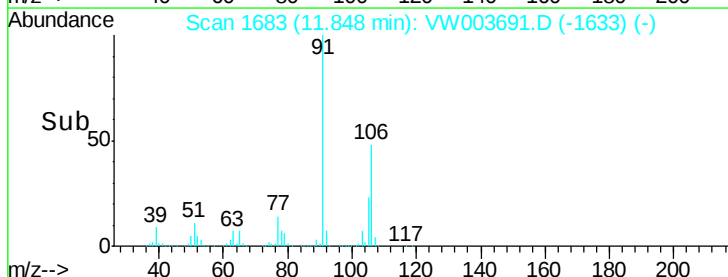
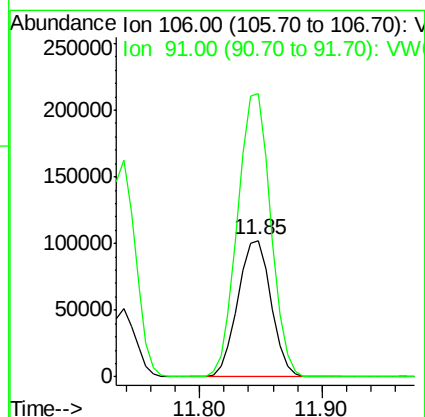
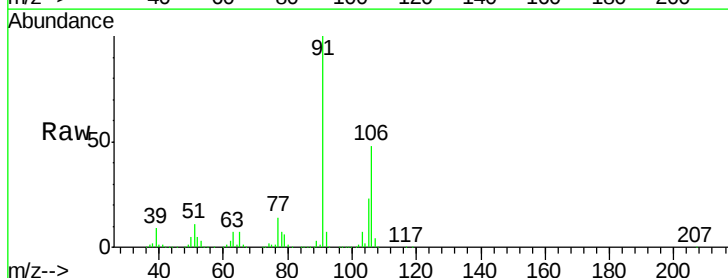
Acq: 03 Jul 2018 11:55

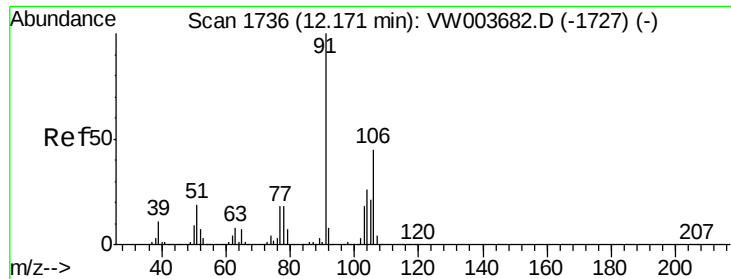
Tgt Ion: 106 Resp: 193090

Ion Ratio Lower Upper

106 100

91 207.1 163.7 245.5

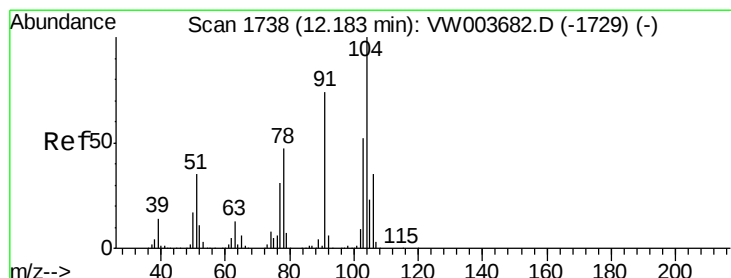
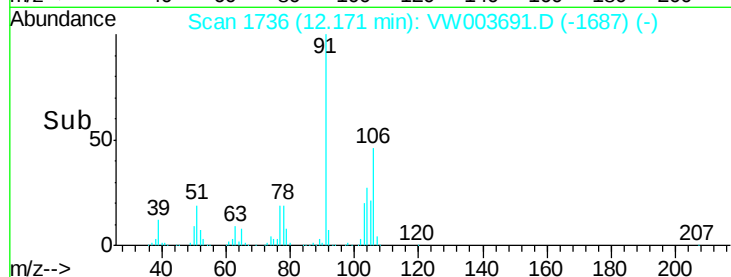
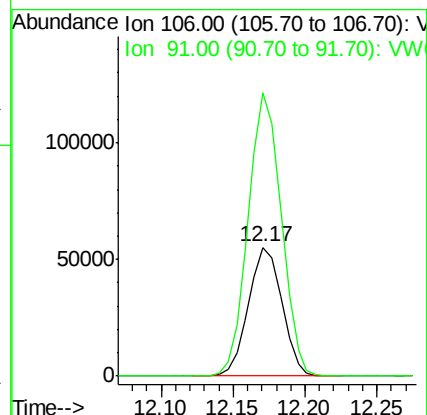
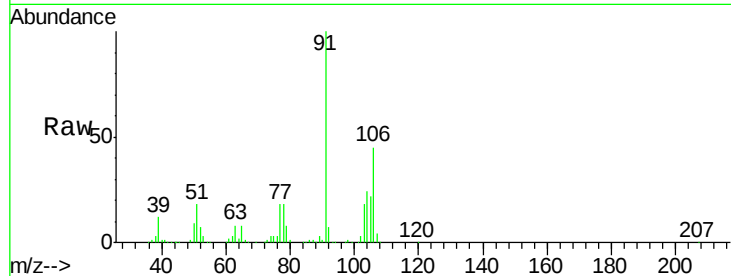




#69
o-Xylene
Concen: 18.94 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003691.D
Acq: 03 Jul 2018 11:55

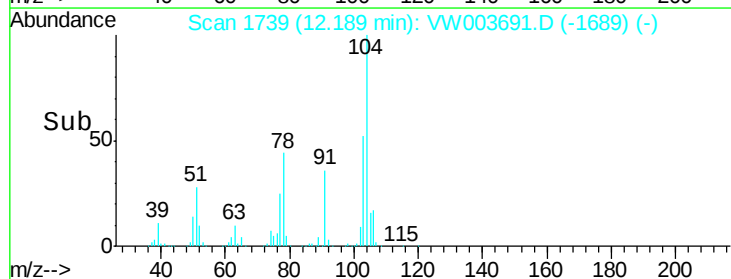
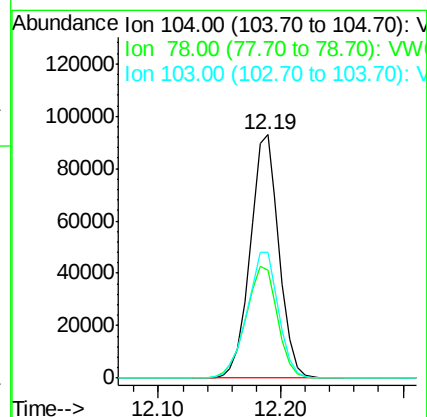
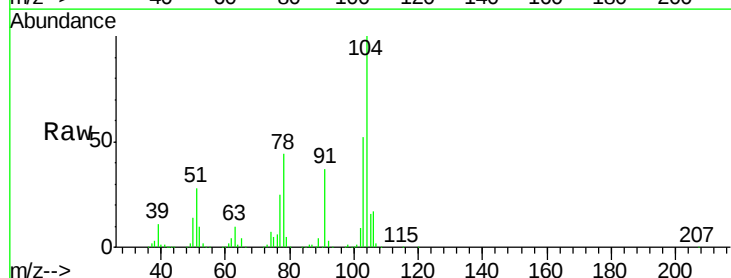
Instrument :
MSVOA_W
ClientSampleID :
VW0703SBSD01

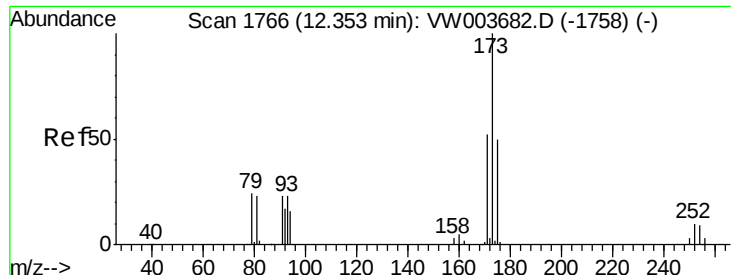
Tot Ion:106 Resp: 88652
Ion Ratio Lower Upper
106 100
91 218.8 109.3 327.8



#70
Styrene
Concen: 19.20 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW003691.D
Acq: 03 Jul 2018 11:55

Tgt Ion:104 Resp: 150945
Ion Ratio Lower Upper
104 100
78 51.1 40.2 60.4
103 56.7 44.4 66.6





#71

Bromoform

Concen: 18.09 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

Instrument :

MSVOA_W

ClientSampleId :

