

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW070218\
 Data File : VW003679.D
 Acq On : 02 Jul 2018 16:32
 Operator : SY/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 03 02:27:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 02:27:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	236284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	382975	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	352969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	184536	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	13987	5.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.70%	
35) Dibromofluoromethane	7.88	113	12105	5.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.02%	
50) Toluene-d8	10.33	98	45269	4.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.46%	
62) 4-Bromofluorobenzene	12.62	95	16229	4.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.54%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.00	85	4481	5.657 ug/l	89
3) Chloromethane	2.20	50	10696	5.809 ug/l	95
4) Vinyl Chloride	2.36	62	14793	5.556 ug/l	96
5) Bromomethane	2.78	94	8980	5.107 ug/l	98
6) Chloroethane	2.92	64	8295	4.580 ug/l	93
7) Trichlorofluoromethane	3.25	101	7831	5.049 ug/l	93
8) Diethyl Ether	3.67	74	6795	5.762 ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.06	101	11955	5.384 ug/l	98
10) Methyl Iodide	4.26	142	17319	5.170 ug/l	100
11) Tert butyl alcohol	5.23	59	2394	16.875 ug/l #	88
12) 1,1-Dichloroethene	4.03	96	12161	5.566 ug/l	91
13) Acrolein	3.89	56	3384	19.461 ug/l	96
14) Allyl chloride	4.65	41	19948	5.301 ug/l	98
15) Acrylonitrile	5.37	53	14849	30.047 ug/l	99
16) Acetone	4.15	43	21480	38.640 ug/l	96
17) Carbon Disulfide	4.36	76	36625	5.604 ug/l	98
18) Methyl Acetate	4.68	43	12441	9.627 ug/l	93
19) Methyl tert-butyl Ether	5.43	73	21417	5.228 ug/l	99
20) Methylene Chloride	4.91	84	25363	9.391 ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	12933	5.424 ug/l	91
22) Diisopropyl ether	6.31	45	37082	4.880 ug/l #	90
23) Vinyl Acetate	6.26	43	94880	21.365 ug/l	98
24) 1,1-Dichloroethane	6.21	63	24348	5.398 ug/l	96
25) 2-Butanone	7.19	43	21701	31.143 ug/l	95
26) 2,2-Dichloropropane	7.16	77	17110	5.788 ug/l	92
27) cis-1,2-Dichloroethene	7.17	96	13619	5.249 ug/l	96
28) Bromochloromethane	7.51	49	10021	5.351 ug/l	97
29) Tetrahydrofuran	7.54	42	12284	28.736 ug/l	96
30) Chloroform	7.68	83	24907	5.441 ug/l	97
31) Cyclohexane	7.95	56	25074	5.931 ug/l #	76
32) 1,1,1-Trichloroethane	7.87	97	19153	5.112 ug/l	96
36) 1,1-Dichloropropene	8.09	75	19036	5.053 ug/l	99
37) Ethyl Acetate	7.26	43	8499	5.321 ug/l	96
38) Carbon Tetrachloride	8.07	117	18556	5.064 ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW070218\
 Data File : VW003679.D
 Acq On : 02 Jul 2018 16:32
 Operator : SY/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 03 02:27:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 02:27:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	20752	4.746	ug/l	89
40) Benzene	8.32	78	53539	5.153	ug/l	98
41) Methacrylonitrile	7.49	41	4719	4.877	ug/l	94
42) 1,2-Dichloroethane	8.40	62	17597	5.413	ug/l	100
43) Isopropyl Acetate	8.43	43	16337	5.209	ug/l	97
44) Trichloroethene	9.09	130	14444	5.293	ug/l	99
45) 1,2-Dichloropropane	9.37	63	13978	5.286	ug/l	97
46) Dibromomethane	9.46	93	7162	5.268	ug/l	99
47) Bromodichloromethane	9.65	83	17517	5.055	ug/l #	99
48) Methyl methacrylate	9.44	41	7114	4.811	ug/l	93
49) 1,4-Dioxane	9.48	88	2131	103.601	ug/l #	95
51) 4-Methyl-2-Pentanone	10.21	43	41306	25.679	ug/l	99
52) Toluene	10.39	92	32592	4.902	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	16883	4.757	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	19499	4.820	ug/l	92
55) 1,1,2-Trichloroethane	10.79	97	10162	5.307	ug/l	93
56) Ethyl methacrylate	10.65	69	10201	4.358	ug/l	91
57) 1,3-Dichloropropane	10.94	76	17289	5.224	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.93	63	26489	25.668	ug/l	98
59) 2-Hexanone	10.98	43	28598	25.397	ug/l	94
60) Dibromochloromethane	11.13	129	11548	5.102	ug/l	96
61) 1,2-Dibromoethane	11.24	107	9794	5.406	ug/l	98
64) Tetrachloroethene	10.87	164	12629	5.305	ug/l	97
65) Chlorobenzene	11.66	112	37410	5.045	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	12520	4.813	ug/l	97
67) Ethyl Benzene	11.74	91	60834	4.624	ug/l	98
68) m/p-Xylenes	11.84	106	45701	9.138	ug/l	100
69) o-Xylene	12.17	106	20858	4.516	ug/l	98
70) Styrene	12.19	104	32426	4.197	ug/l	96
71) Bromoform	12.35	173	6802	5.009	ug/l #	97
73) Isopropylbenzene	12.47	105	56317	4.370	ug/l	99
74) N-amyl acetate	12.28	43	14310	4.767	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	12207	5.487	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	15279	9.559	ug/l #	100
77) Bromobenzene	12.75	156	14610	4.847	ug/l	97
78) n-propylbenzene	12.81	91	69959	4.421	ug/l	99
79) 2-Chlorotoluene	12.90	91	41462	4.636	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	47765	4.412	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	3412	4.850	ug/l	95
82) 4-Chlorotoluene	12.99	91	44097	4.650	ug/l	100
83) tert-Butylbenzene	13.21	119	39403	4.275	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	48492	4.344	ug/l	100
85) sec-Butylbenzene	13.39	105	60395	4.404	ug/l	100
86) p-Isopropyltoluene	13.51	119	50738	4.205	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	30287	4.907	ug/l	98
88) 1,4-Dichlorobenzene	13.59	146	31138	5.071	ug/l	94
89) n-Butylbenzene	13.83	91	51618	4.379	ug/l	98
90) Hexachloroethane	14.10	117	10242	4.685	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	27194	5.020	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2140	5.708	ug/l	95

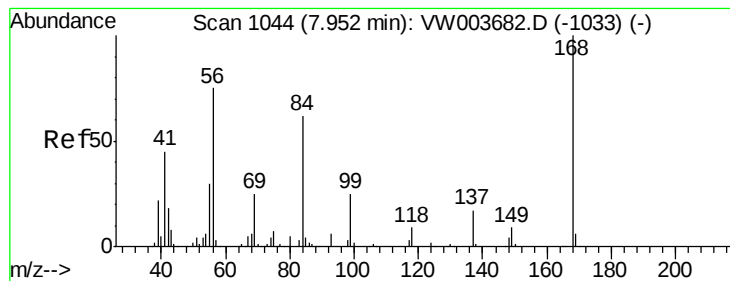
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW070218\
Data File : VW003679.D
Acq On : 02 Jul 2018 16:32
Operator : SY/AP
Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Quant Time: Jul 03 02:27:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070218S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 03 02:27:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	18469	4.853	ug/l	99
94) Hexachlorobutadiene	15.25	225	11124	4.898	ug/l	98
95) Naphthalene	15.38	128	29780	4.558	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	16667	4.965	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

ClientSampleId :

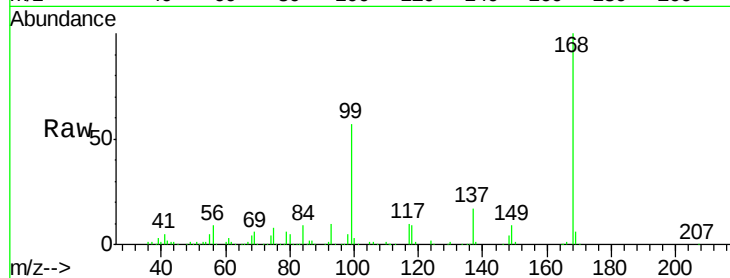
VSTDIC005

Tgt Ion:168 Resp: 236284

Ion Ratio Lower Upper

168 100

99 56.6 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

120000

100000

80000

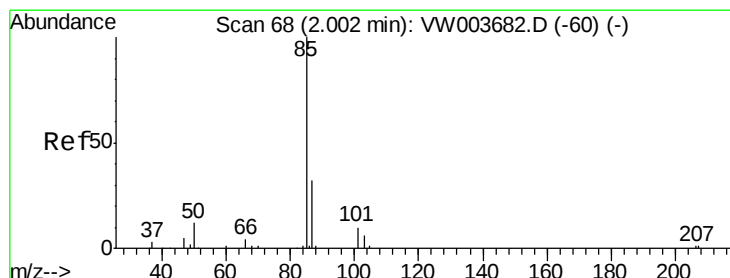
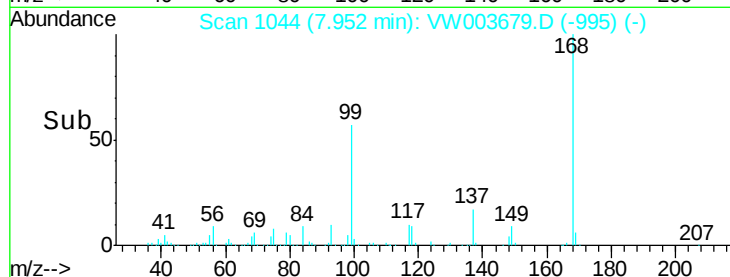
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.657 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW003679.D

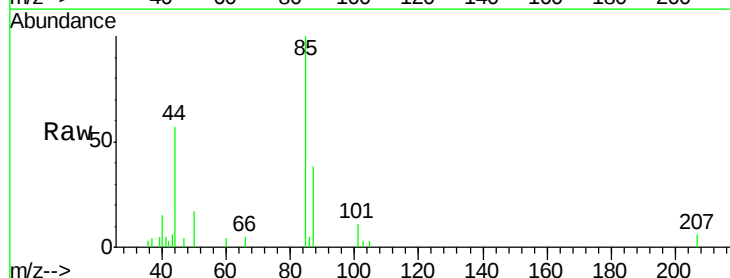
Acq: 02 Jul 2018 16:32

Tgt Ion: 85 Resp: 4481

Ion Ratio Lower Upper

85 100

87 38.2 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

2000

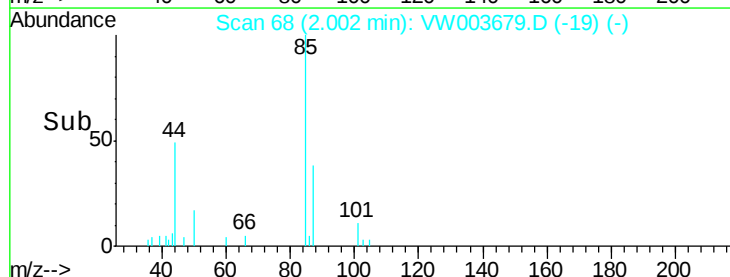
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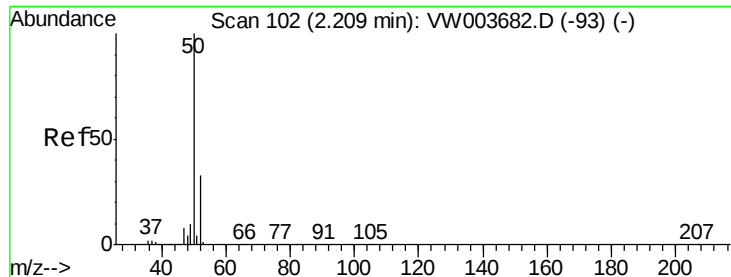
1000

500

0

Time-->





#3

Chloromethane

Concen: 5.809 ug/l

RT: 2.20 min Scan# 101

Delta R.T. -0.01 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

ClientSampleId :

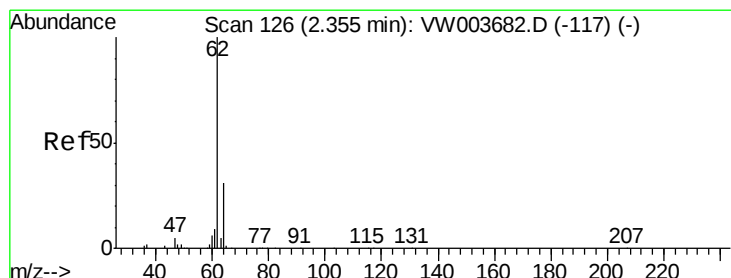
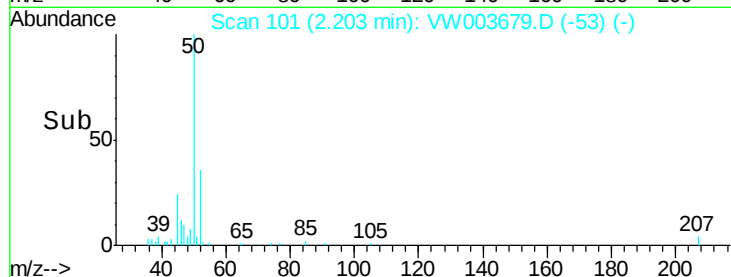
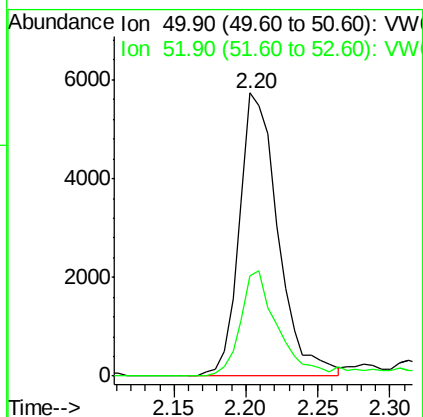
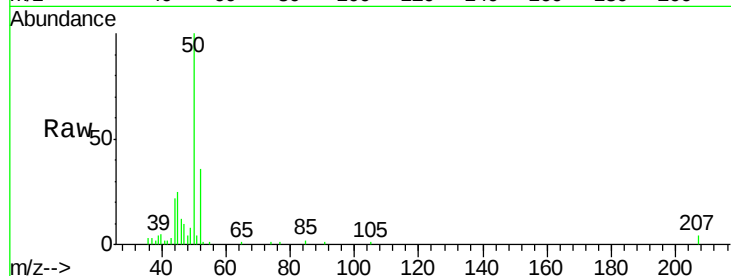
VSTDIC005

Tgt Ion: 50 Resp: 10696

Ion Ratio Lower Upper

50 100

52 35.6 26.1 39.1



#4

Vinyl Chloride

Concen: 5.556 ug/l

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW003679.D

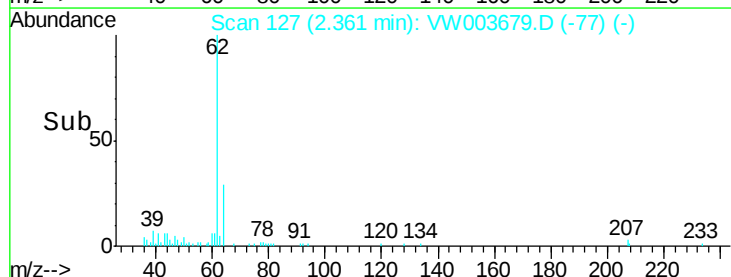
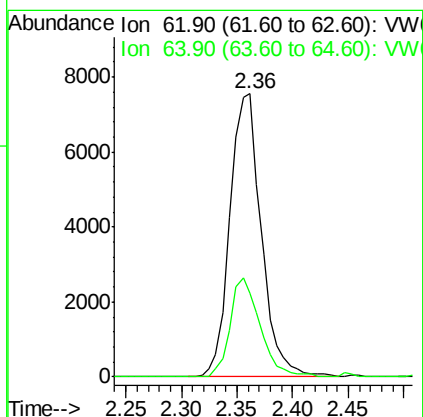
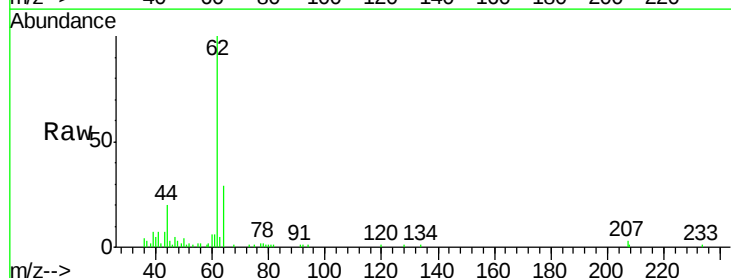
Acq: 02 Jul 2018 16:32

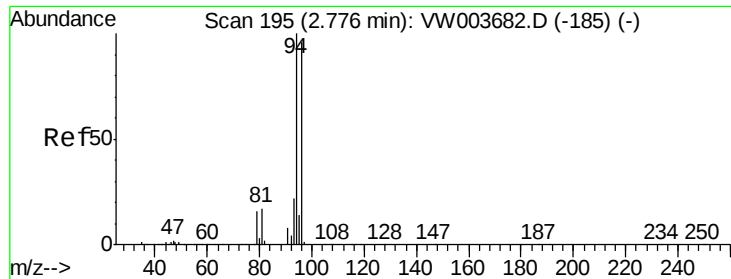
Tgt Ion: 62 Resp: 14793

Ion Ratio Lower Upper

62 100

64 29.4 25.1 37.7





#5

Bromomethane

Concen: 5.107 ug/l

RT: 2.78 min Scan# 195

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

ClientSampleId :