VW0703SBSD01

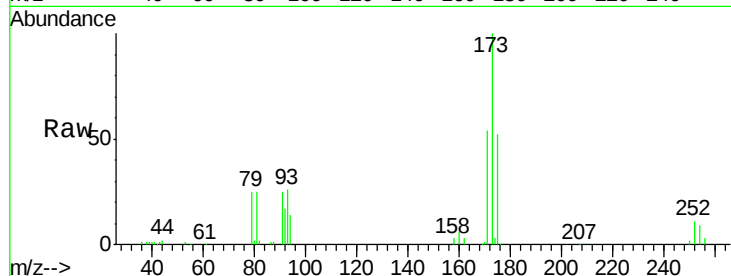
Tot Ion:173 Resp: 26687

Ion Ratio Lower Upper

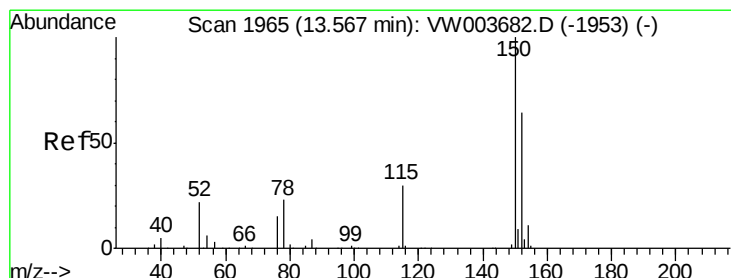
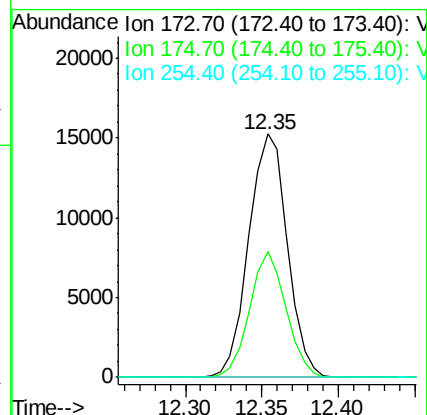
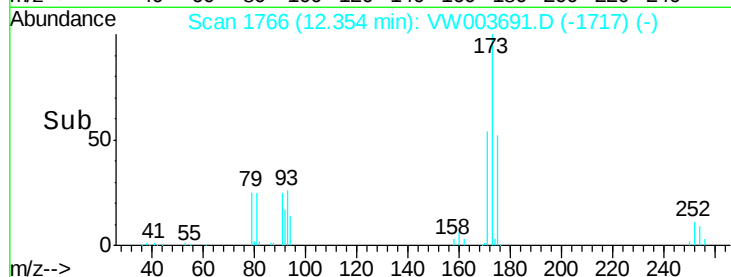
173 100

175 48.9 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: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

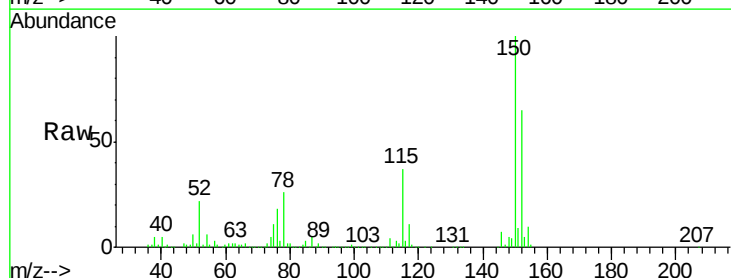
Tgt Ion:152 Resp: 190485

Ion Ratio Lower Upper

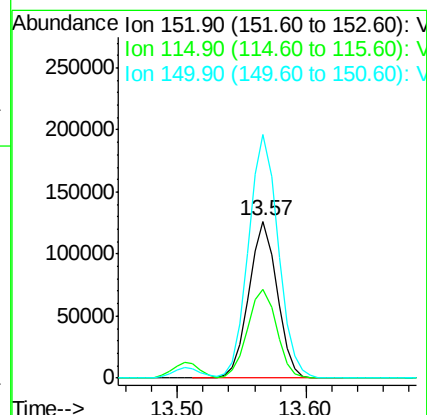
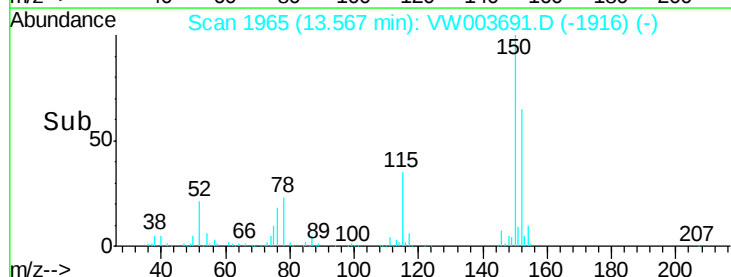
152 100

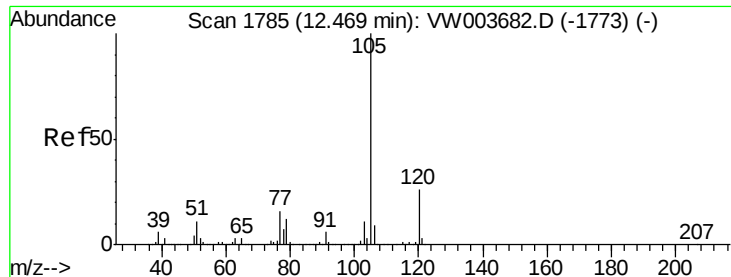
115 58.7 29.3 88.0

150 163.9 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: 19.37 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

Instrument :

MSVOA_W

ClientSampleId :

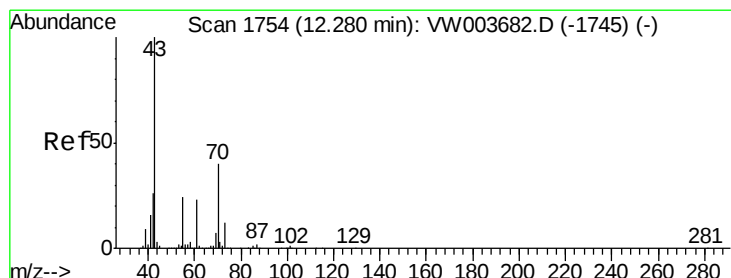
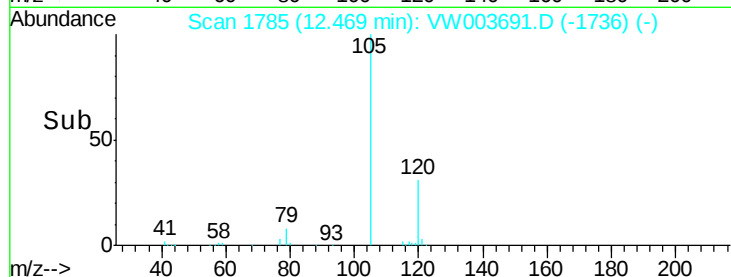
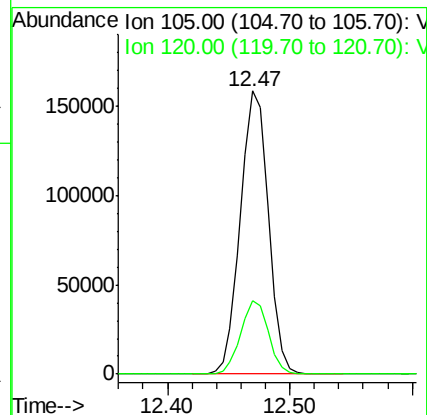
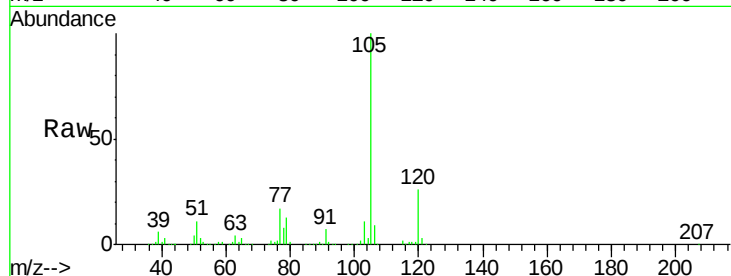
VW0703SBS01

Tot Ion:105 Resp: 250970

Ion Ratio Lower Upper

105 100

120 25.7 13.1 39.3



#74

N-ethyl acetate

Concen: 18.05 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

Tgt Ion: 43 Resp: 61770

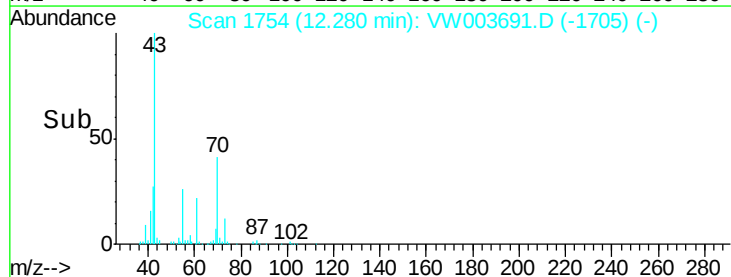
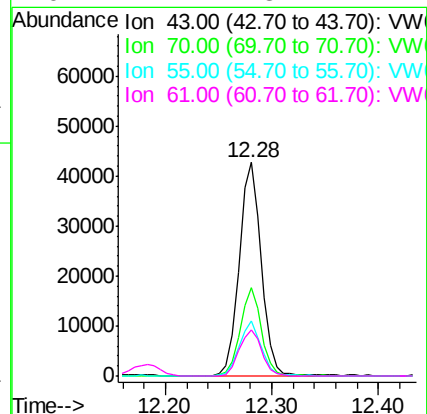
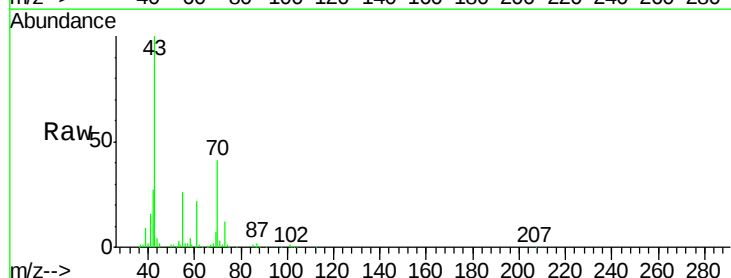
Ion Ratio Lower Upper

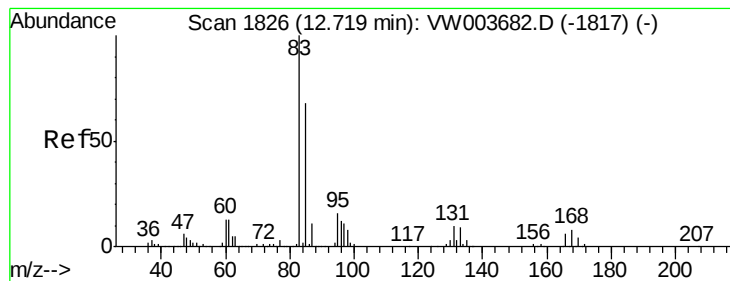
43 100

70 39.8 31.3 46.9

55 26.0 20.1 30.1

61 22.2 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 18.62 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

Instrument :

MSVOA_W

ClientSampleId :

VW0703SBSD01

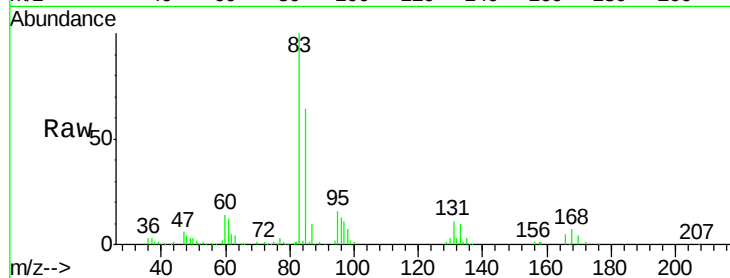
Tot Ion: 83 Resp: 47197

Ion Ratio Lower Upper

83 100

131 10.9 5.3 15.9

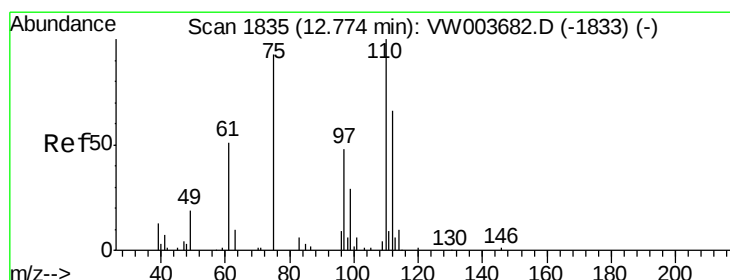
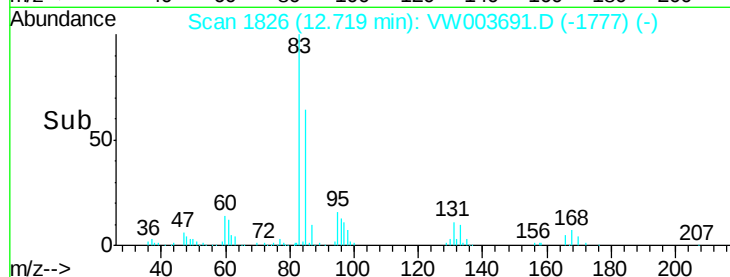
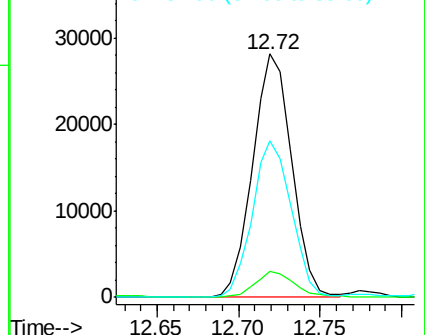
85 64.1 31.9 95.9



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: 36.78 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003691.D

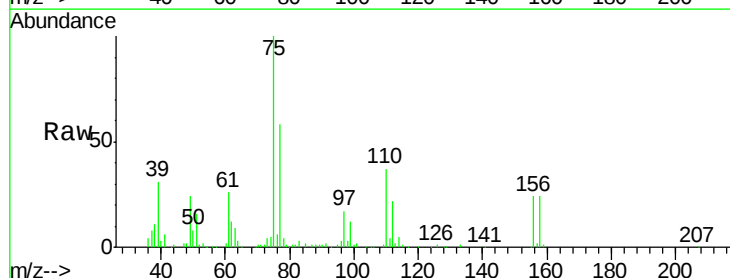
Acq: 03 Jul 2018 11:55

Tgt Ion: 75 Resp: 62991

Ion Ratio Lower Upper

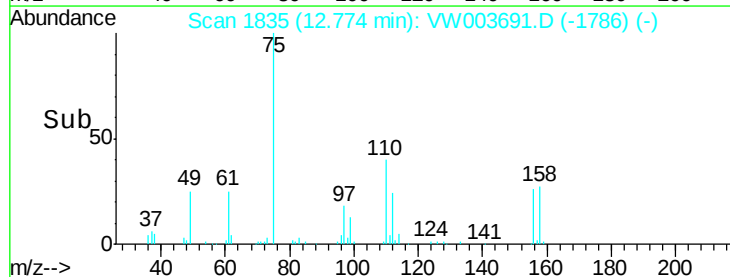
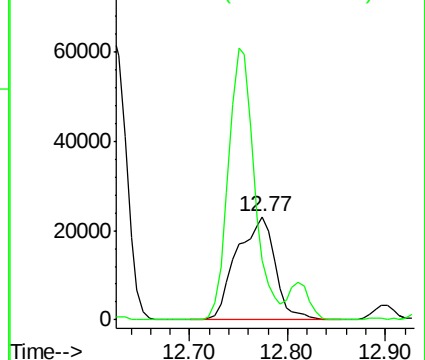
75 100

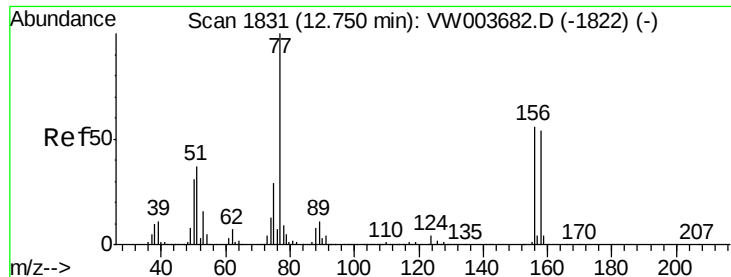
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.33 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

Instrument :

MSVOA_W

ClientSampleId :

VW0703SBSD01

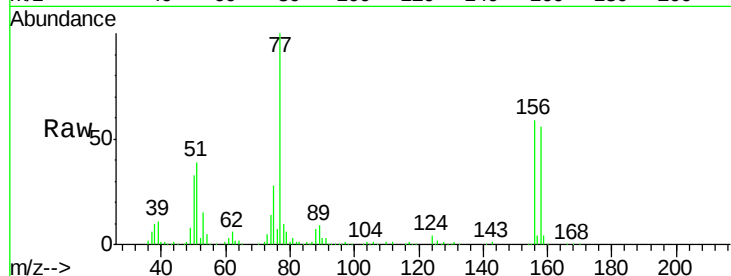
Tot Ion:156 Resp: 60097

Ion Ratio Lower Upper

156 100

77 188.7 95.8 287.4

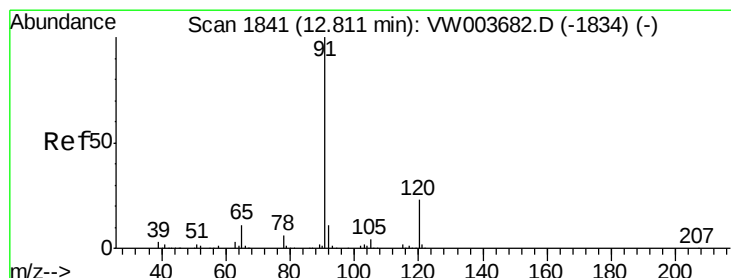
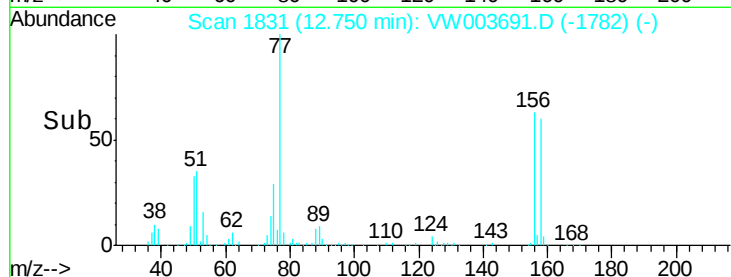
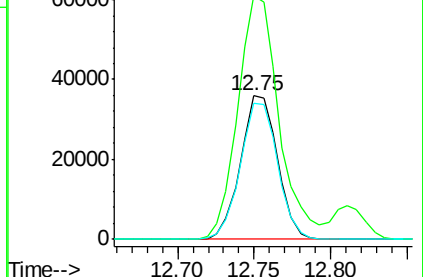
158 96.5 48.2 144.6



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: 19.73 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003691.D

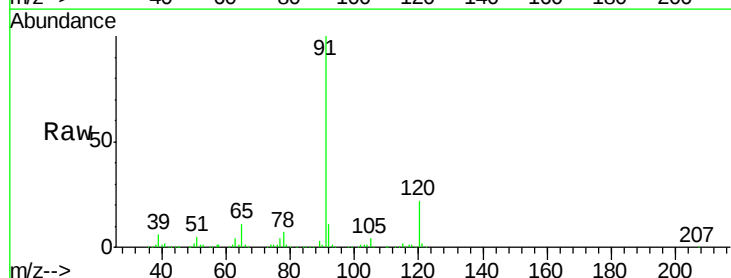
Acq: 03 Jul 2018 11:55

Tgt Ion: 91 Resp: 315788

Ion Ratio Lower Upper

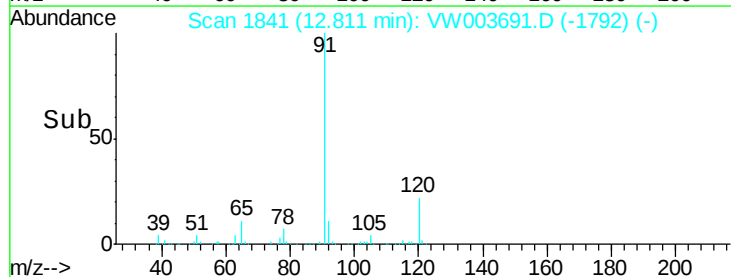
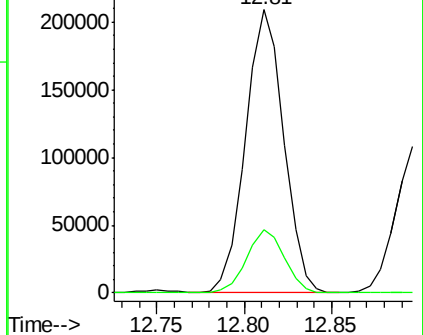
91 100