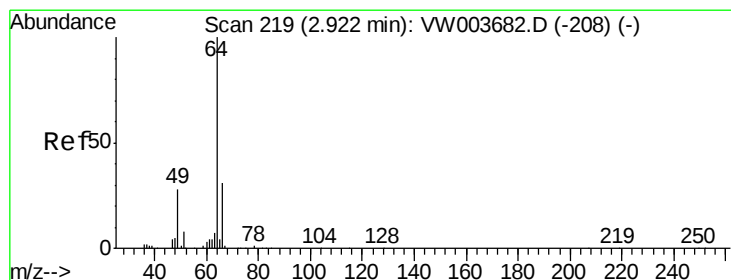
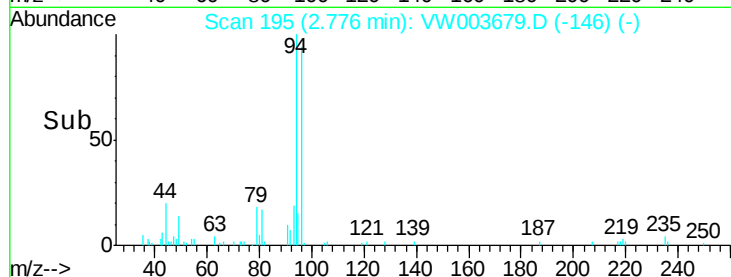
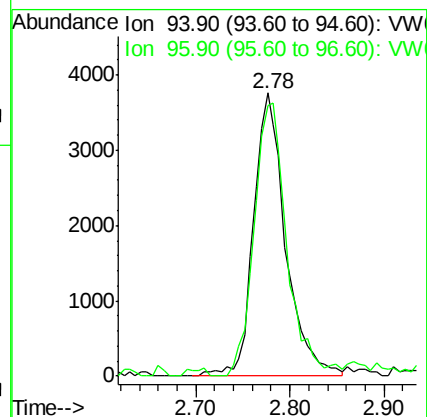
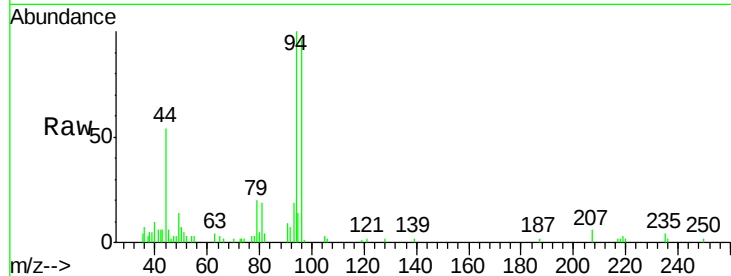
VSTDIC005

Tgt Ion: 94 Resp: 8980

Ion Ratio Lower Upper

94 100

96 93.7 76.6 115.0



#6

Chloroethane

Concen: 4.580 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW003679.D

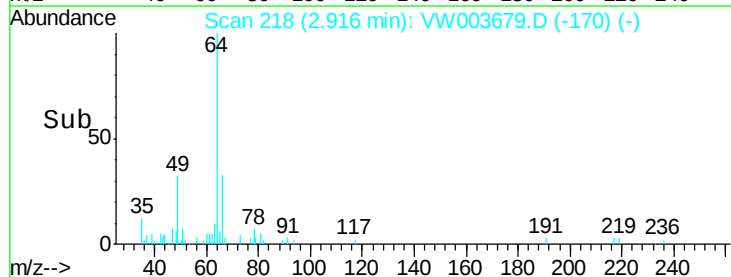
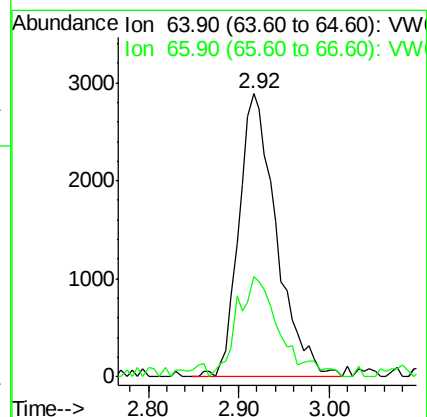
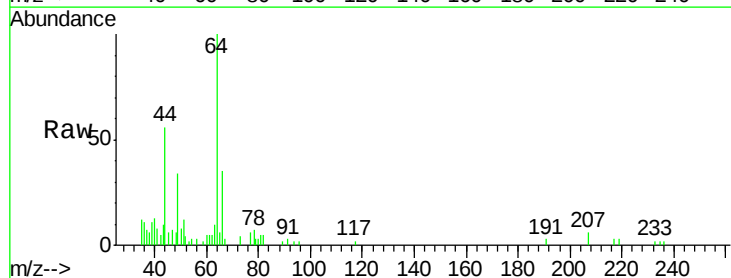
Acq: 02 Jul 2018 16:32

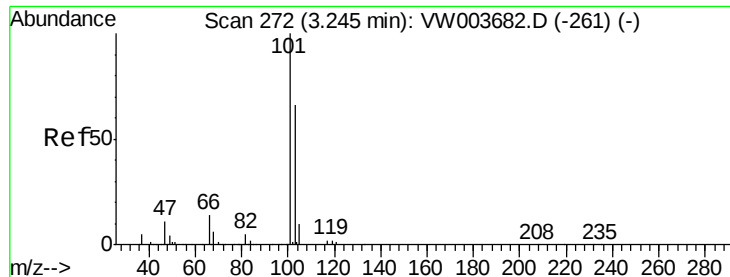
Tgt Ion: 64 Resp: 8295

Ion Ratio Lower Upper

64 100

66 35.4 25.0 37.6



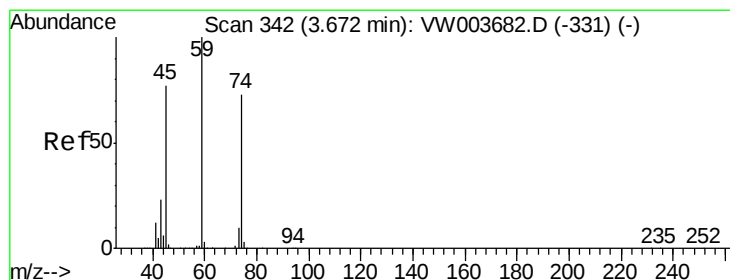
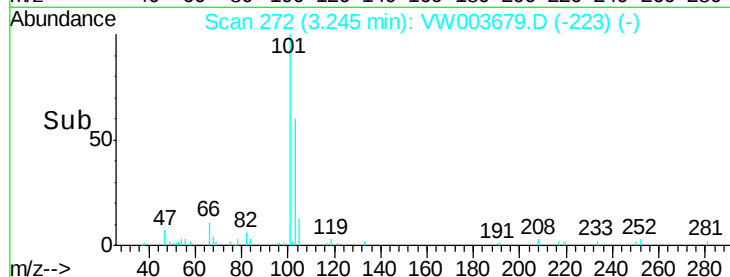
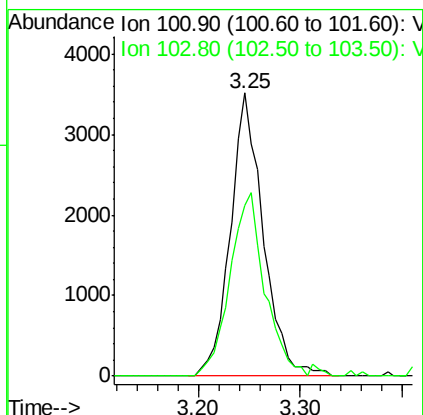
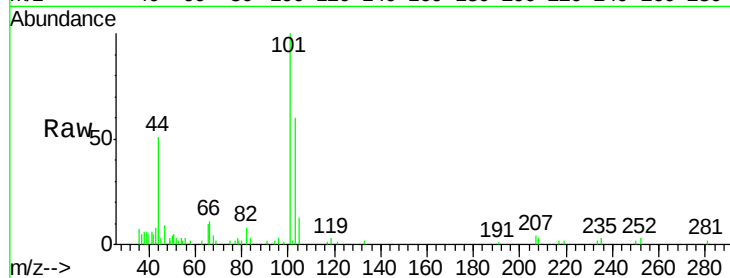


#7

Trichlorofluoromethane
 Concen: 5.049 ug/l
 RT: 3.25 min Scan# 272
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

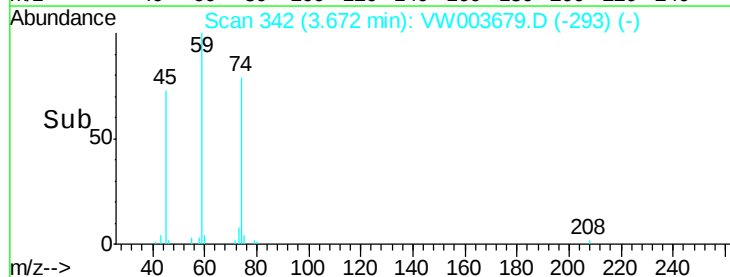
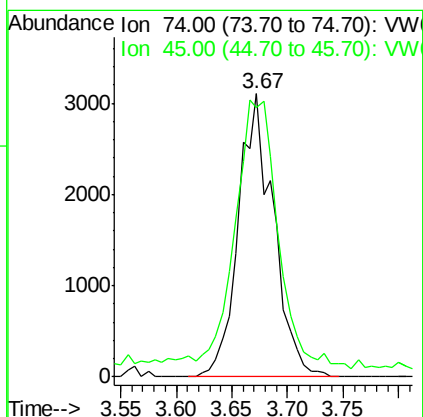
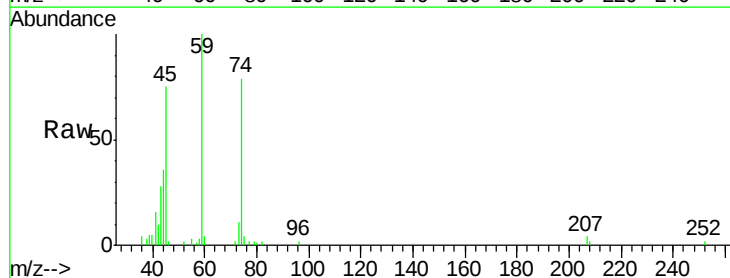
Tgt Ion: 101 Resp: 7831
 Ion Ratio Lower Upper
 101 100
 103 60.3 52.9 79.3

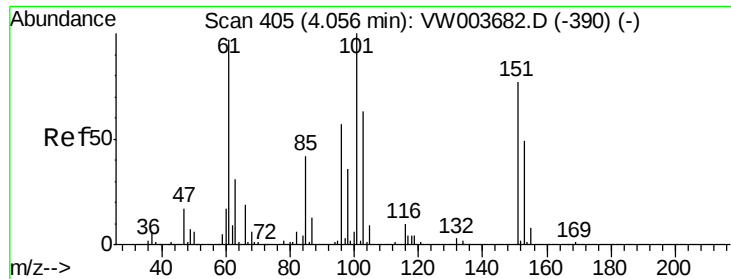


#8

Diethyl Ether
 Concen: 5.762 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Tgt Ion: 74 Resp: 6795
 Ion Ratio Lower Upper
 74 100
 45 116.8 53.5 160.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.384 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

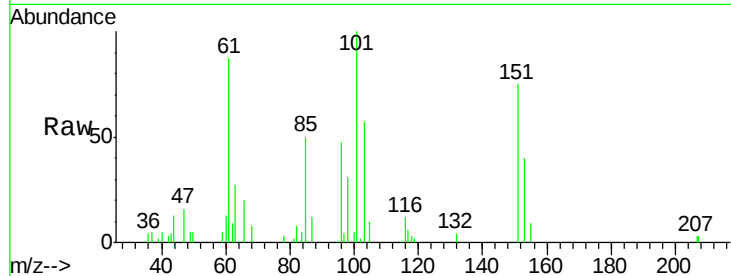
Tgt Ion:101 Resp: 11955

Ion Ratio Lower Upper

101 100

85 48.4 36.6 55.0

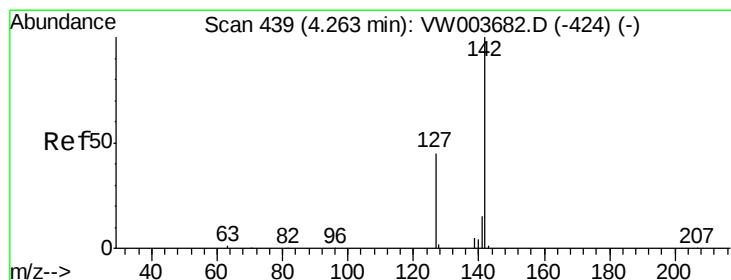
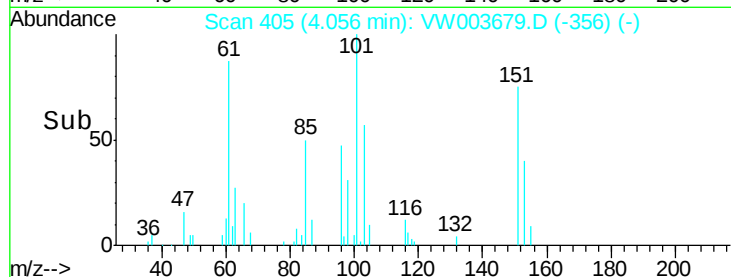
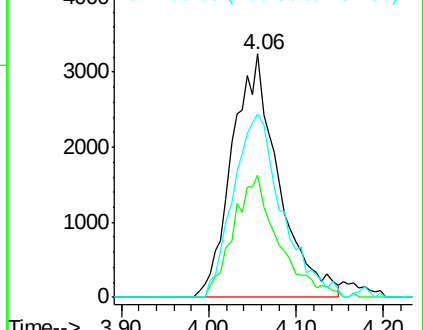
151 78.6 62.4 93.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 5.170 ug/l

RT: 4.26 min Scan# 439

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

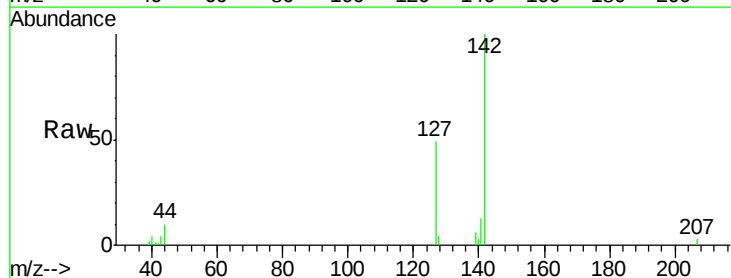
Tgt Ion:142 Resp: 17319

Ion Ratio Lower Upper

142 100

127 45.1 36.0 54.0

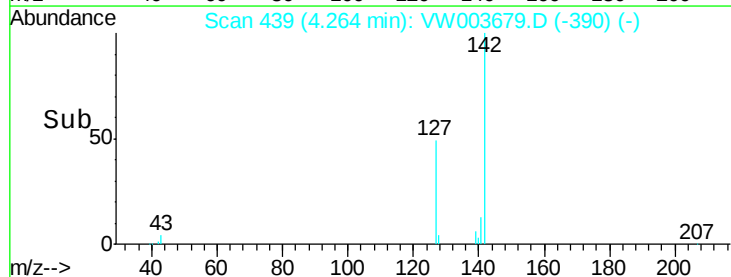
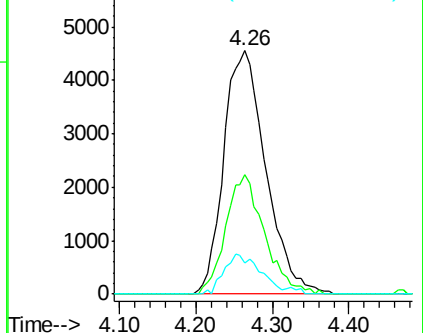
141 14.3 11.9 17.9

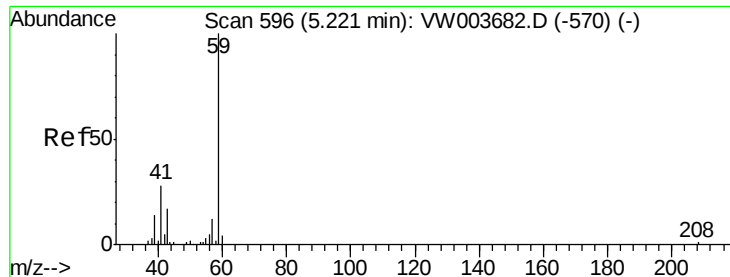


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



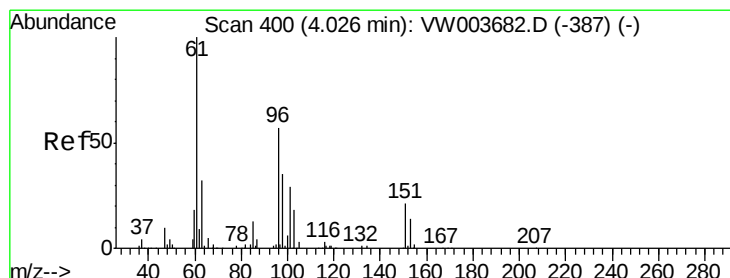
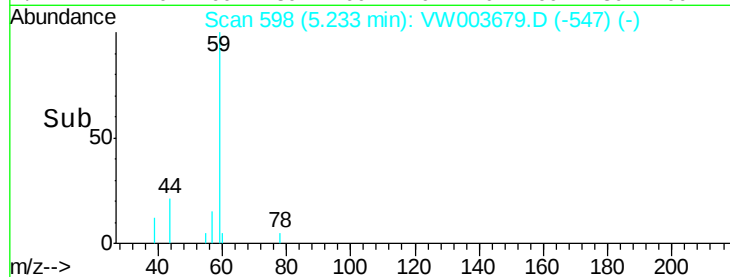
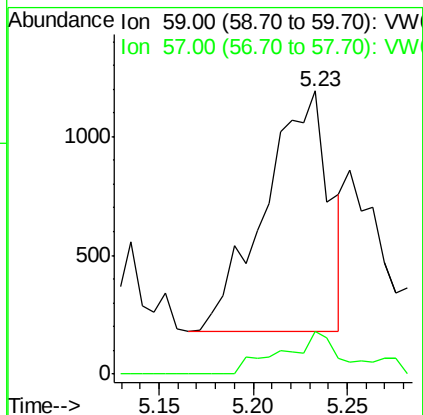
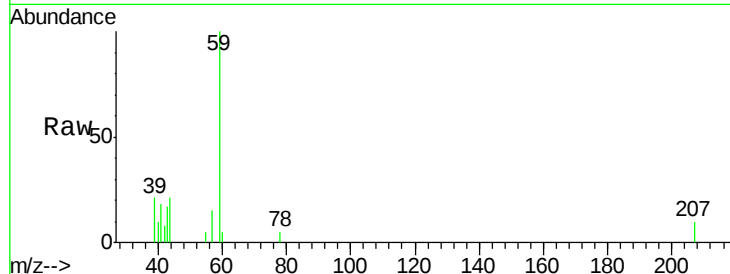


#11

Tert butyl alcohol
Concen: 16.875 ug/l
RT: 5.23 min Scan# 598
Delta R.T. 0.01 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

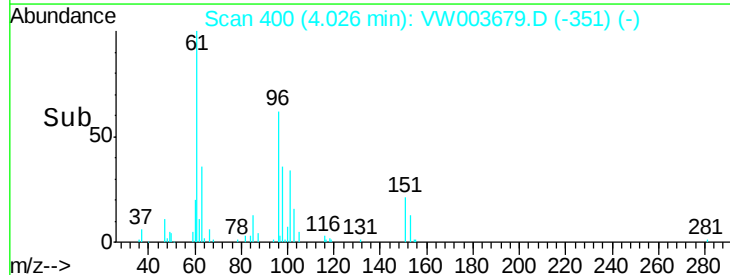
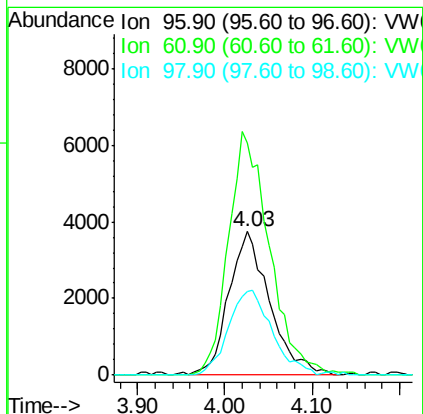
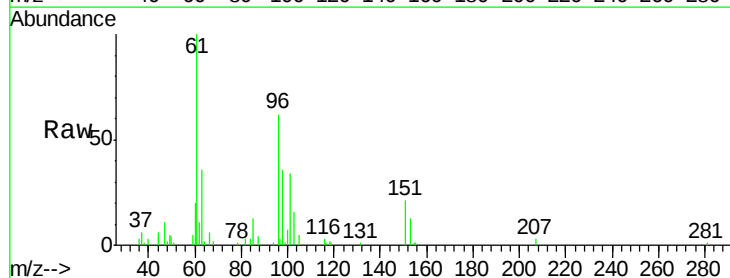
Tgt Ion: 59 Resp: 2394
Ion Ratio Lower Upper
59 100
57 15.9 9.0 13.4#

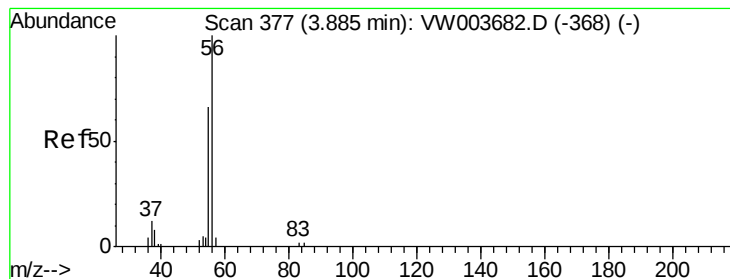


#12

1,1-Dichloroethene
Concen: 5.566 ug/l
RT: 4.03 min Scan# 400
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Tgt Ion: 96 Resp: 12161
Ion Ratio Lower Upper
96 100
61 161.2 140.6 211.0
98 57.9 49.4 74.0





#13

Acrolein

Concen: 19.461 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.01 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

ClientSampleId :

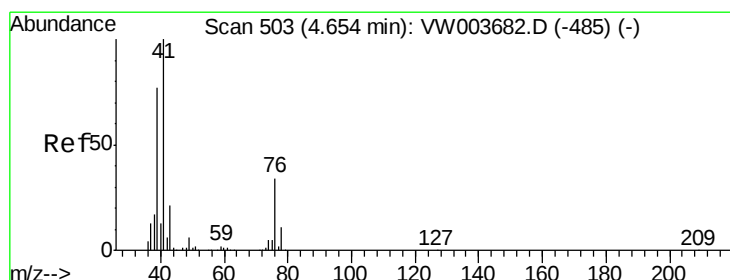
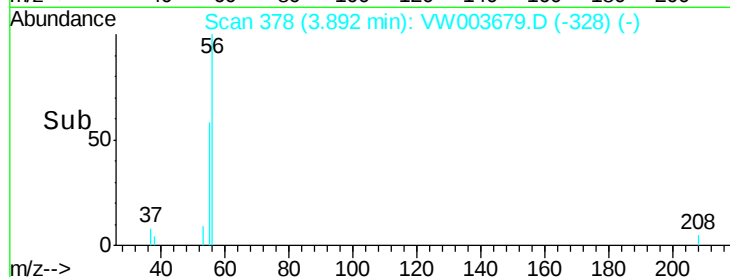
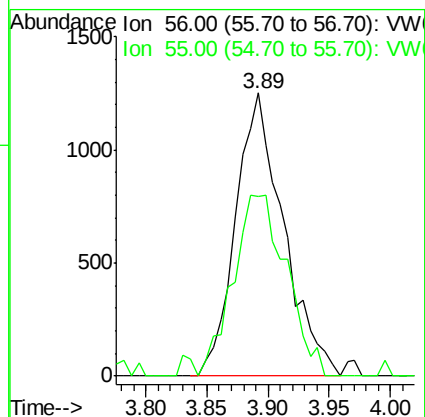
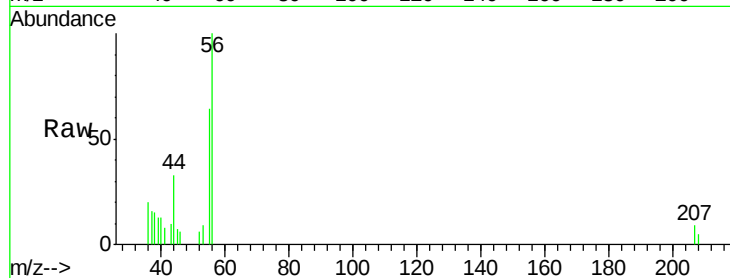
VSTDIC005

Tgt Ion: 56 Resp: 3384

Ion Ratio Lower Upper

56 100

55 71.7 54.7 82.1



#14

Allyl chloride

Concen: 5.301 ug/l

RT: 4.65 min Scan# 503

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

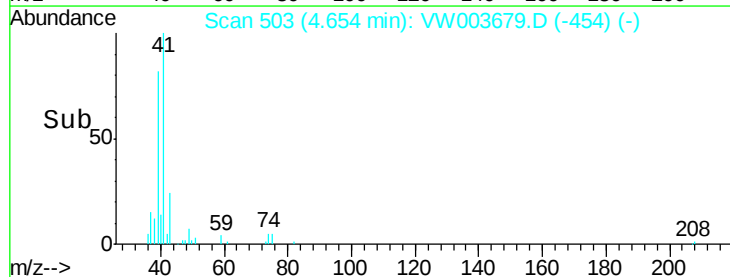
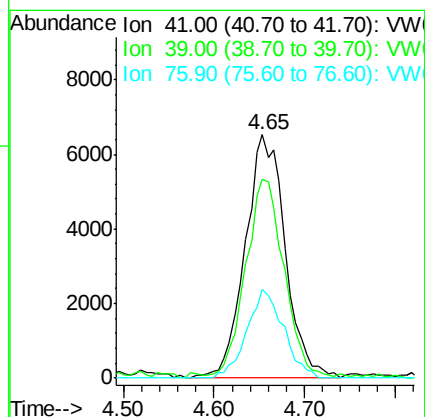
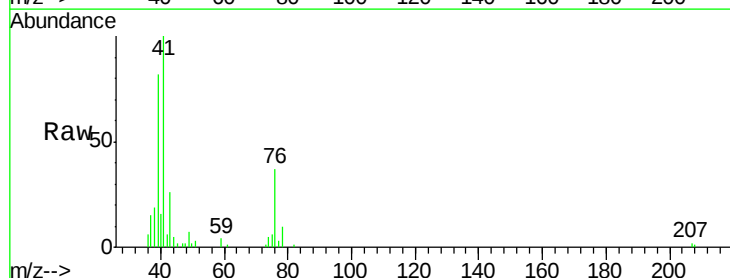
Tgt Ion: 41 Resp: 19948

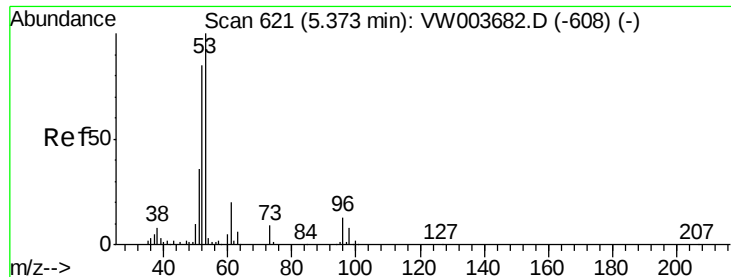
Ion Ratio Lower Upper

41 100

39 77.3 60.1 90.1

76 33.2 27.2 40.8





#15

Acrylonitrile

Concen: 30.047 ug/l

RT: 5.37 min Scan# 620

Delta R.T. -0.01 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

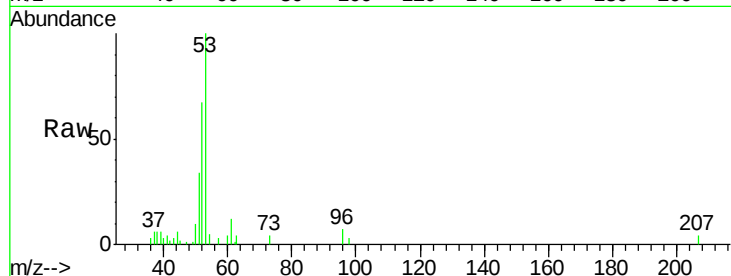
Tgt Ion: 53 Resp: 14849

Ion Ratio Lower Upper

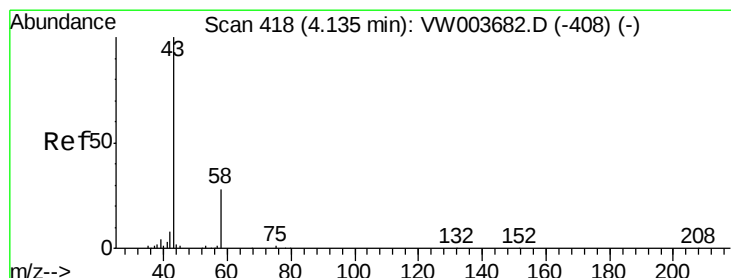
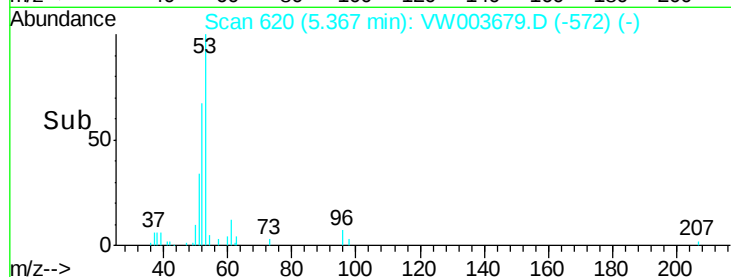
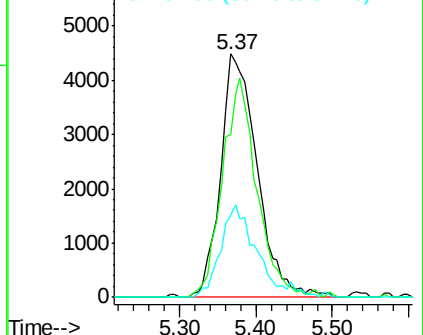
53 100

52 84.1 66.8 100.2

51 36.0 30.2 45.4



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 38.640 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VW003679.D

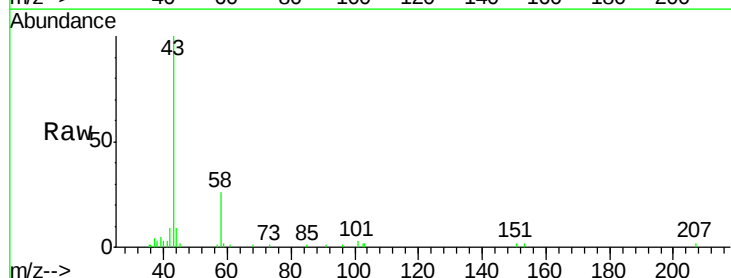
Acq: 02 Jul 2018 16:32

Tgt Ion: 43 Resp: 21480

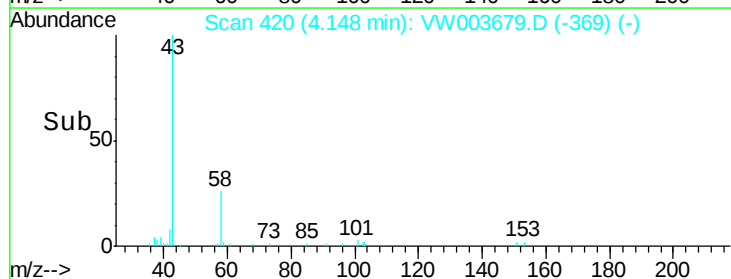
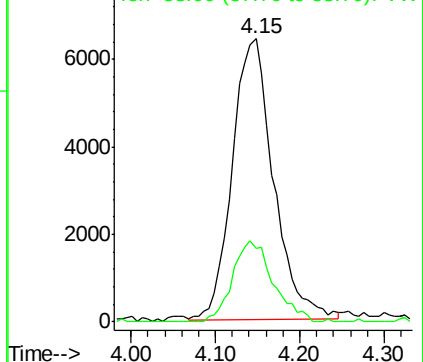
Ion Ratio Lower Upper

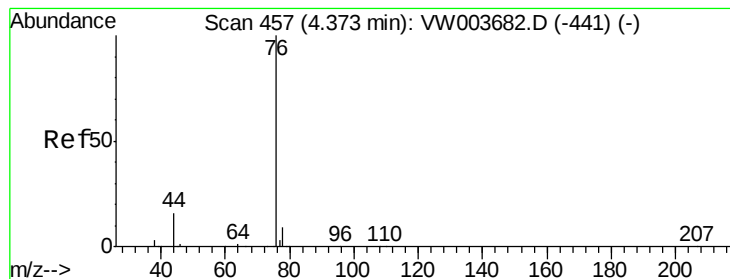
43 100

58 26.1 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 5.604 ug/l

RT: 4.36 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

ClientSampleId :

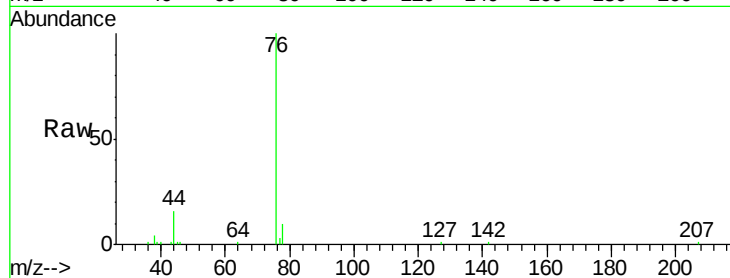
VSTDIC005

Tgt Ion: 76 Resp: 36625

Ion Ratio Lower Upper

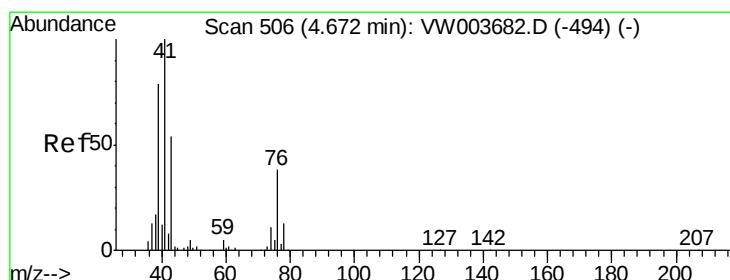
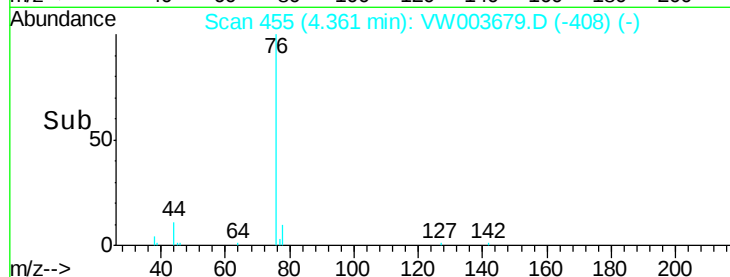
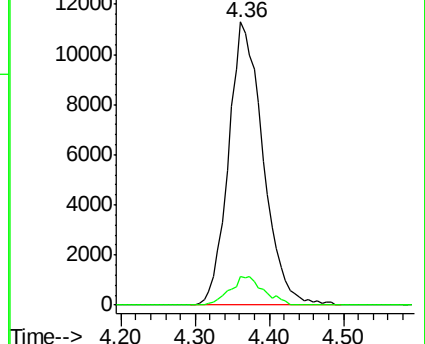
76 100

78 10.2 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: 9.627 ug/l

RT: 4.68 min Scan# 508

Delta R.T. 0.01 min

Lab File: VW003679.D

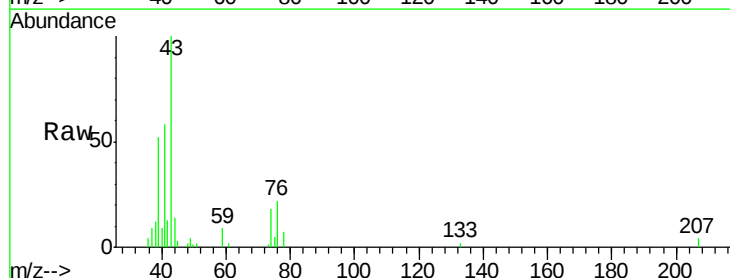
Acq: 02 Jul 2018 16:32

Tgt Ion: 43 Resp: 12441

Ion Ratio Lower Upper

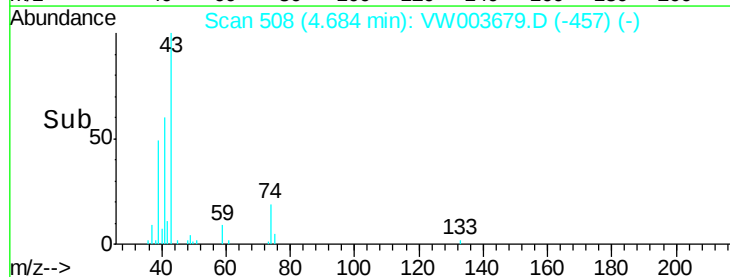
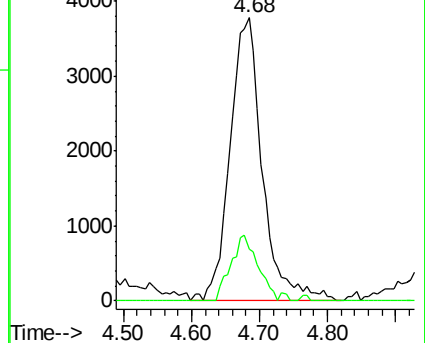
43 100