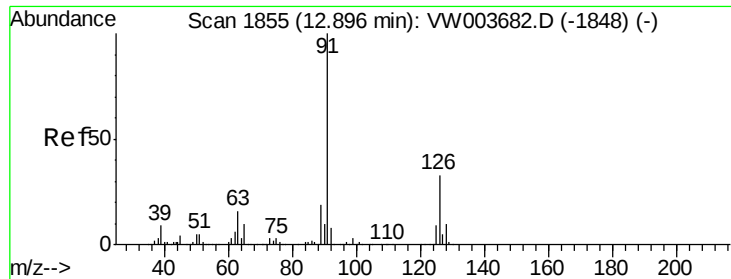
120 22.2 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.25 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

Instrument :

MSVOA_W

ClientSampleId :

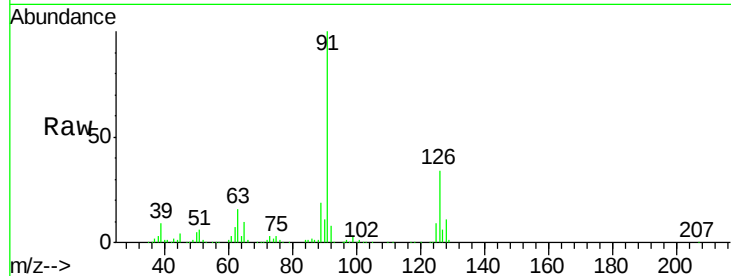
VW0703SBSD01

Tot Ion: 91 Resp: 175370

Ion Ratio Lower Upper

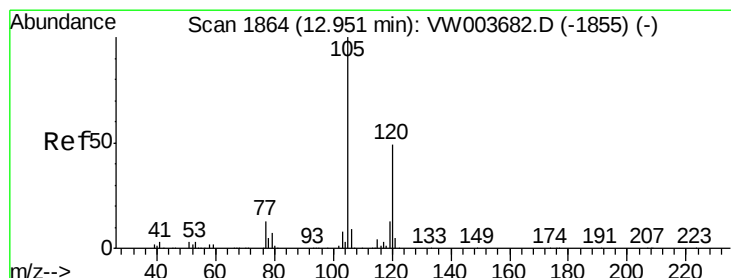
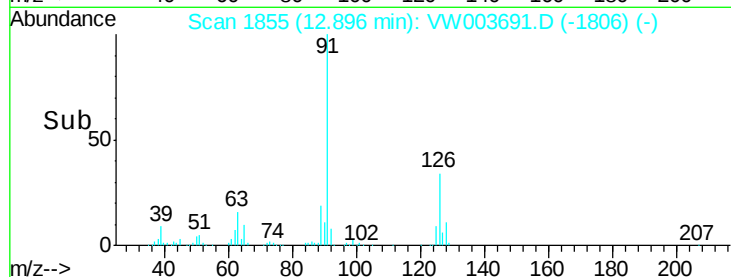
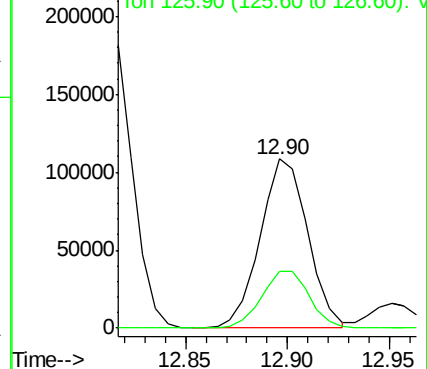
91 100

126 34.2 16.4 49.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.75 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW003691.D

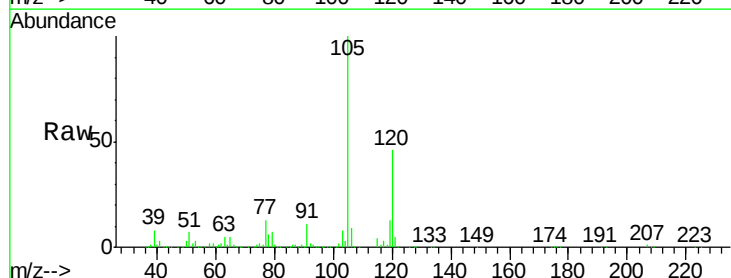
Acq: 03 Jul 2018 11:55

Tgt Ion:105 Resp: 216459

Ion Ratio Lower Upper

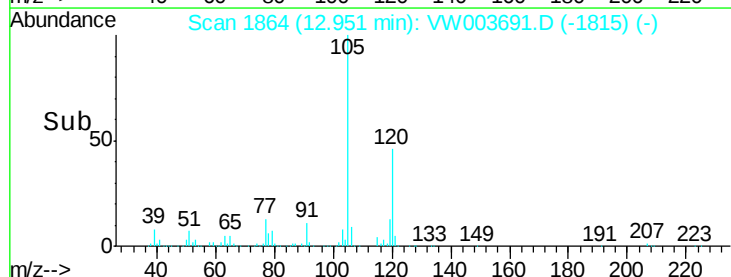
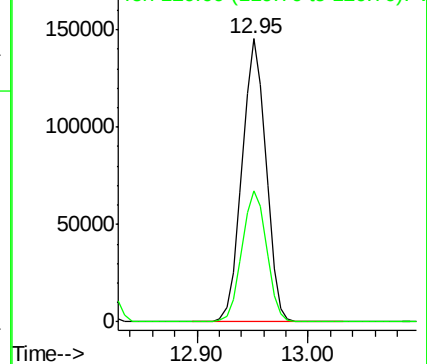
105 100

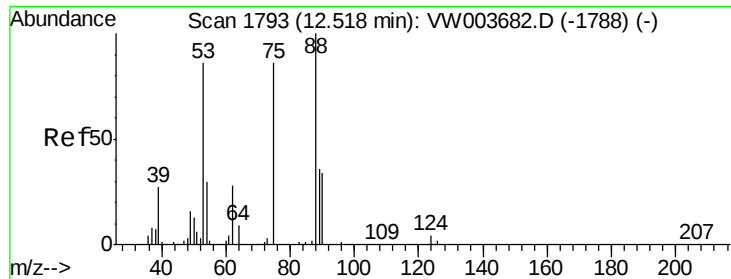
120 47.7 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.66 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

Instrument :

MSVOA_W

ClientSampleId :

VW0703SBSD01

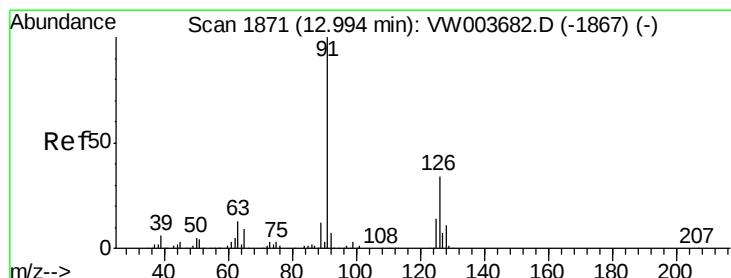
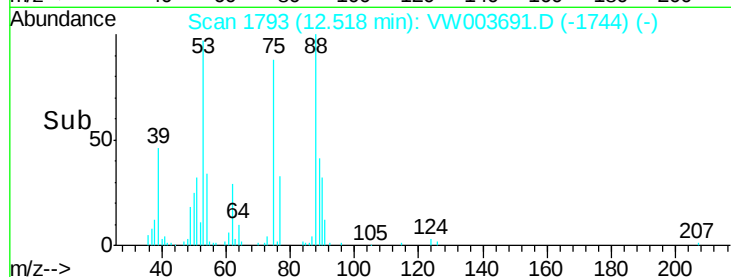
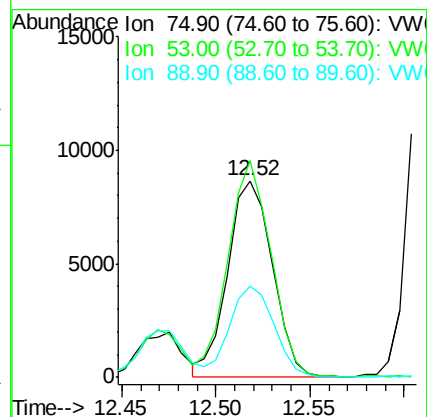
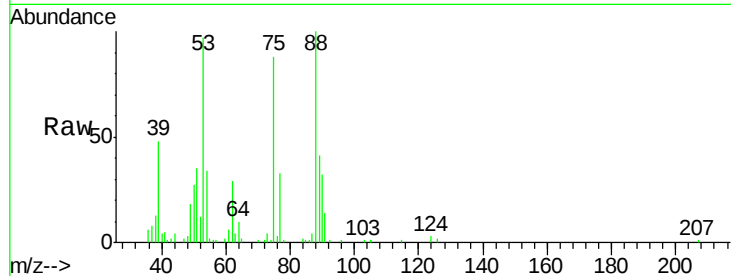
Tot Ion: 75 Resp: 14273