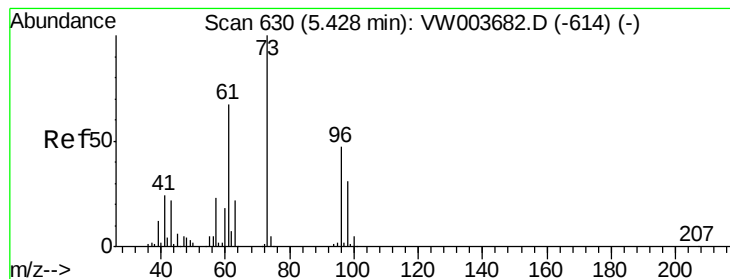
74 19.3 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#19

Methyl tert-butyl Ether

Concen: 5.228 ug/l

RT: 5.43 min Scan# 630

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

ClientSampleId :

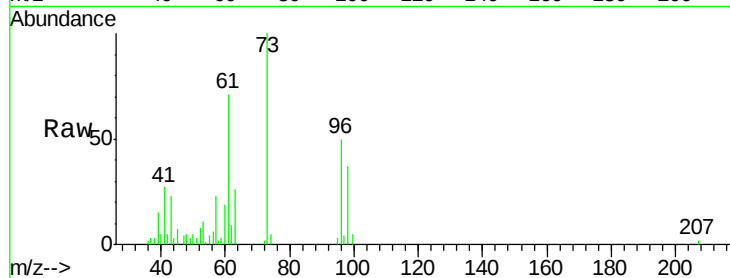
VSTDIC005

Tgt Ion: 73 Resp: 21417

Ion Ratio Lower Upper

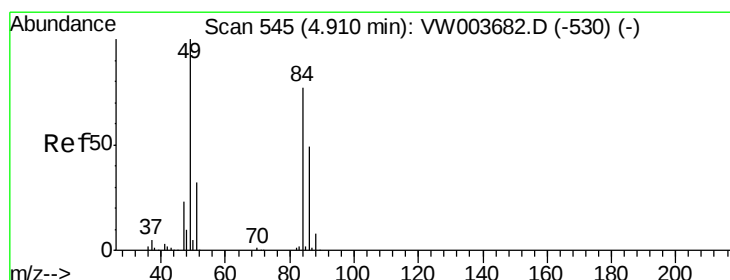
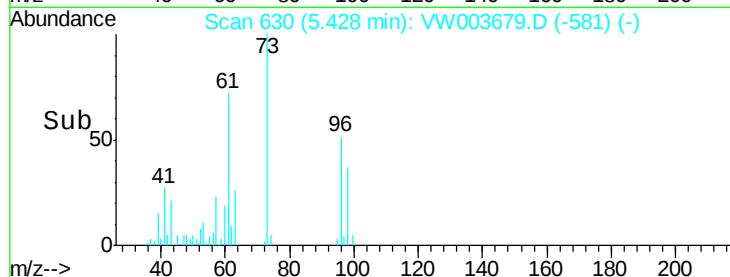
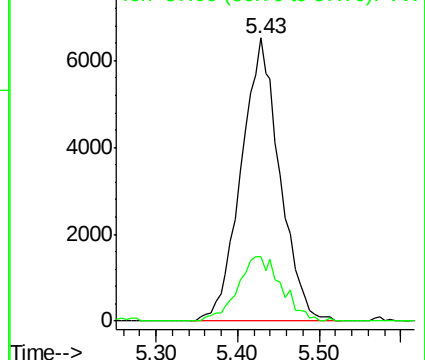
73 100

57 22.9 18.1 27.1



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW



#20

Methylene Chloride

Concen: 9.391 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Tgt Ion: 84 Resp: 25363

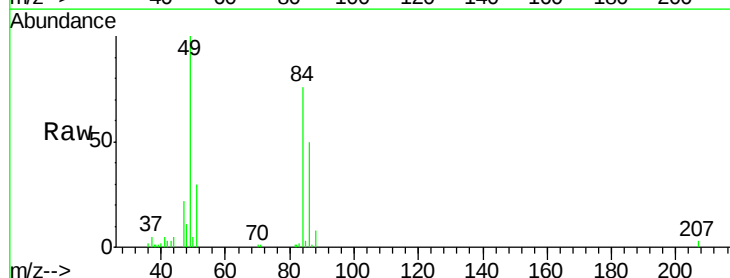
Ion Ratio Lower Upper

84 100

49 131.9 104.6 156.8

51 39.8 33.2 49.8

86 66.4 51.7 77.5

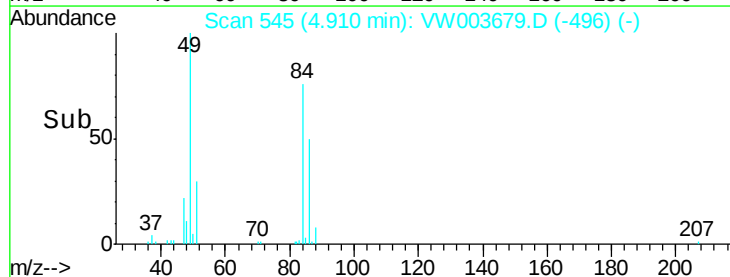
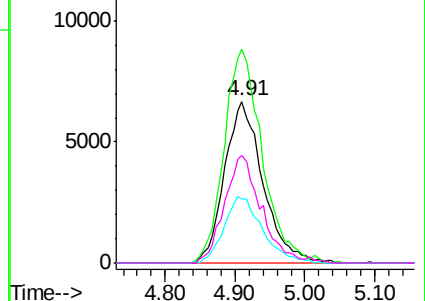


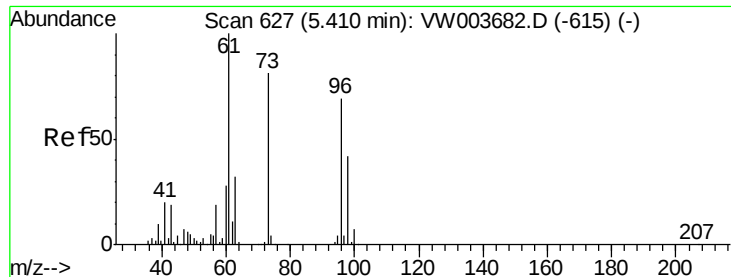
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#21

trans-1,2-Dichloroethene

Concen: 5.424 ug/l

RT: 5.42 min Scan# 629

Delta R.T. 0.01 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

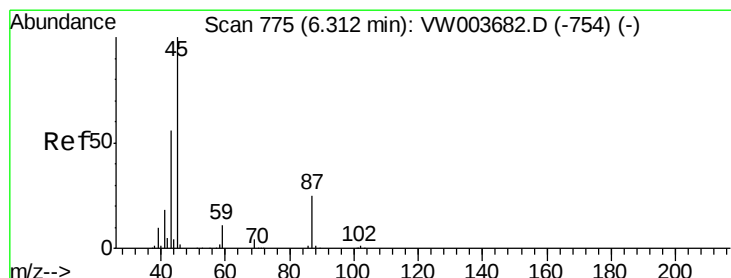
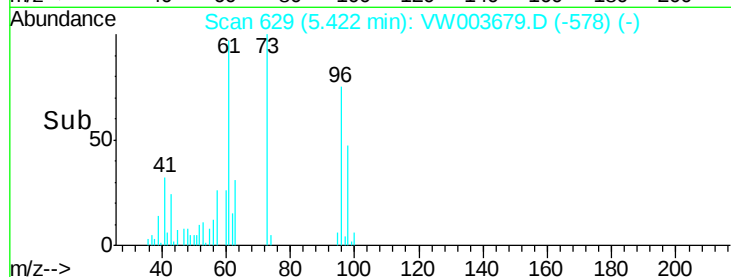
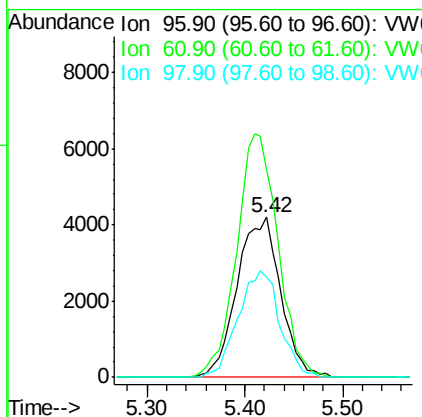
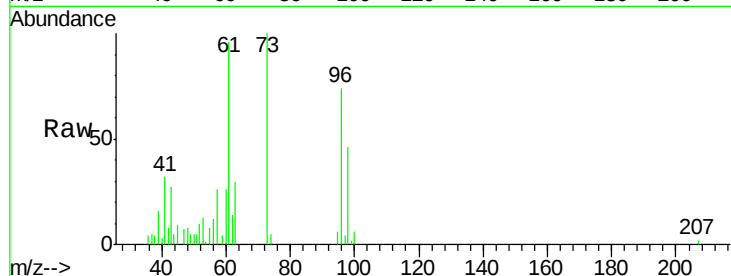
Tgt Ion: 96 Resp: 12933

Ion Ratio Lower Upper

96 100

61 129.8 116.8 175.2

98 62.6 49.6 74.4



#22

Diisopropyl ether

Concen: 4.880 ug/l

RT: 6.31 min Scan# 775

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Tgt Ion: 45 Resp: 37082

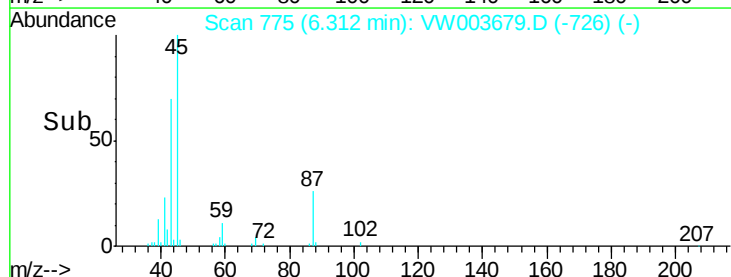
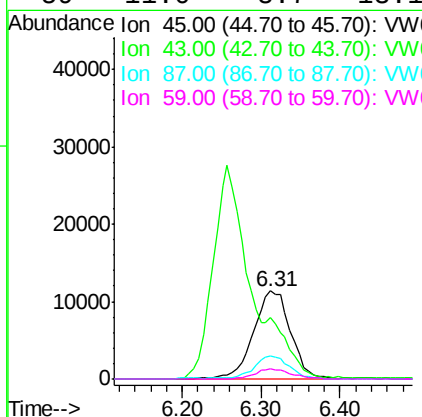
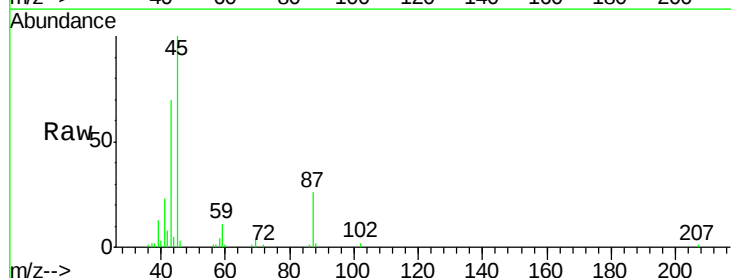
Ion Ratio Lower Upper

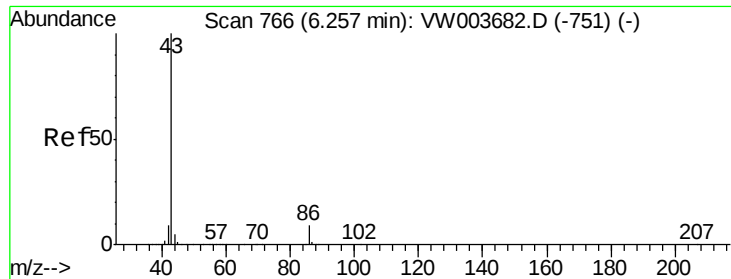
45 100

43 67.5 44.5 66.7#

87 25.5 20.2 30.4

59 11.0 8.7 13.1

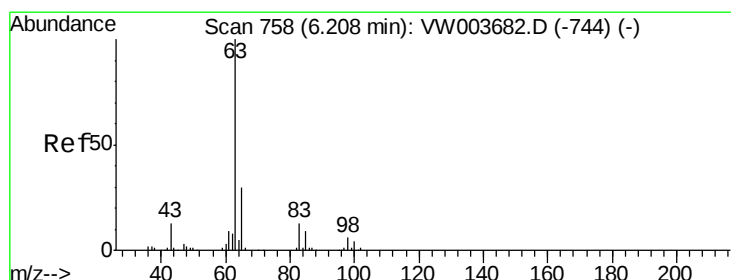
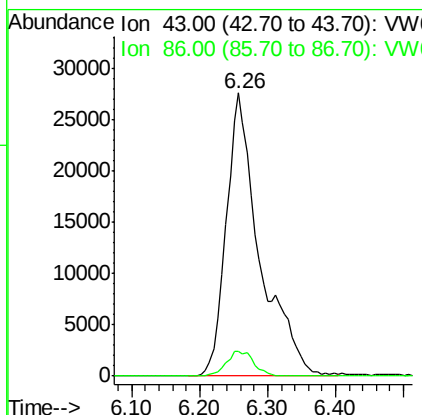
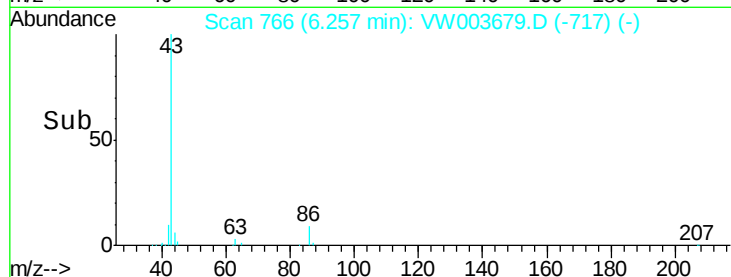
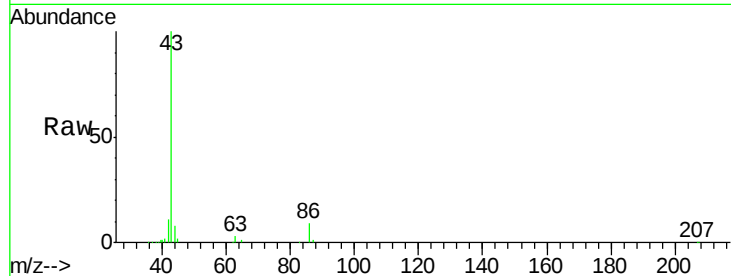




#23
 Vinyl Acetate
 Concen: 21.365 ug/l
 RT: 6.26 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

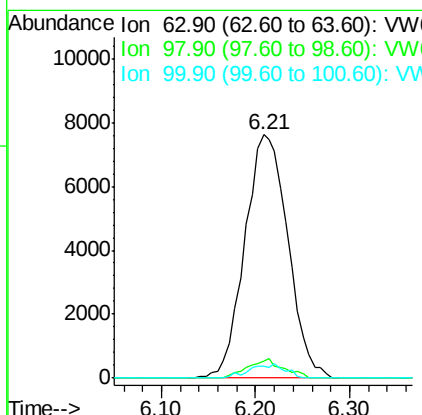
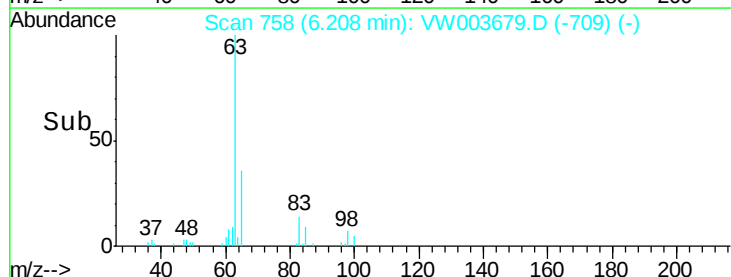
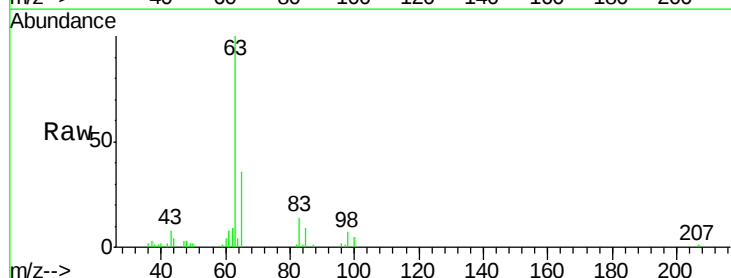
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

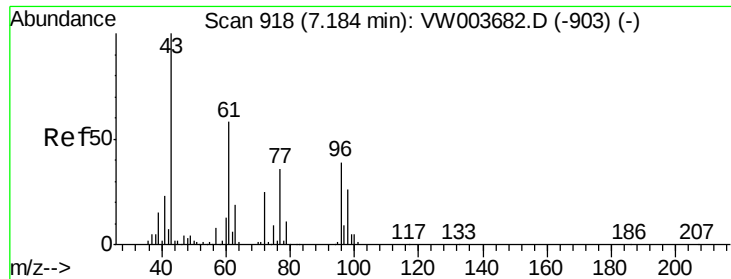
Tgt Ion: 43 Resp: 94880
 Ion Ratio Lower Upper
 43 100
 86 8.8 7.5 11.3



#24
 1,1-Dichloroethane
 Concen: 5.398 ug/l
 RT: 6.21 min Scan# 758
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Tgt Ion: 63 Resp: 24348
 Ion Ratio Lower Upper
 63 100
 98 7.1 2.9 8.6
 100 4.8 1.9 5.7





#25

2-Butanone

Concen: 31.143 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

ClientSampleId :

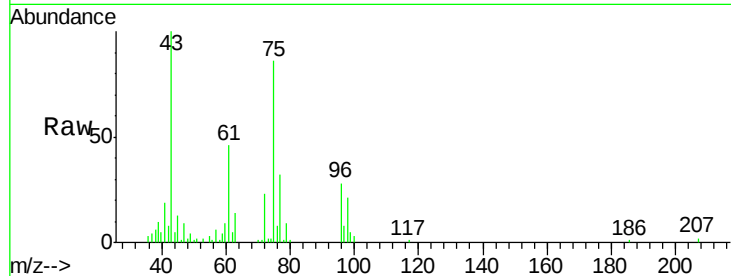
VSTDIC005

Tgt Ion: 43 Resp: 21701

Ion Ratio Lower Upper

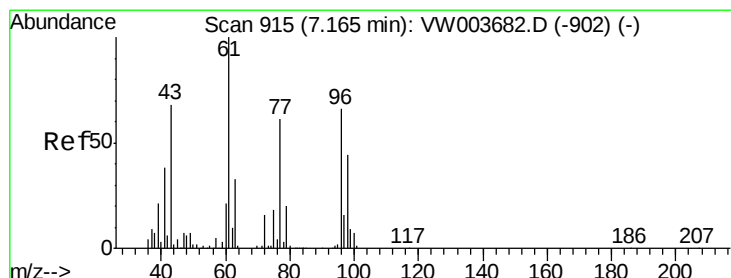
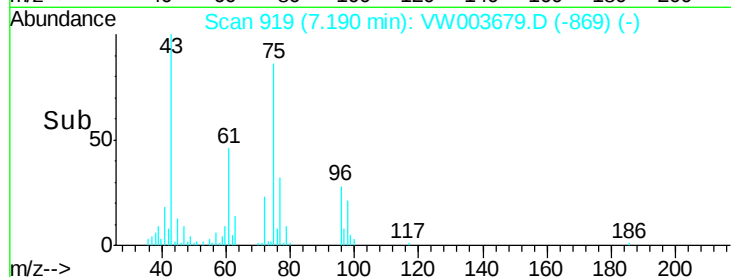
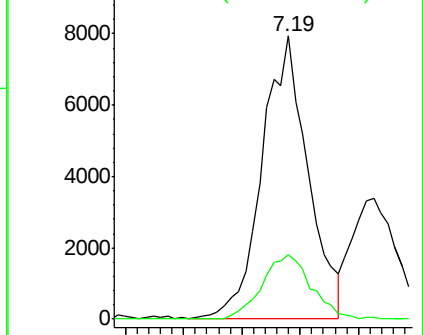
43 100

72 22.6 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 5.788 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW003679.D

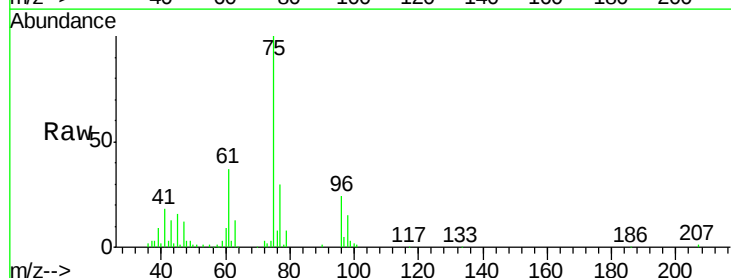
Acq: 02 Jul 2018 16:32

Tgt Ion: 77 Resp: 17110

Ion Ratio Lower Upper

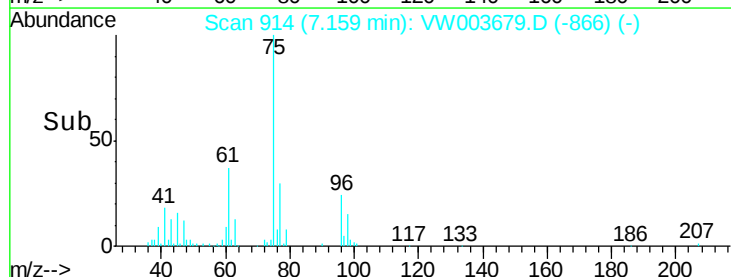
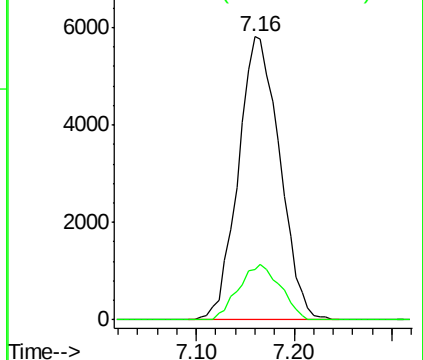
77 100

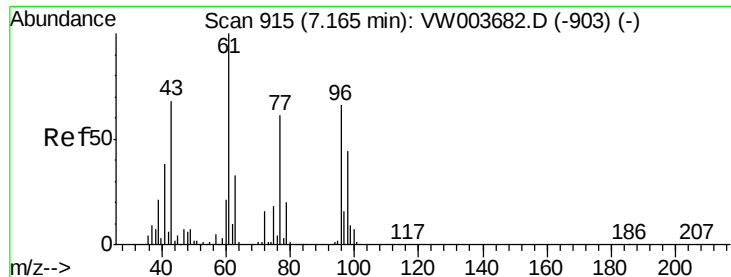
97 19.6 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#27

cis-1,2-Dichloroethene

Concen: 5.249 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

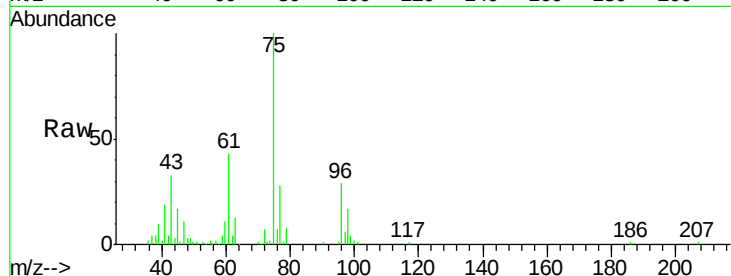
Tgt Ion: 96 Resp: 13619

Ion Ratio Lower Upper

96 100

61 158.5 0.0 305.0

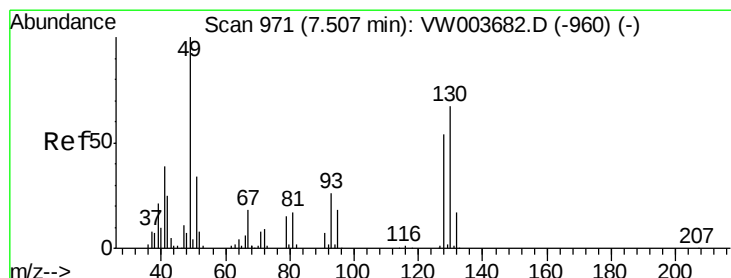
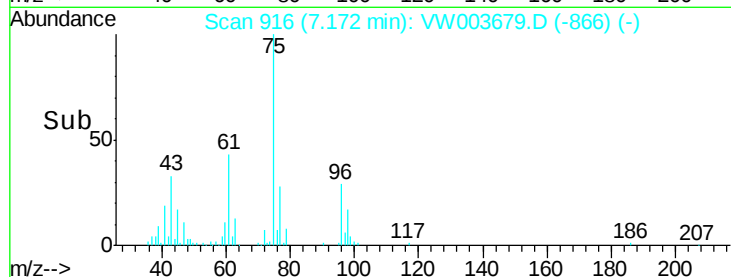
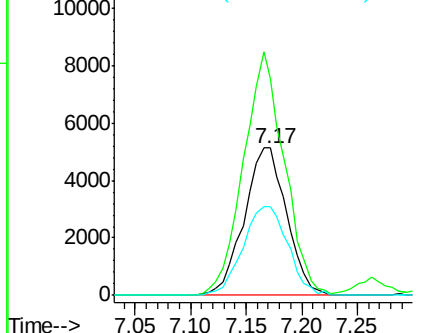
98 63.8 0.0 129.6



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: 5.351 ug/l

RT: 7.51 min Scan# 972

Delta R.T. 0.01 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

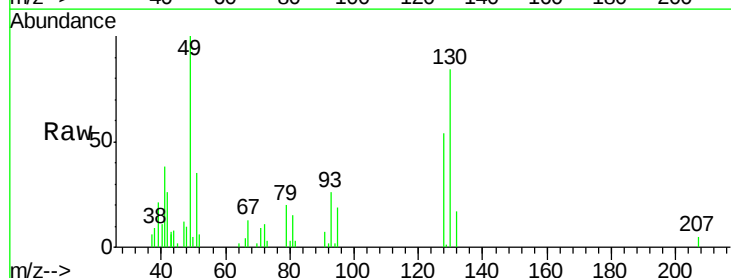
Tgt Ion: 49 Resp: 10021

Ion Ratio Lower Upper

49 100

129 0.6 0.0 3.0

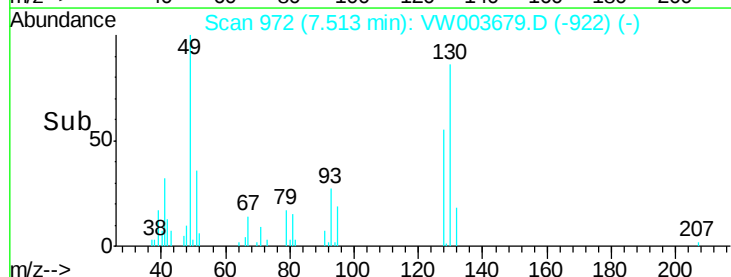
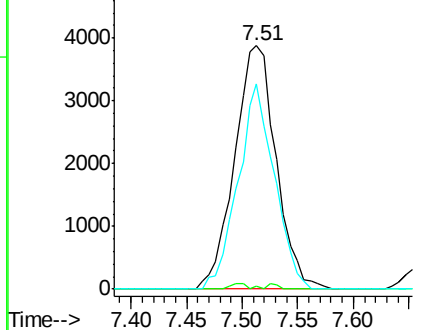
130 74.0 57.0 85.6

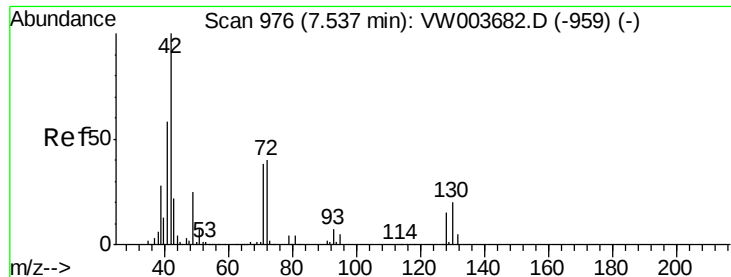


Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

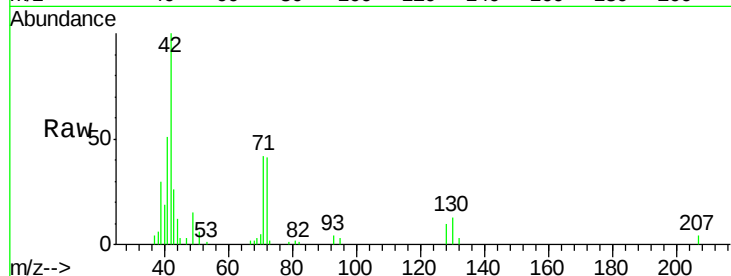




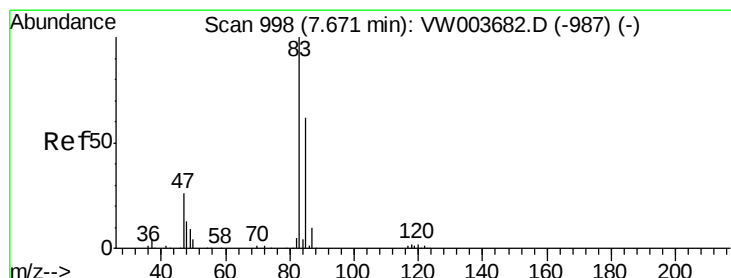
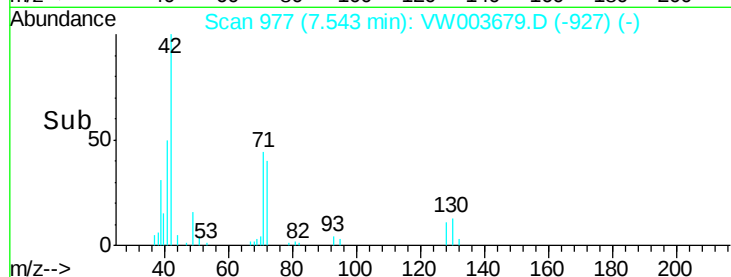
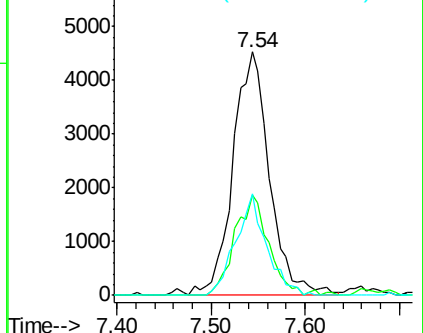
#29
Tetrahydrofuran
Concen: 28.736 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 42 Resp: 12284
Ion Ratio Lower Upper
42 100
72 37.8 32.0 48.0
71 35.1 30.2 45.2

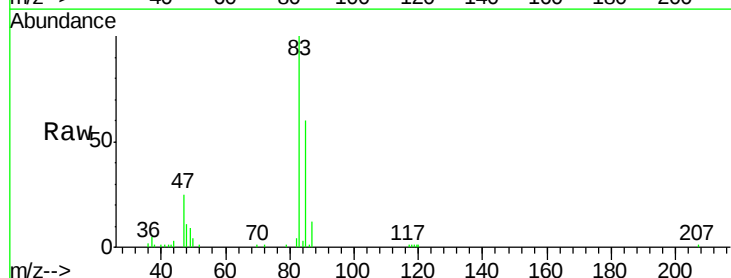


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

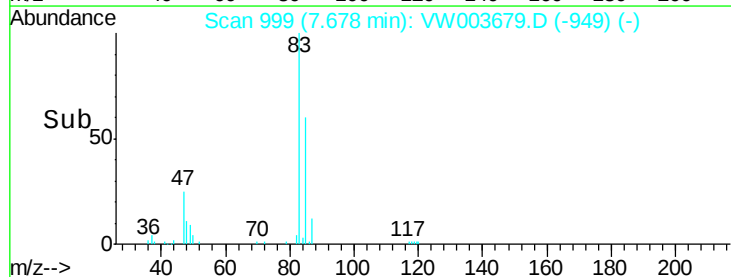
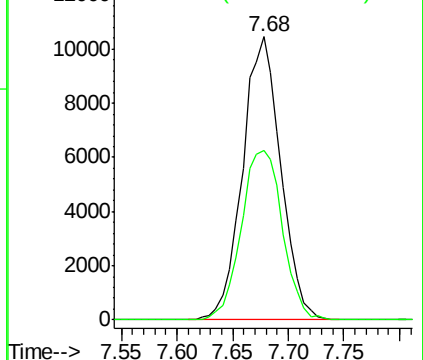


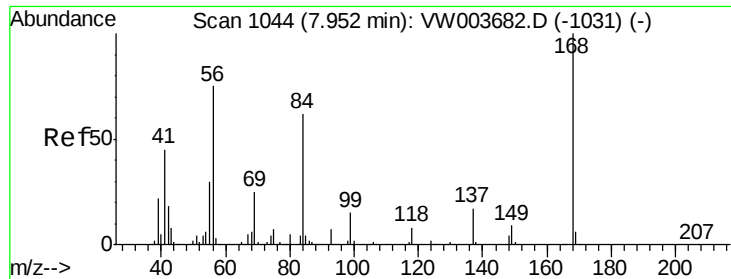
#30
Chloroform
Concen: 5.441 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.01 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Tgt Ion: 83 Resp: 24907
Ion Ratio Lower Upper
83 100
85 59.7 49.7 74.5



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

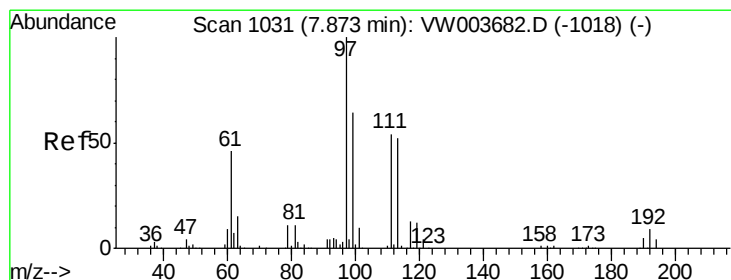
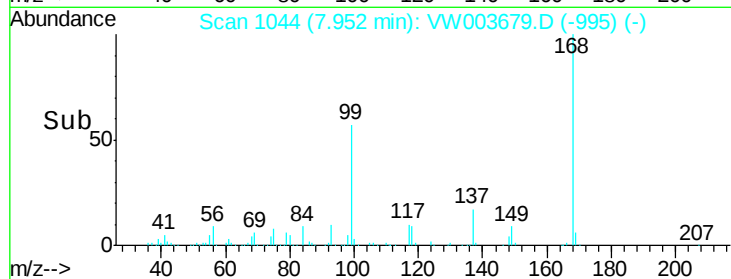
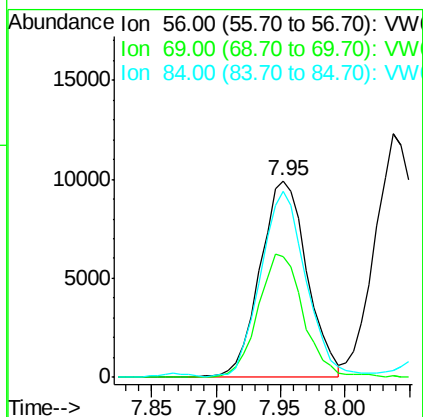
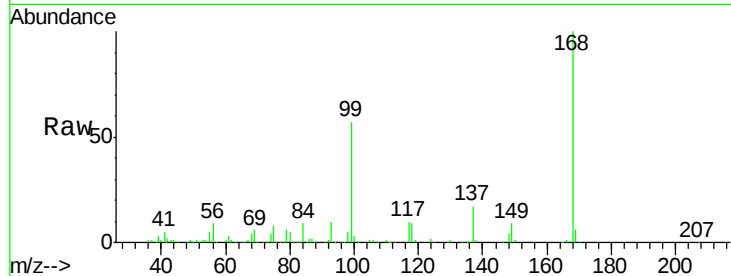