Ion Ratio Lower Upper

75 100

53 106.5 82.4 123.6

89 45.7 35.9 53.9



#82

4-Chlorotoluene

Concen: 19.43 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VW003691.D

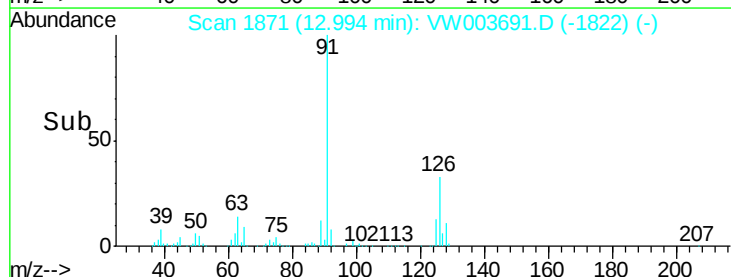
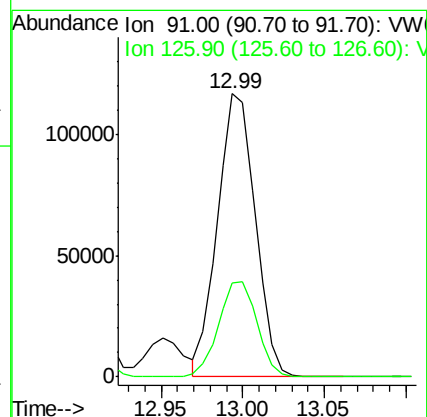
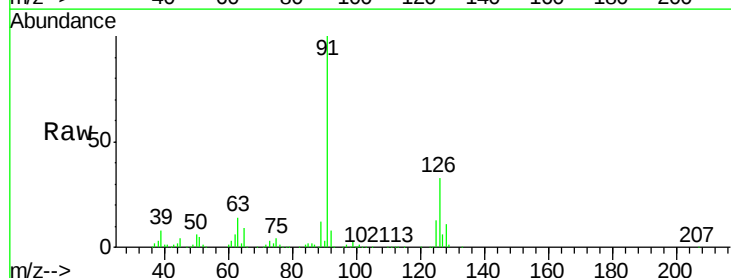
Acq: 03 Jul 2018 11:55

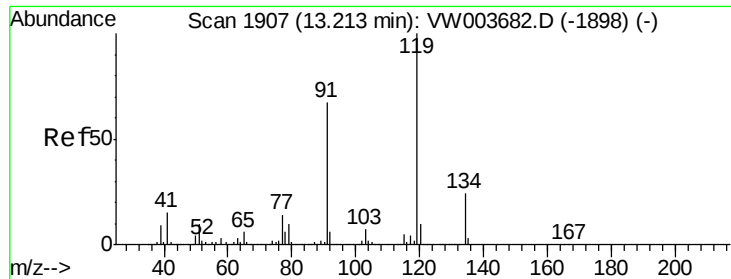
Tgt Ion: 91 Resp: 187903

Ion Ratio Lower Upper

91 100

126 34.5 17.0 50.9

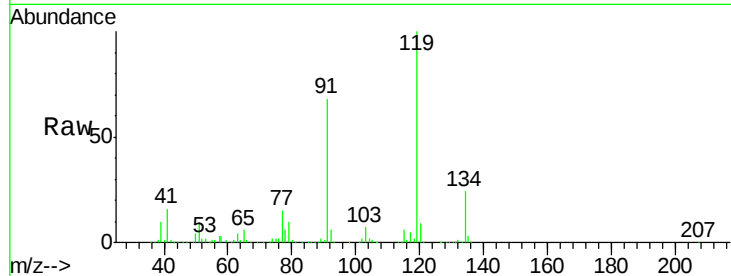




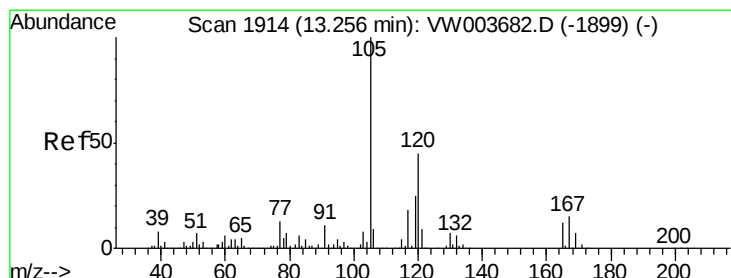
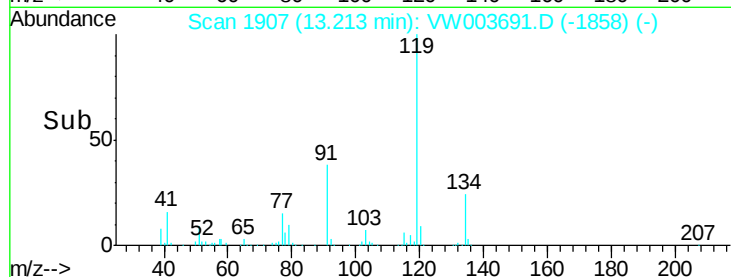
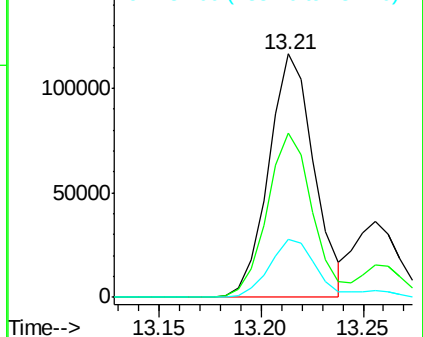
#83
 tert-Butylbenzene
 Concen: 19.52 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW003691.D
 Acq: 03 Jul 2018 11:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0703SBS01

Tot Ion:119 Resp: 180443
 Ion Ratio Lower Upper
 119 100
 91 68.3 33.8 101.3
 134 24.4 13.1 39.1

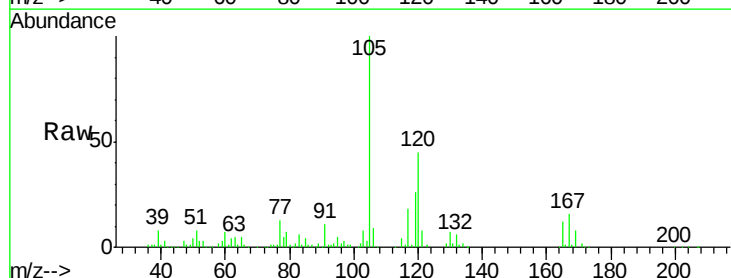


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

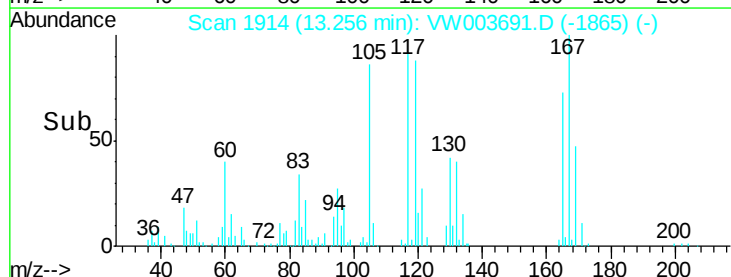
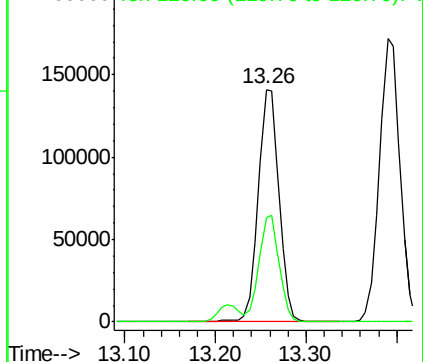


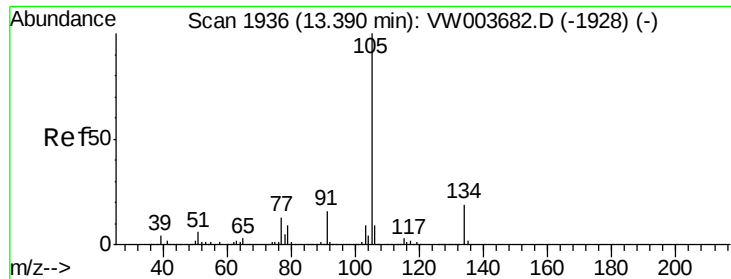
#84
 1,2,4-Trimethylbenzene
 Concen: 19.88 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VW003691.D
 Acq: 03 Jul 2018 11:55

Tgt Ion:105 Resp: 224374
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

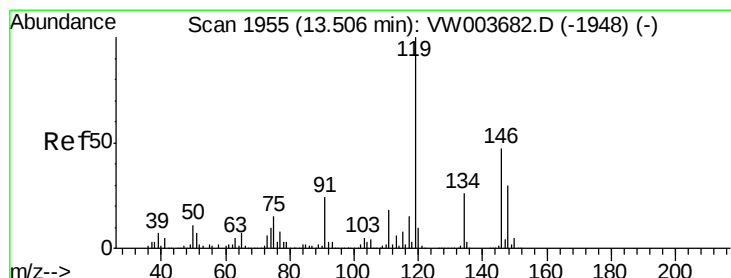
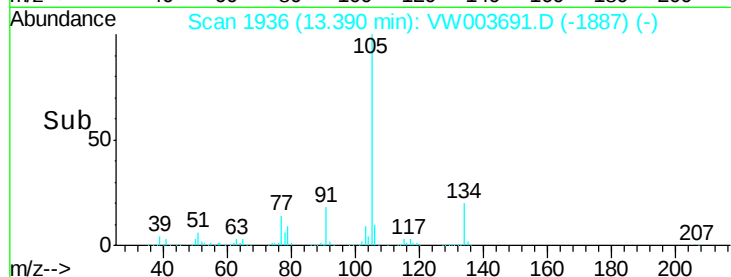
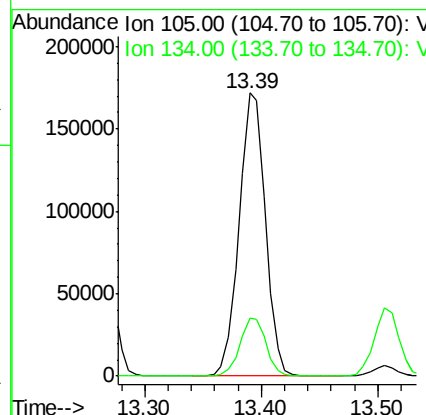
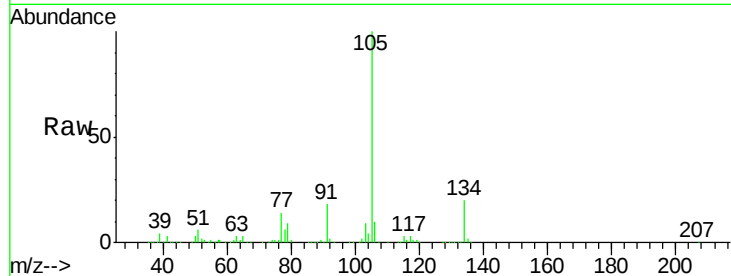