#31
Cyclohexane
Concen: 5.931 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

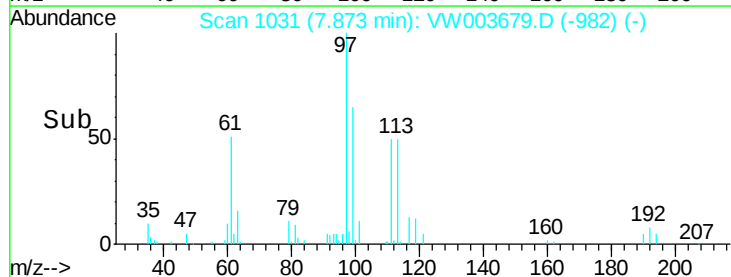
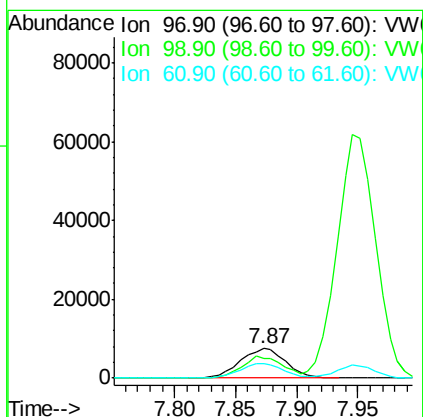
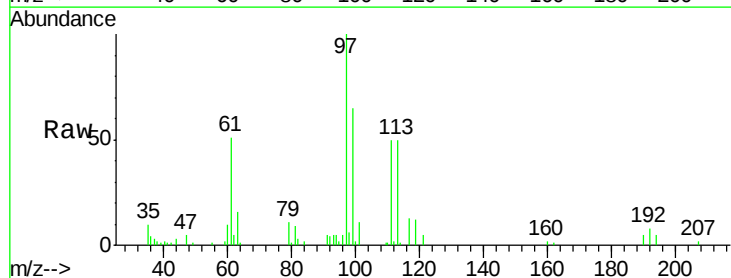
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

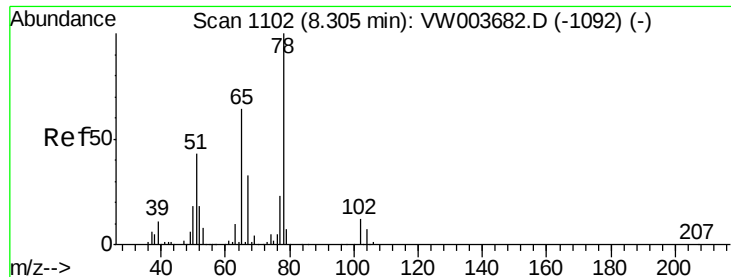
Tgt Ion: 56 Resp: 25074
Ion Ratio Lower Upper
56 100
69 61.6 27.0 40.4#
84 93.3 65.4 98.0



#32
1,1,1-Trichloroethane
Concen: 5.112 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Tgt Ion: 97 Resp: 19153
Ion Ratio Lower Upper
97 100
99 67.2 50.6 76.0
61 48.8 37.2 55.8

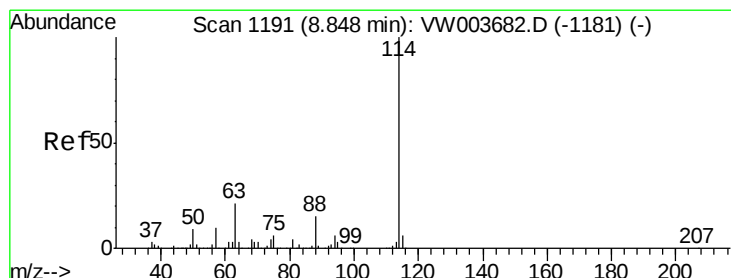
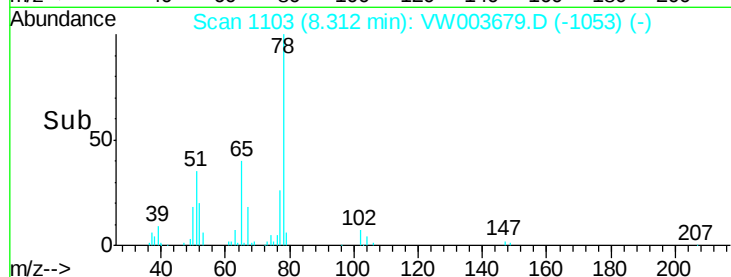
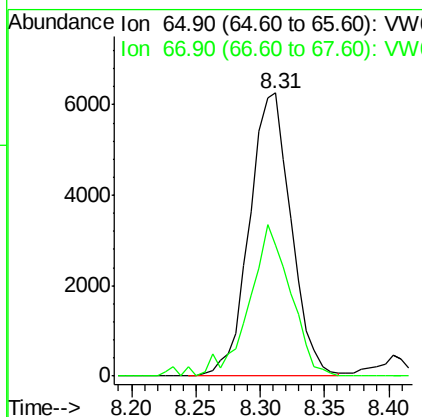
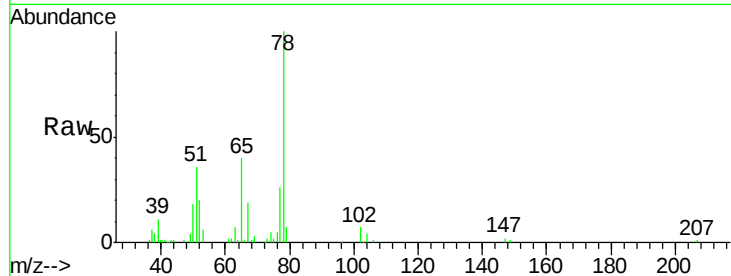




#33
 1,2-Dichloroethane-d4
 Concen: 5.355 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

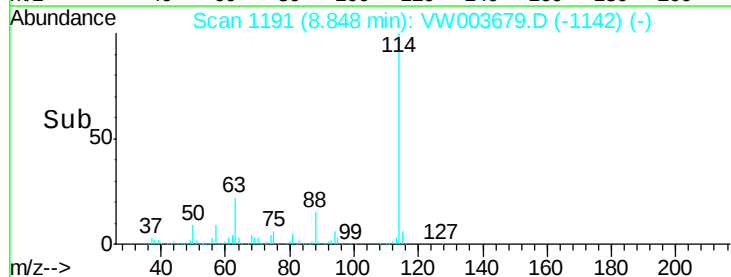
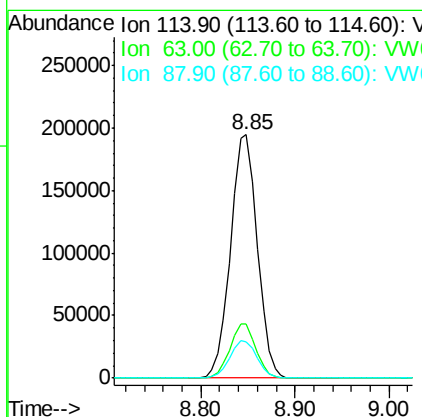
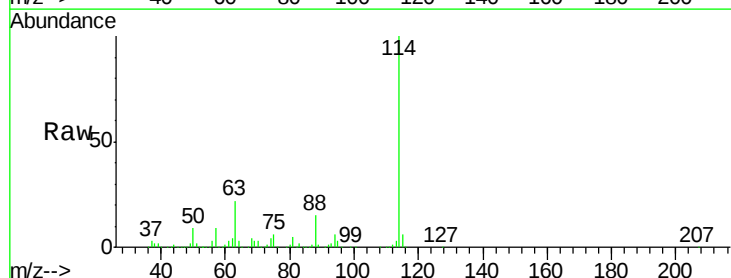
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

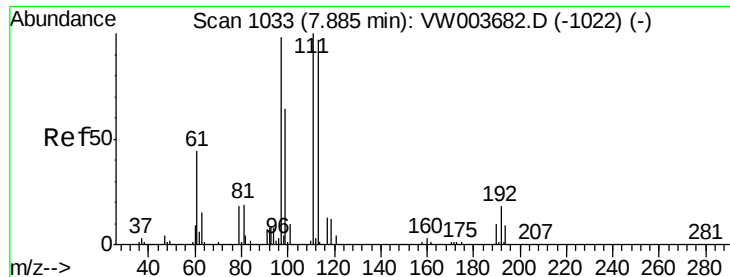
Tgt Ion: 65 Resp: 13987
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Tgt Ion: 114 Resp: 382975
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 41.6
 88 15.0 0.0 29.8

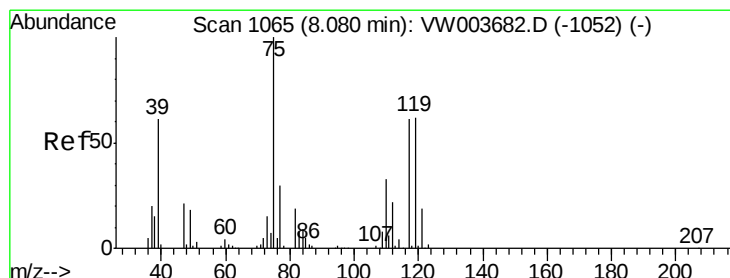
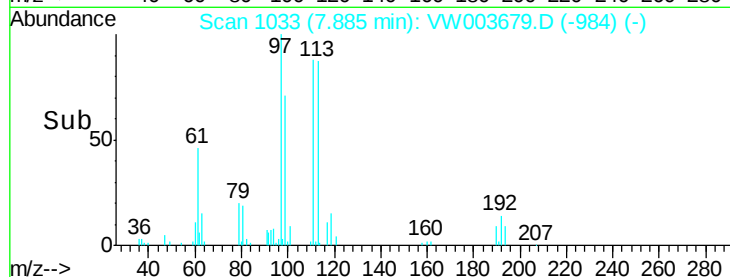
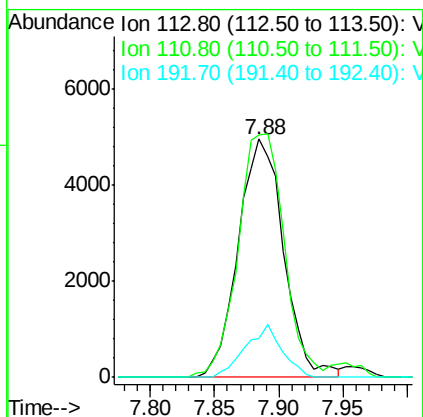
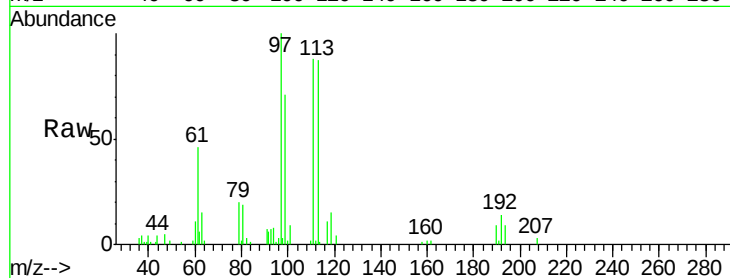




#35
 Dibromofluoromethane
 Concen: 5.006 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

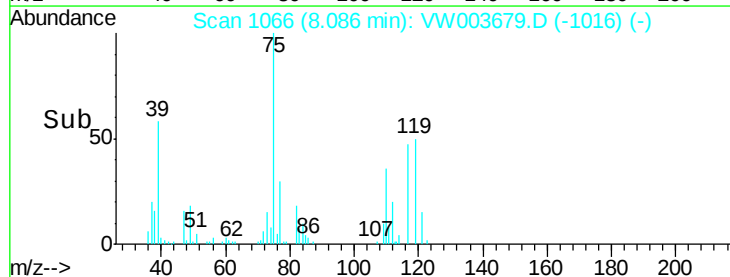
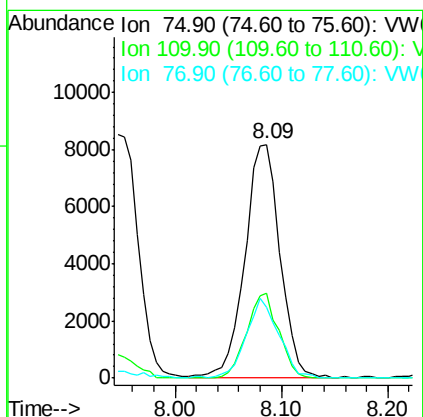
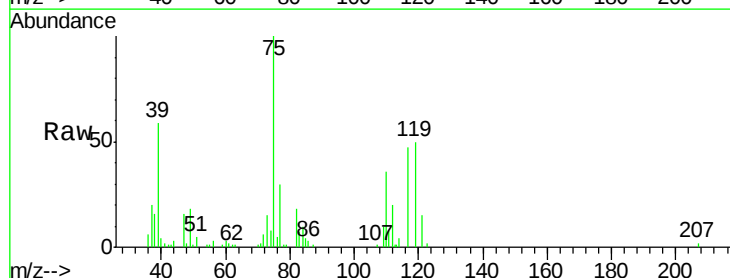
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

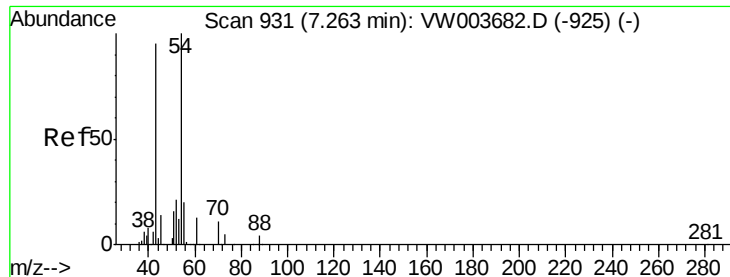
Tgt Ion: 113 Resp: 12105
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.4 123.6
 192 17.8 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 5.053 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Tgt Ion: 75 Resp: 19036
 Ion Ratio Lower Upper
 75 100
 110 33.0 16.9 50.6
 77 31.5 24.9 37.3

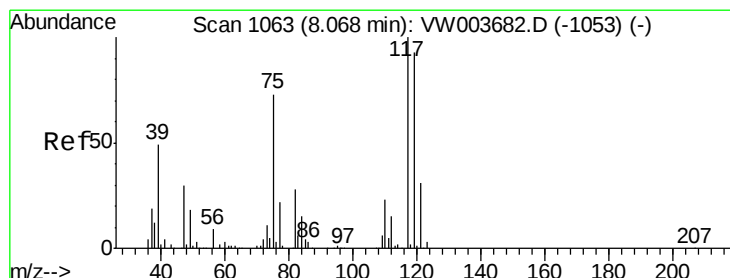
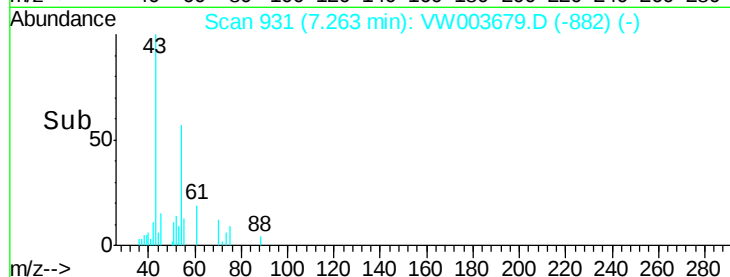
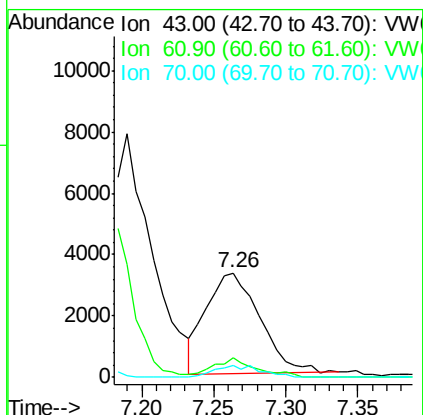
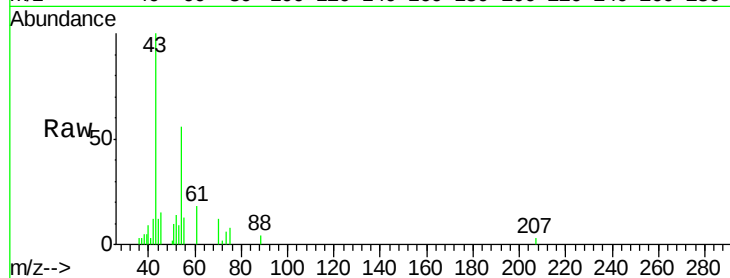




#37
Ethyl Acetate
Concen: 5.321 ug/l
RT: 7.26 min Scan# 931
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

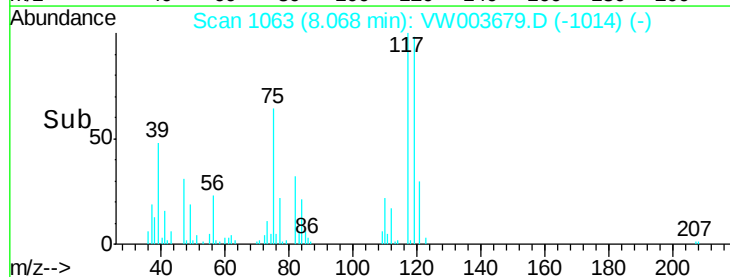
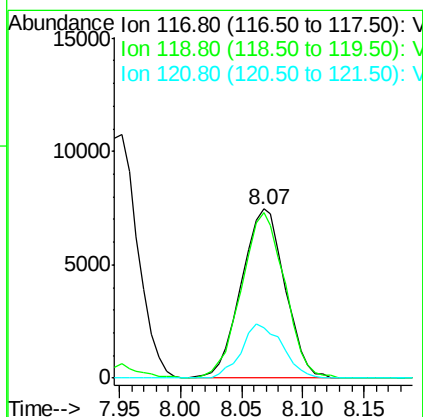
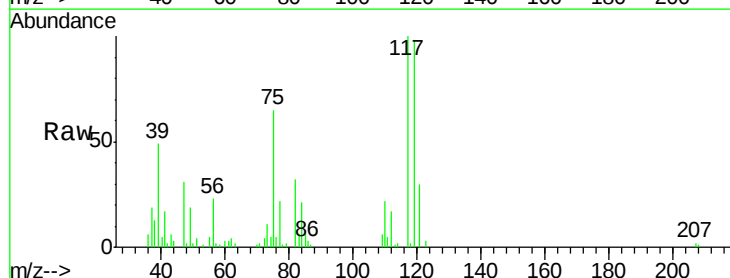
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

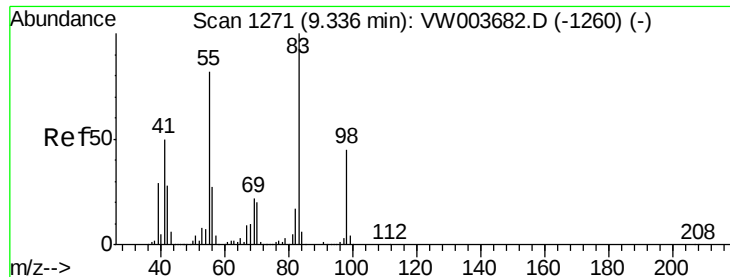
Tgt Ion: 43 Resp: 8499
Ion Ratio Lower Upper
43 100
61 15.6 10.5 15.7
70 10.1 7.7 11.5



#38
Carbon Tetrachloride
Concen: 5.064 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Tgt Ion: 117 Resp: 18556
Ion Ratio Lower Upper
117 100
119 97.8 74.1 111.1
121 29.7 25.0 37.4

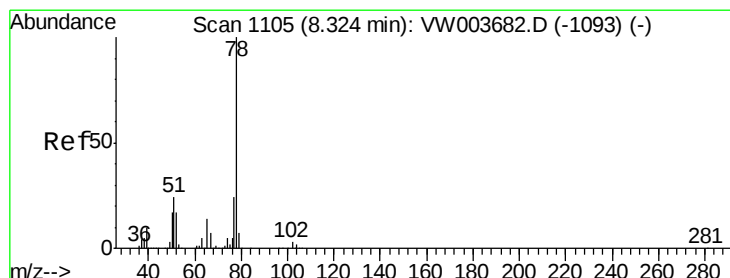
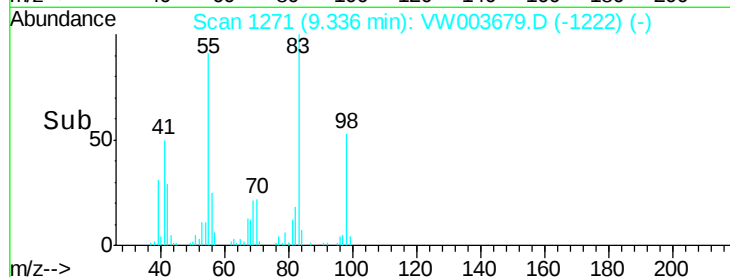
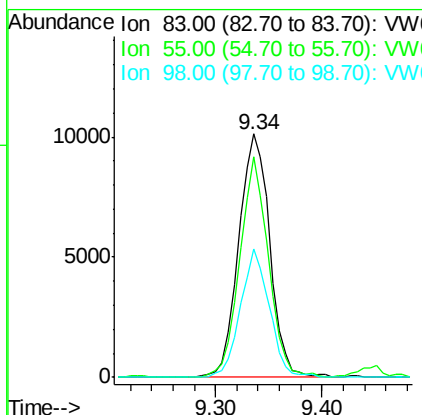
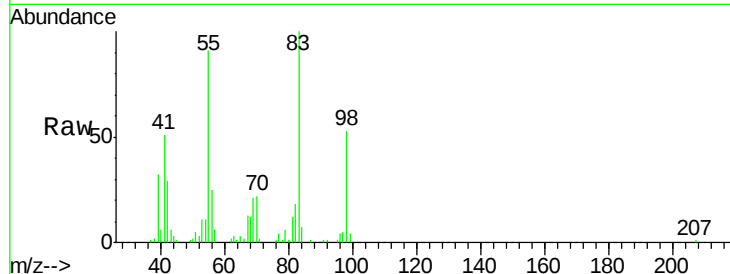




#39
Methylcyclohexane
Concen: 4.746 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

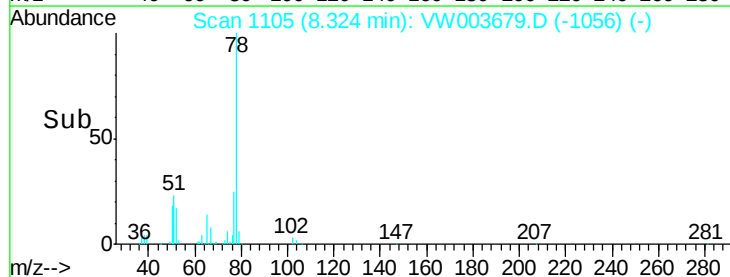
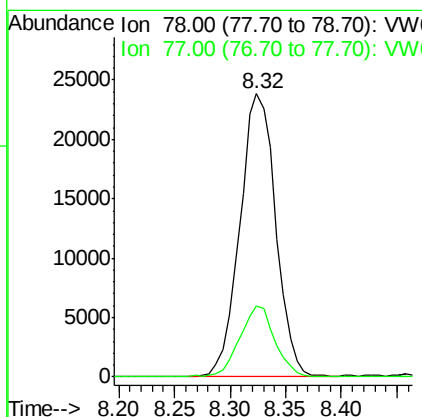
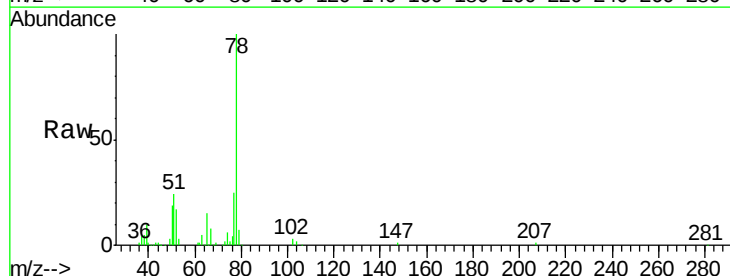
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

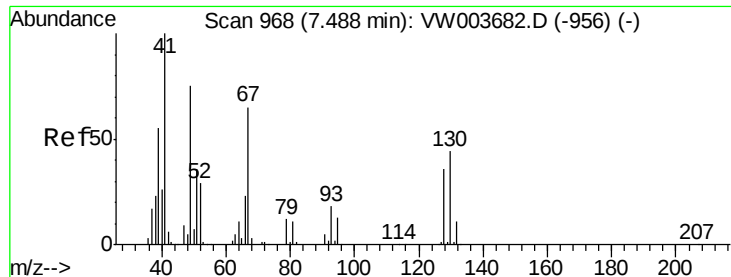
Tgt Ion: 83 Resp: 20752
Ion Ratio Lower Upper
83 100
55 90.5 65.3 97.9
98 53.0 36.3 54.5



#40
Benzene
Concen: 5.153 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Tgt Ion: 78 Resp: 53539
Ion Ratio Lower Upper
78 100
77 25.1 19.4 29.0





#41

Methacrylonitrile

Concen: 4.877 ug/l

RT: 7.49 min Scan# 968

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 4719

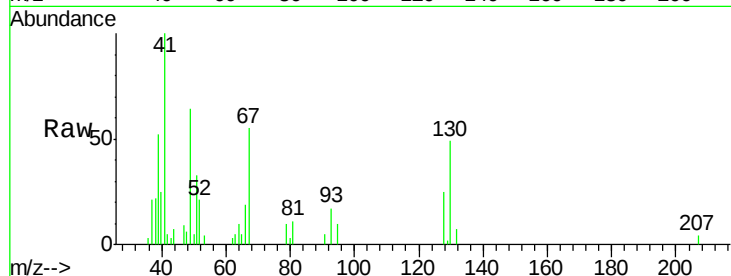
Ion Ratio Lower Upper

41 100

39 53.5 47.8 71.8

67 72.6 53.9 80.9

52 30.9 25.0 37.6

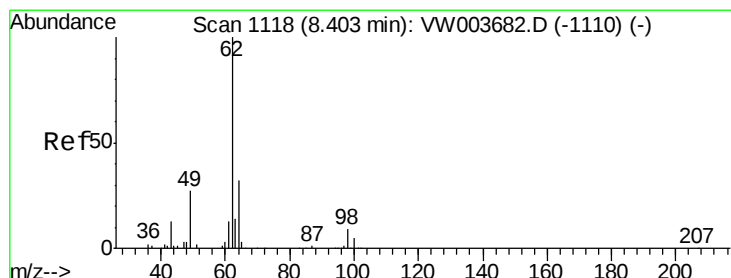
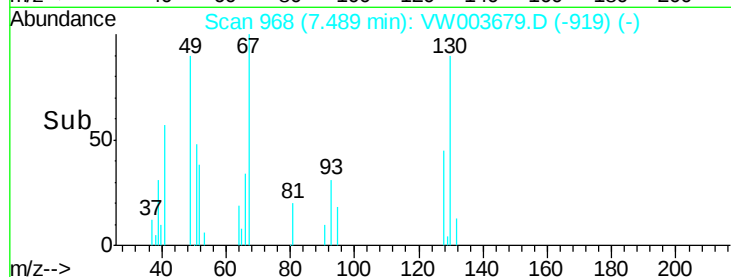
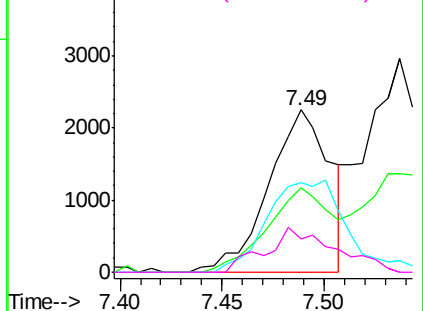


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 5.413 ug/l

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW003679.D

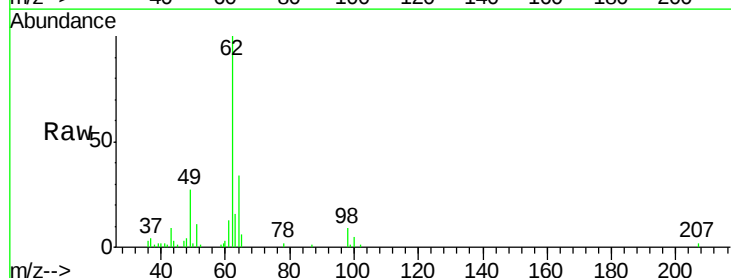
Acq: 02 Jul 2018 16:32

Tgt Ion: 62 Resp: 17597

Ion Ratio Lower Upper

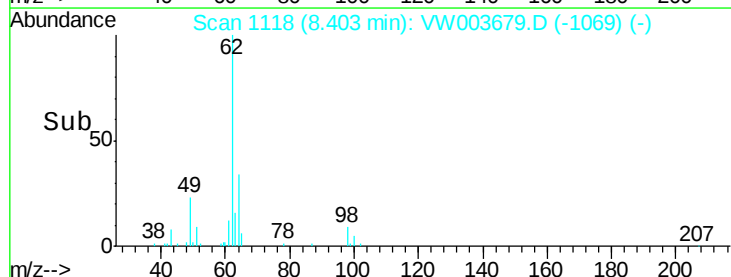
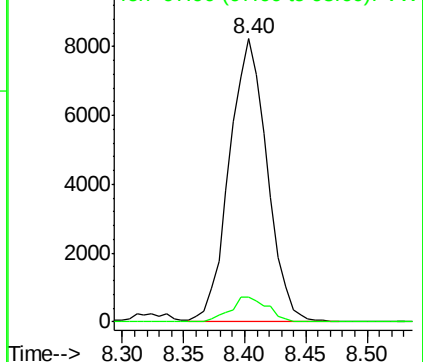
62 100

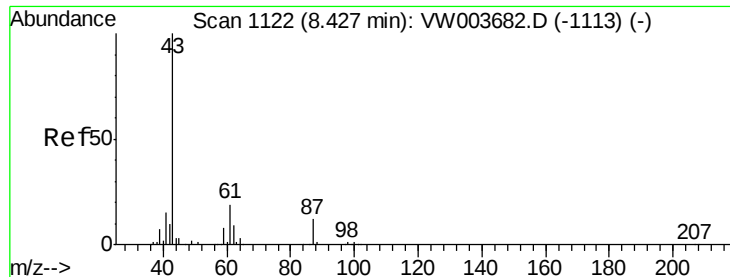
98 8.6 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW

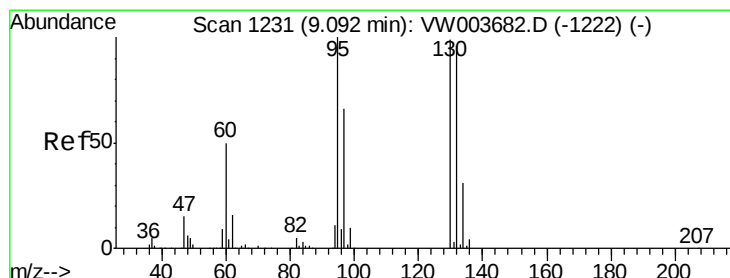
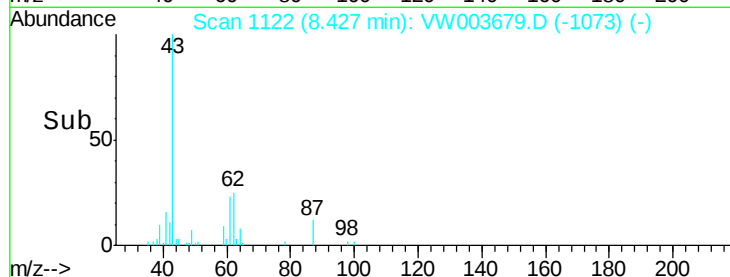
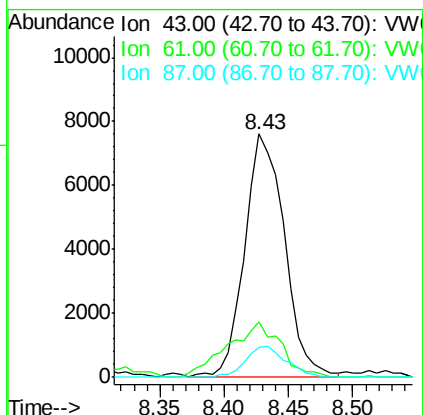
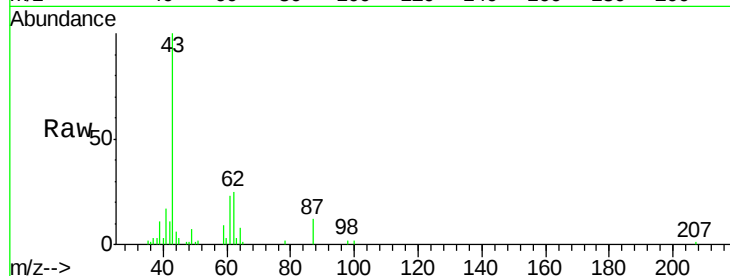




#43
Isopropyl Acetate
Concen: 5.209 ug/l
RT: 8.43 min Scan# 1122
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

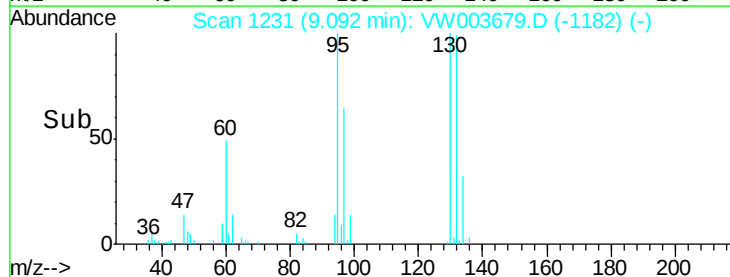
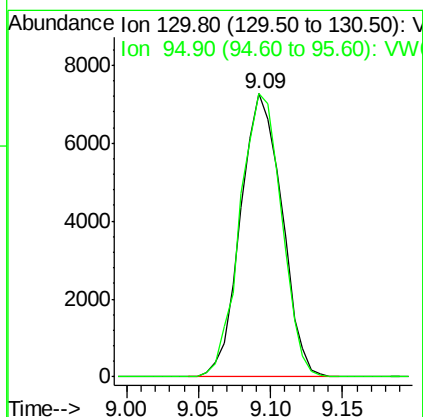
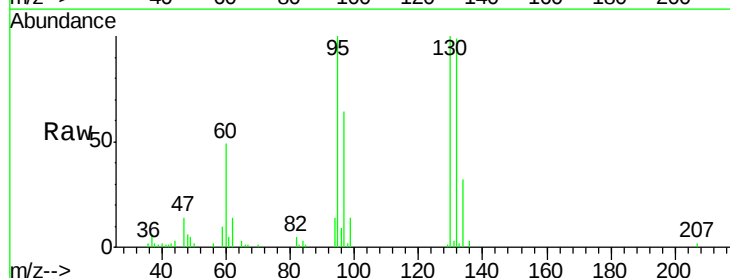
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

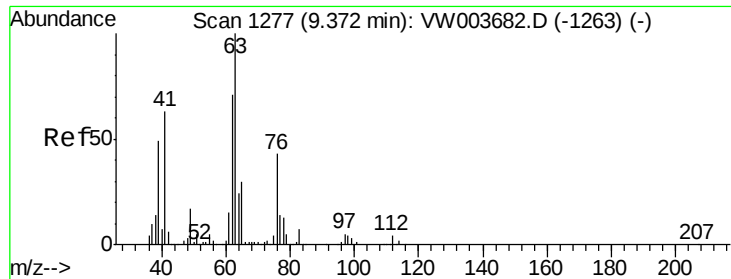
Tgt Ion: 43 Resp: 16337
Ion Ratio Lower Upper
43 100
61 30.5 23.0 34.6
87 12.8 9.8 14.6



#44
Trichloroethene
Concen: 5.293 ug/l
RT: 9.09 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Tgt Ion: 130 Resp: 14444
Ion Ratio Lower Upper
130 100
95 100.1 0.0 202.6