#85
 sec-Butylbenzene
 Concen: 19.62 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW003691.D
 Acq: 03 Jul 2018 11:55

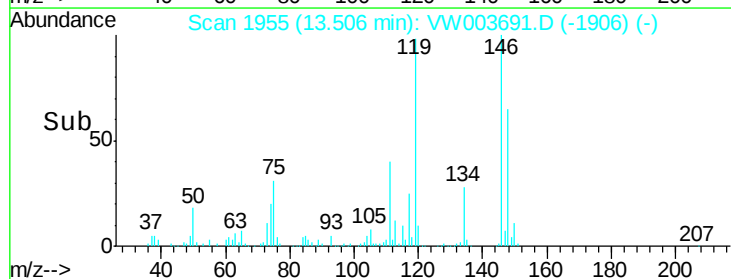
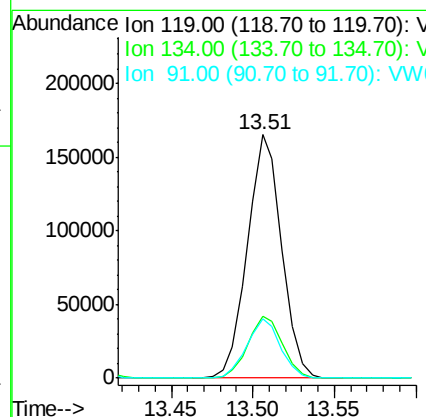
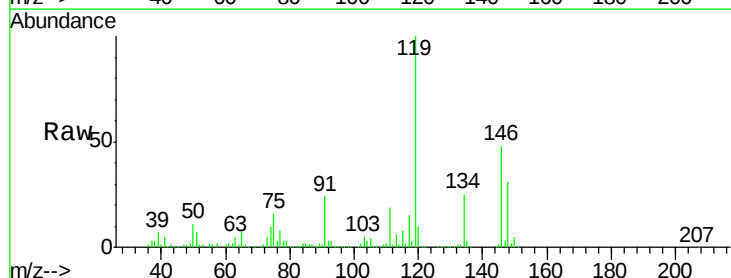
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0703SBS01

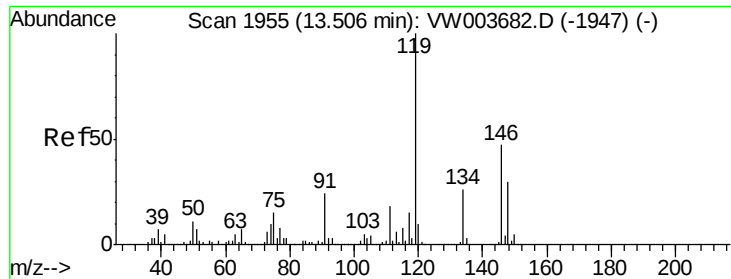
Tot Ion:105 Resp: 270006
 Ion Ratio Lower Upper
 105 100
 134 20.2 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 19.93 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003691.D
 Acq: 03 Jul 2018 11:55

Tgt Ion:119 Resp: 239892
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.0 38.9
 91 23.9 11.8 35.4

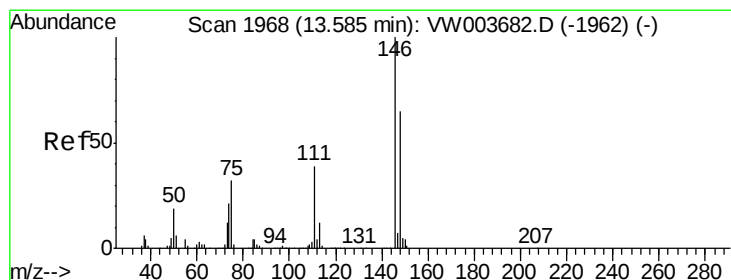
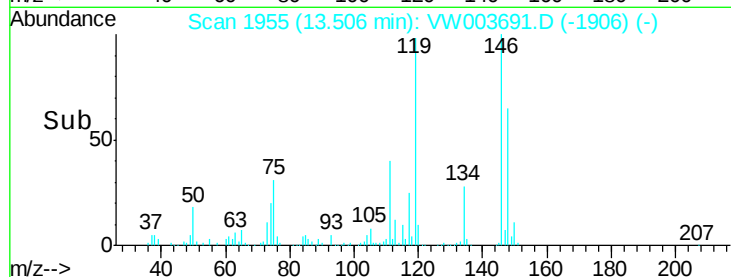
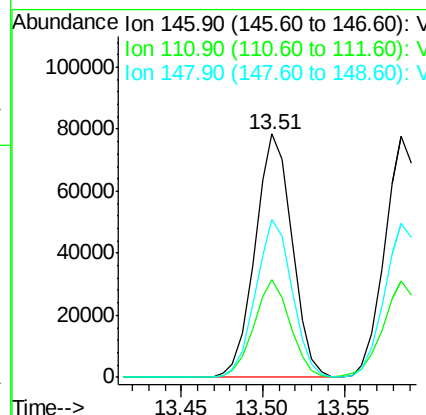
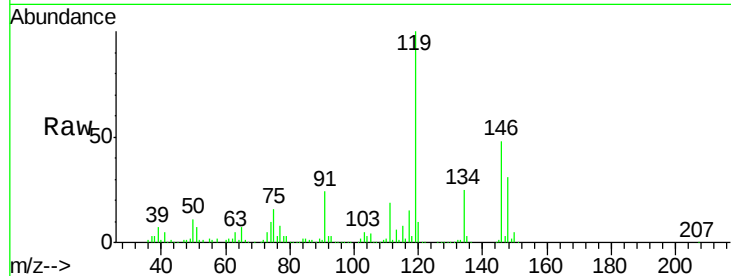




#87
 1,3-Dichlorobenzene
 Concen: 19.60 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003691.D
 Acq: 03 Jul 2018 11:55

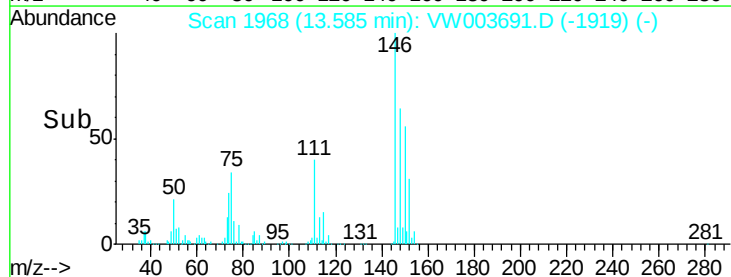
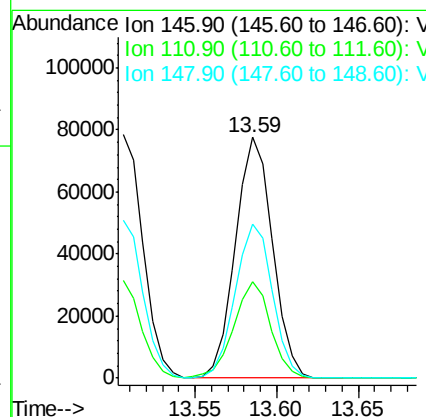
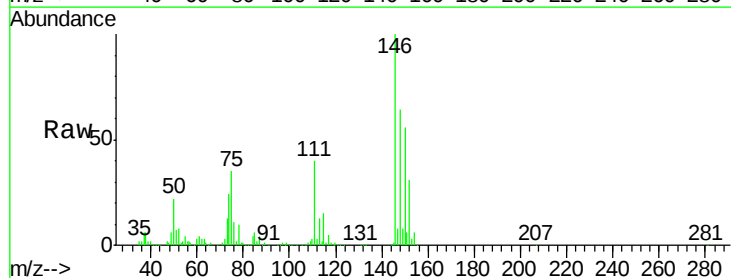
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0703SBSD01

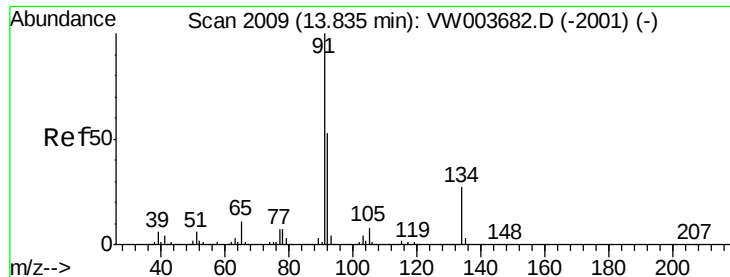
Tot Ion:146 Resp: 123710
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.9 59.7
 148 64.0 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 19.52 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003691.D
 Acq: 03 Jul 2018 11:55

Tgt Ion:146 Resp: 123130
 Ion Ratio Lower Upper
 146 100
 111 39.8 19.3 57.9
 148 64.2 32.3 96.9





#89

n-Butylbenzene

Concen: 19.93 ug/l

RT: 13.84 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

Instrument :

MSVOA_W

ClientSampleId :

VW0703SBSD01

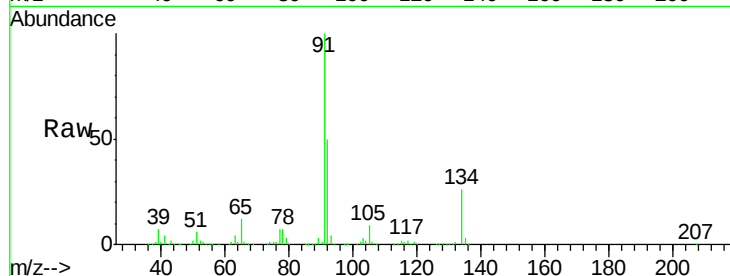
Tot Ion: 91 Resp: 237107

Ion Ratio Lower Upper

91 100

92 51.1 26.4 79.2

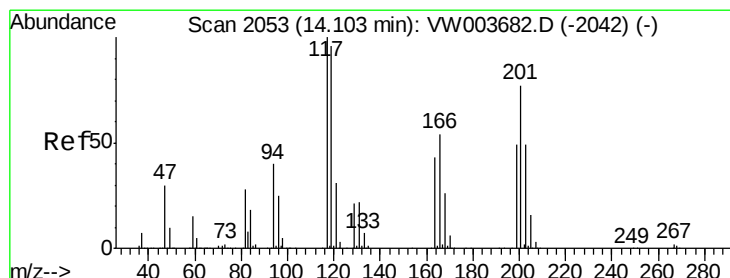
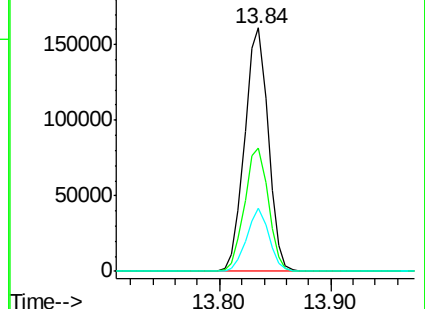
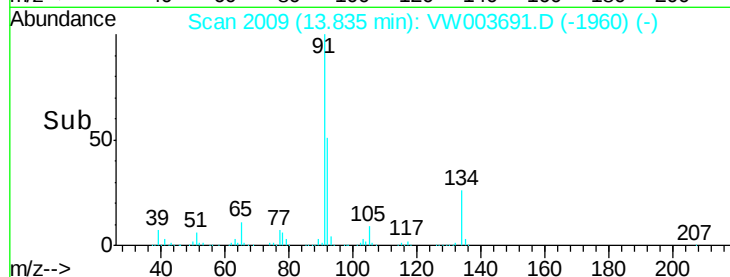
134 24.6 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.57 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW003691.D

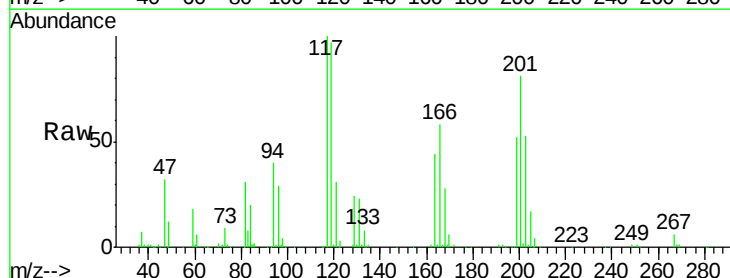
Acq: 03 Jul 2018 11:55

Tgt Ion: 117 Resp: 43761

Ion Ratio Lower Upper

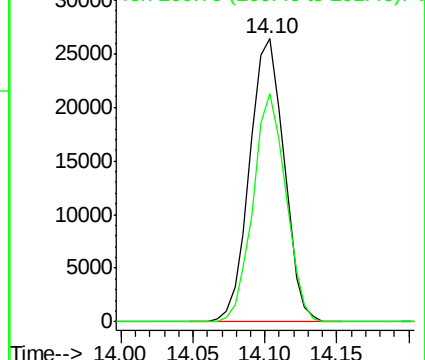
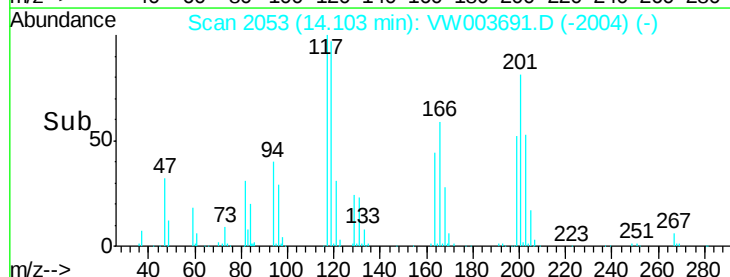
117 100

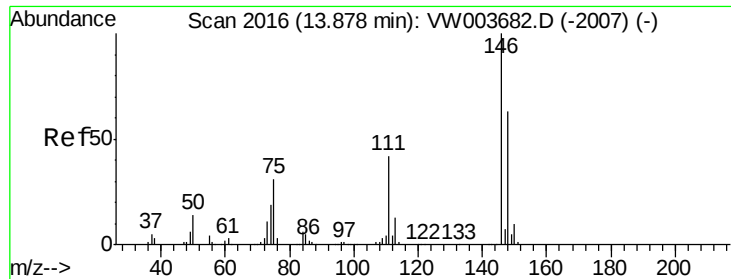
201 76.6 39.1 117.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 19.47 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

Instrument :

MSVOA_W

ClientSampleId :

VW0703SBS01

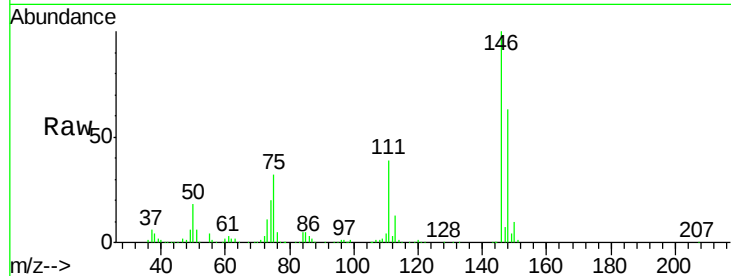
Tot Ion:146 Resp: 109884

Ion Ratio Lower Upper

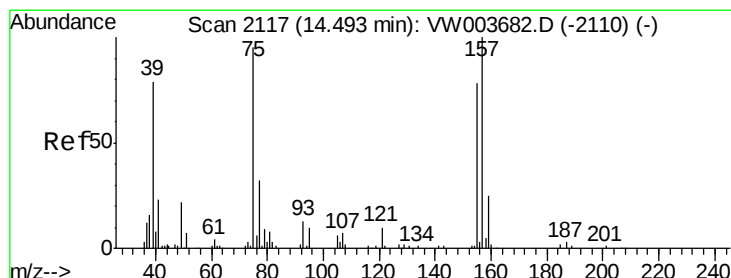
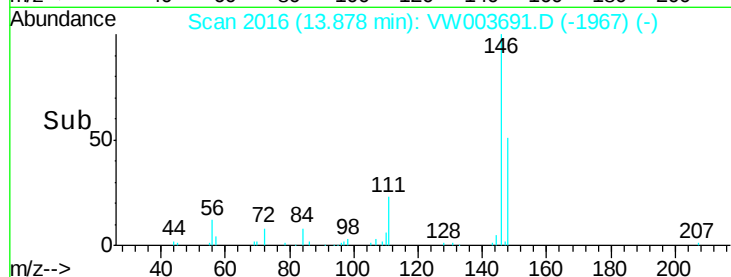
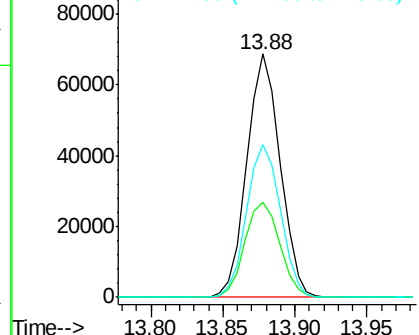
146 100

111 41.0 20.6 61.9

148 64.0 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.17 ug/l

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

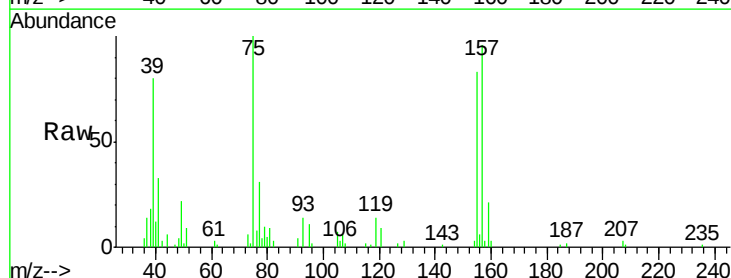
Tgt Ion: 75 Resp: 8024

Ion Ratio Lower Upper

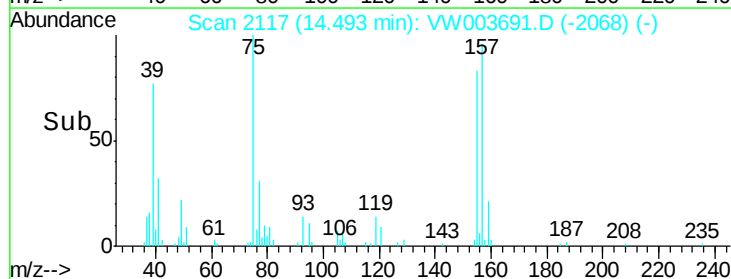
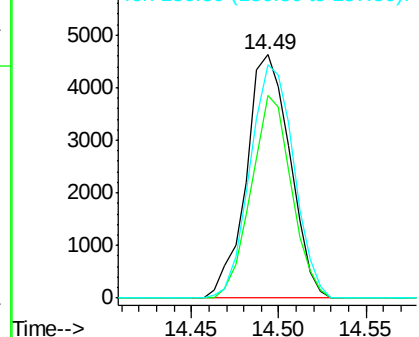
75 100

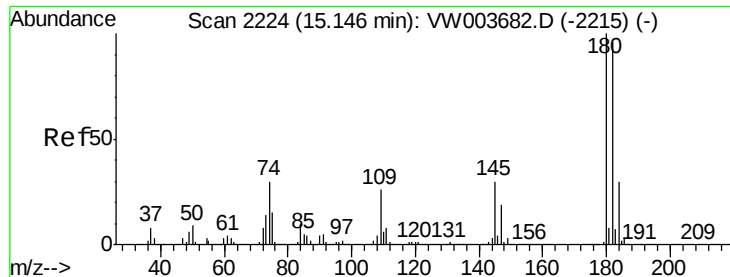
155 76.7 40.2 120.6

157 96.1 50.7 152.3



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

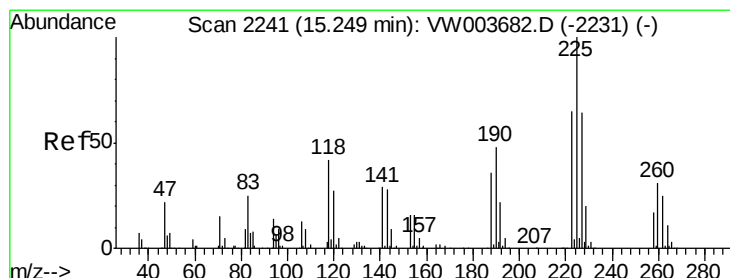
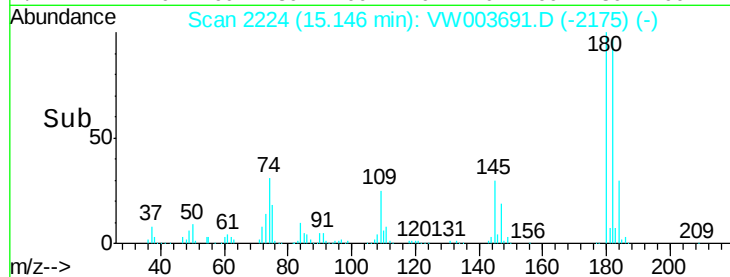
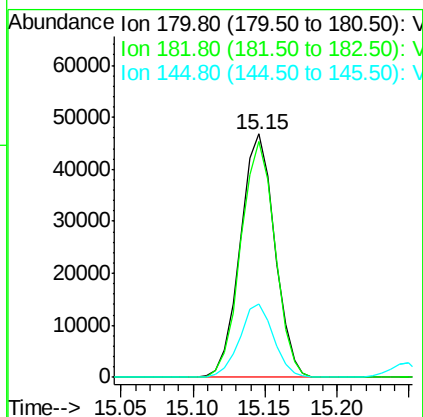
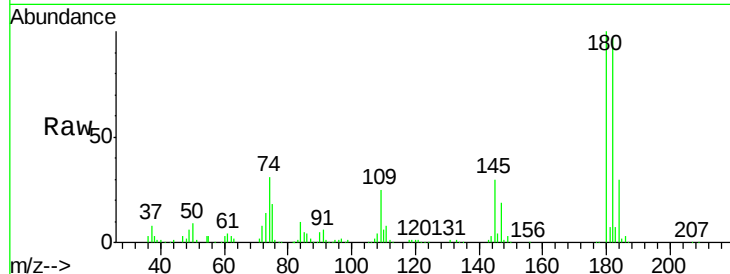




#93
 1,2,4-Trichlorobenzene
 Concen: 19.47 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003691.D
 Acq: 03 Jul 2018 11:55

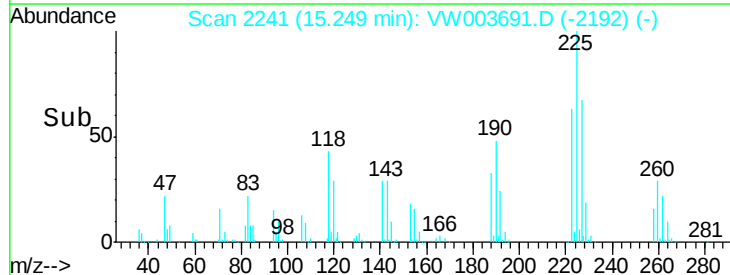
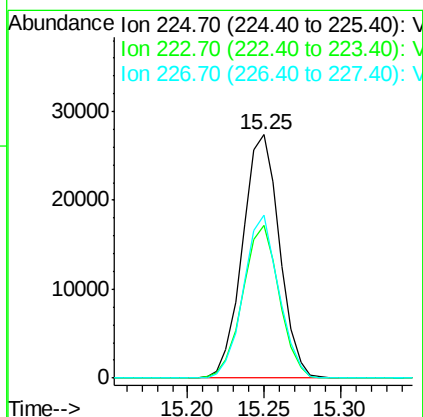
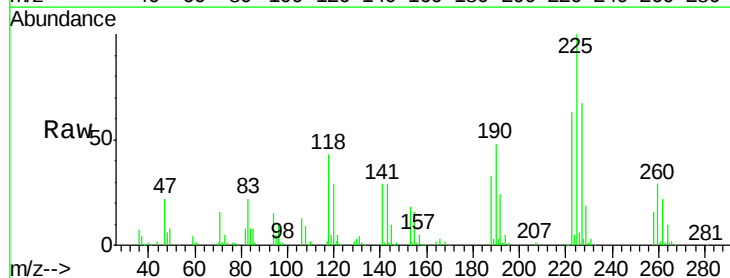
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0703SBSD01

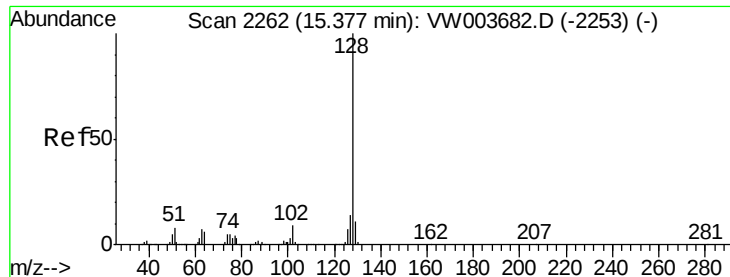
Tot Ion:180 Resp: 77472
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.6 142.8
 145 29.7 14.9 44.5



#94
 Hexachlorobutadiene
 Concen: 20.00 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW003691.D
 Acq: 03 Jul 2018 11:55

Tgt Ion:225 Resp: 45961
 Ion Ratio Lower Upper
 225 100
 223 61.8 32.0 96.2
 227 63.8 31.9 95.7





#95

Naphthalene

Concen: 18.28 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

Instrument :

MSVOA_W

ClientSampleId :

VW0703SBS01

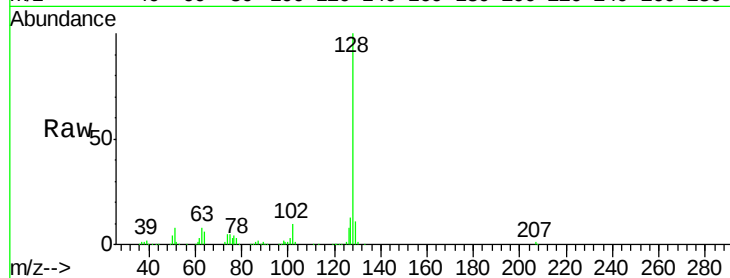
Tot Ion:128 Resp: 131897

Ion Ratio Lower Upper

128 100

127 13.4 10.6 15.8

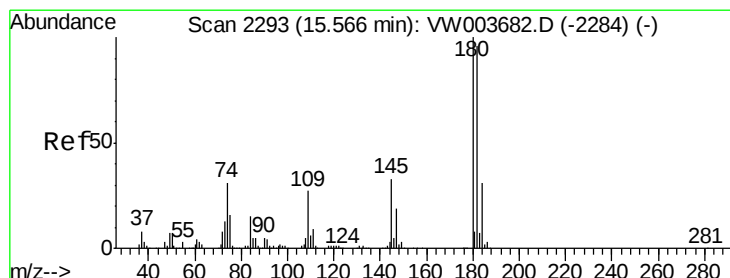
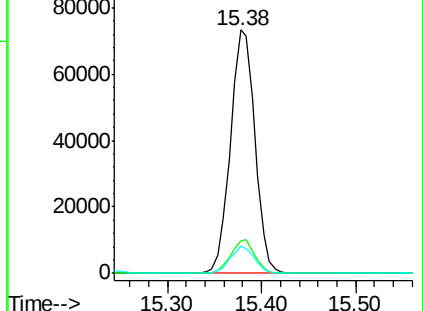
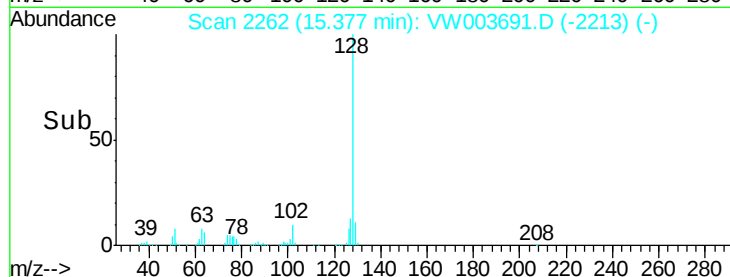
129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.22 ug/l

RT: 15.57 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VW003691.D

Acq: 03 Jul 2018 11:55

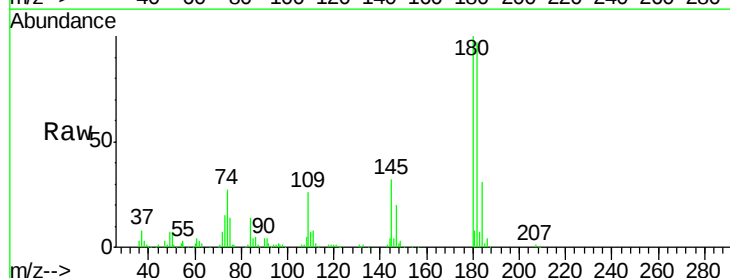
Tgt Ion:180 Resp: 68115

Ion Ratio Lower Upper

180 100

182 95.9 47.8 143.3

145 31.6 15.9 47.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