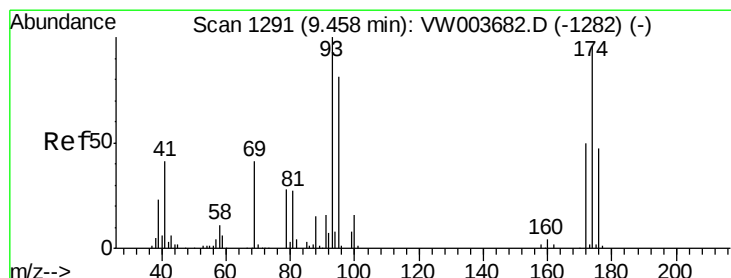
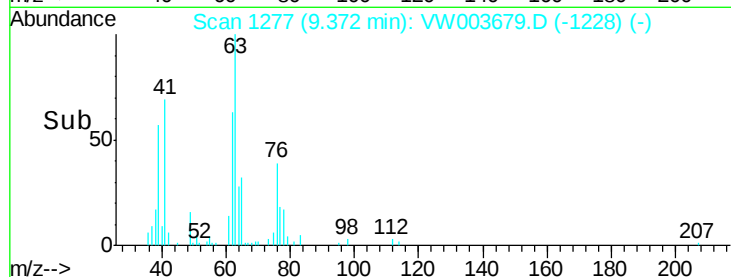
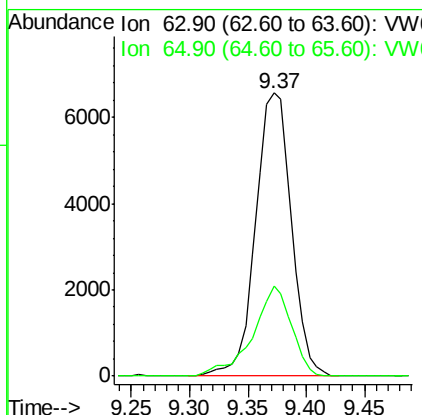
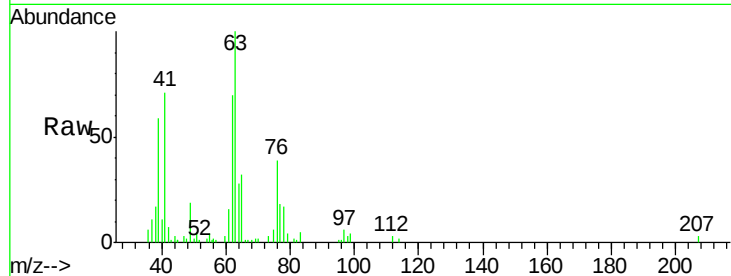




#45
 1,2-Dichloropropane
 Concen: 5.286 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

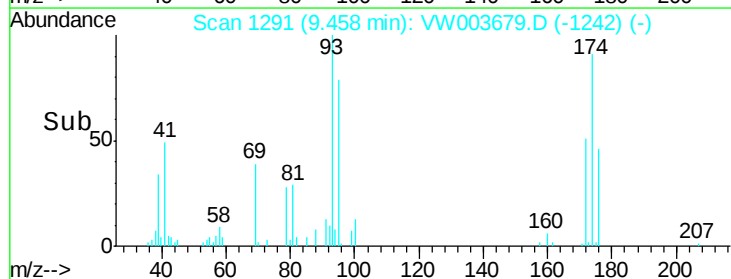
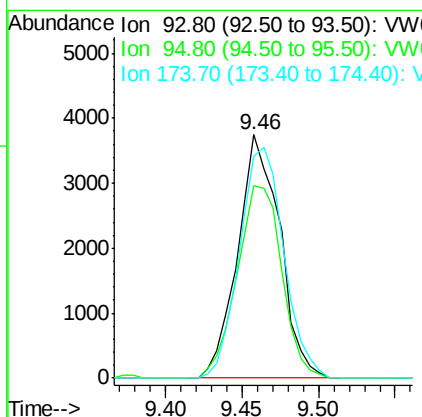
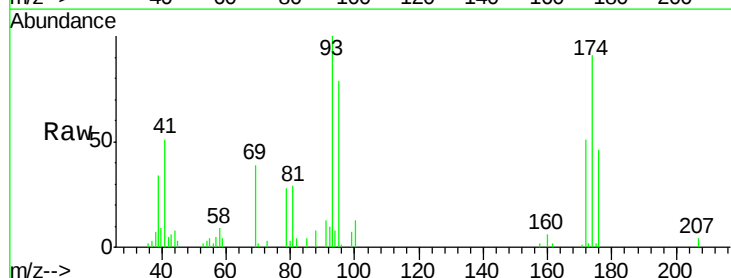
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

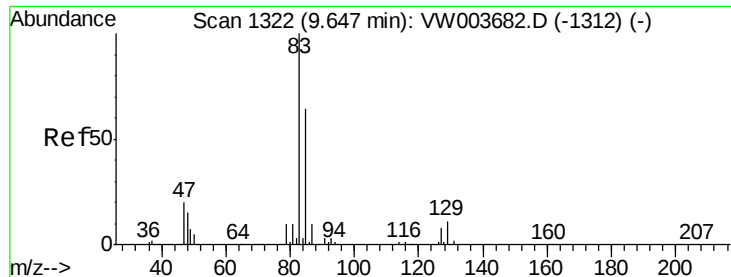
Tgt Ion: 63 Resp: 13978
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.3 36.5



#46
 Dibromomethane
 Concen: 5.268 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Tgt Ion: 93 Resp: 7162
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.2 99.4
 174 99.7 79.6 119.4





#47

Bromodichloromethane

Concen: 5.055 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

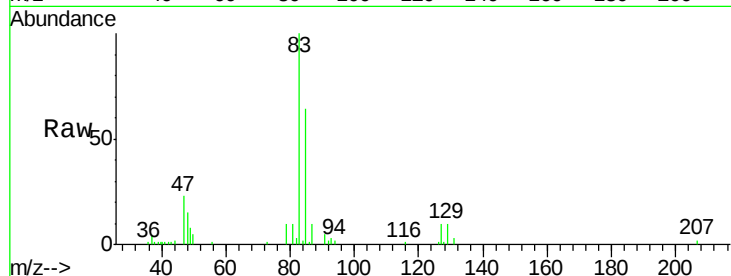
Tgt Ion: 83 Resp: 17517

Ion Ratio Lower Upper

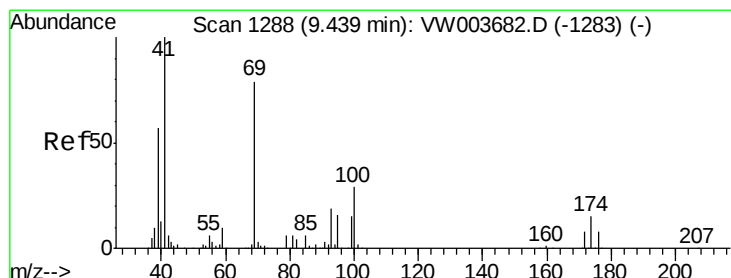
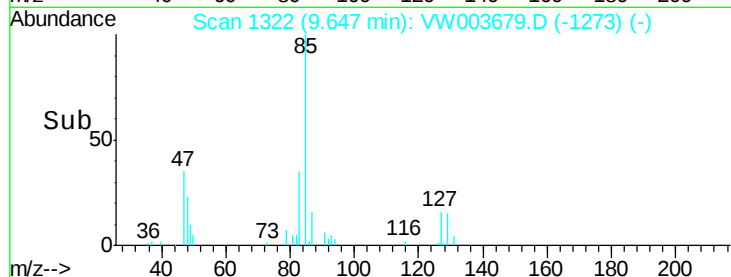
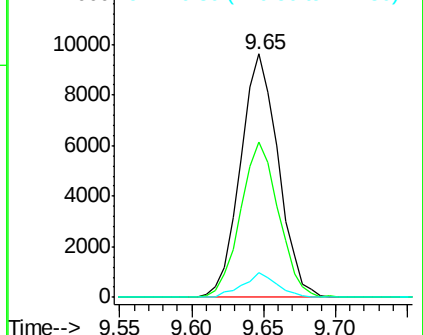
83 100

85 63.6 51.1 76.7

127 10.2 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: 4.811 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

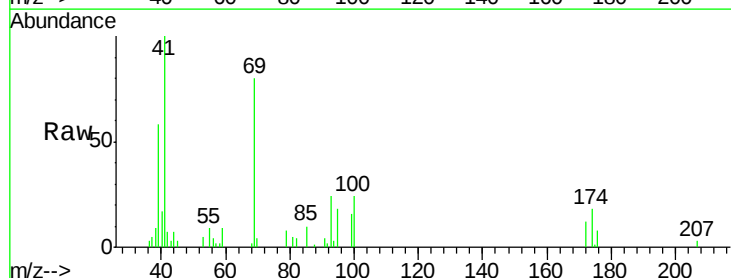
Tgt Ion: 41 Resp: 7114

Ion Ratio Lower Upper

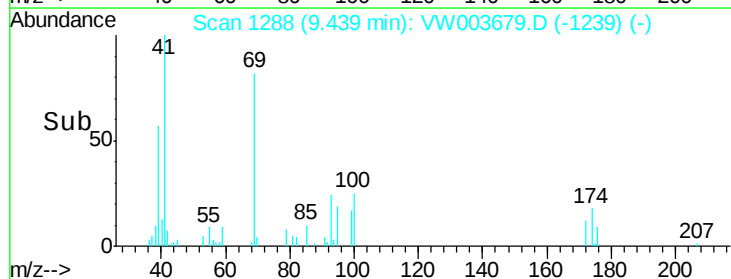
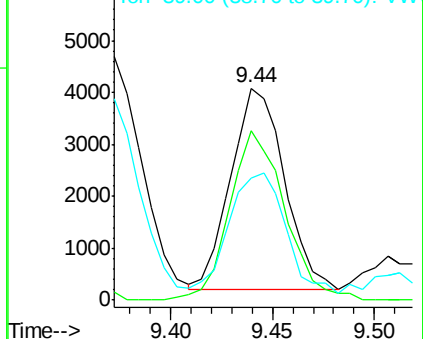
41 100

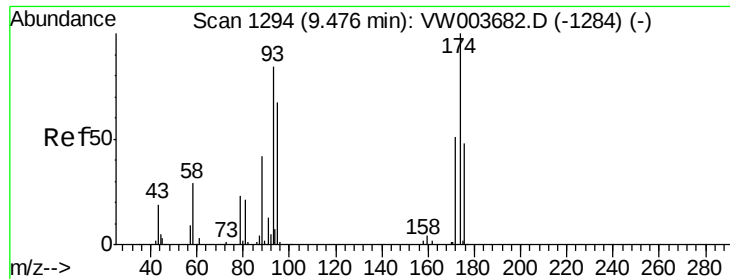
69 86.0 65.4 98.2

39 70.2 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

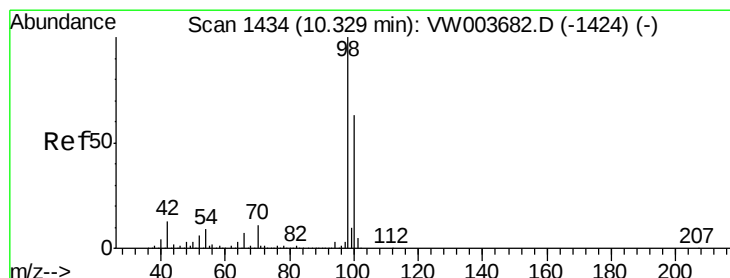
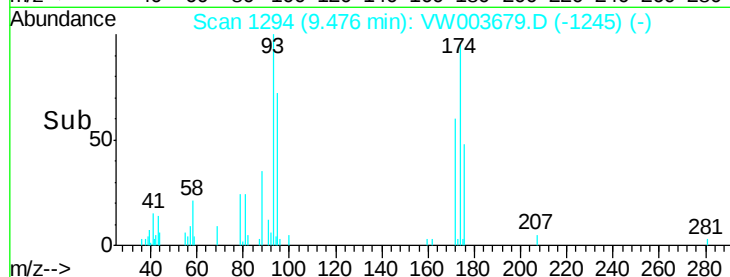
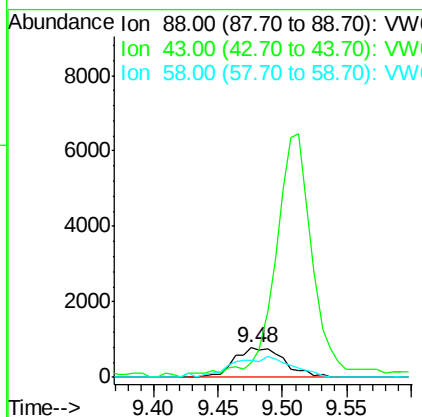
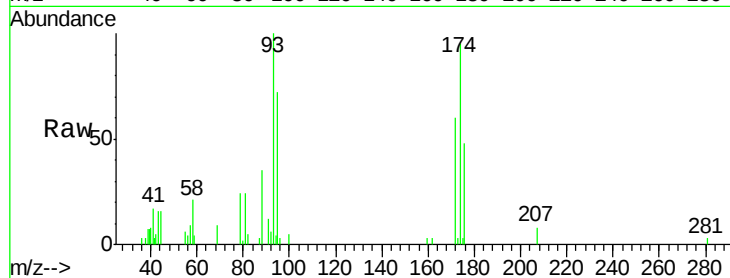




#49
1,4-Dioxane
Concen: 103.601 ug/l
RT: 9.48 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

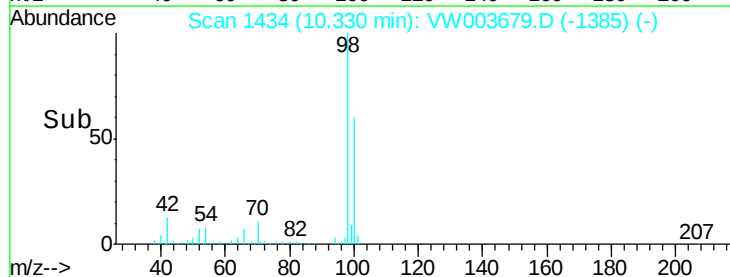
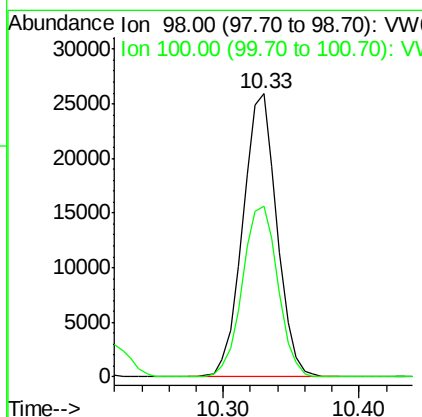
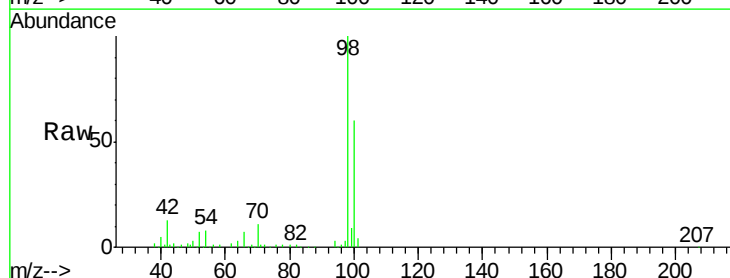
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

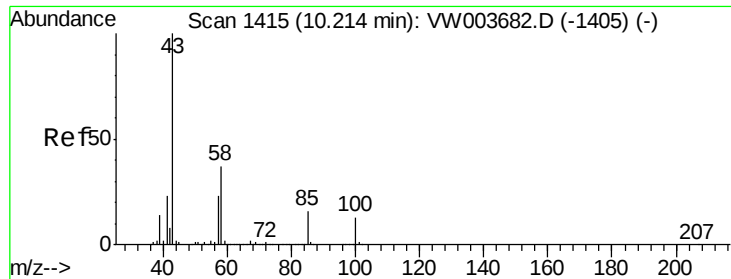
Tgt Ion: 88 Resp: 2131
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 81.3 61.8 92.6



#50
Toluene-d8
Concen: 4.731 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Tgt Ion: 98 Resp: 45269
Ion Ratio Lower Upper
98 100
100 62.9 50.8 76.2

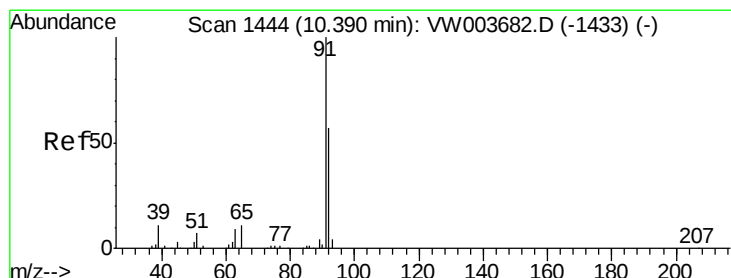
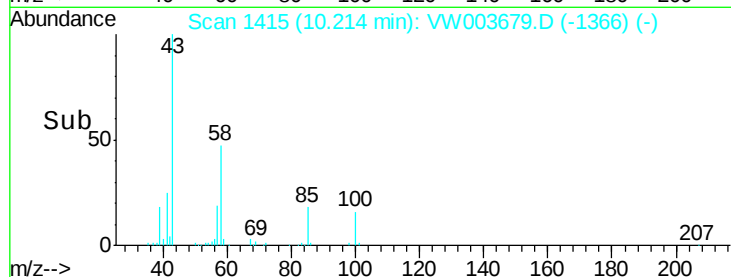
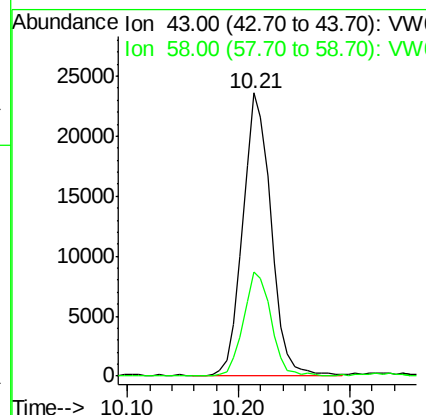
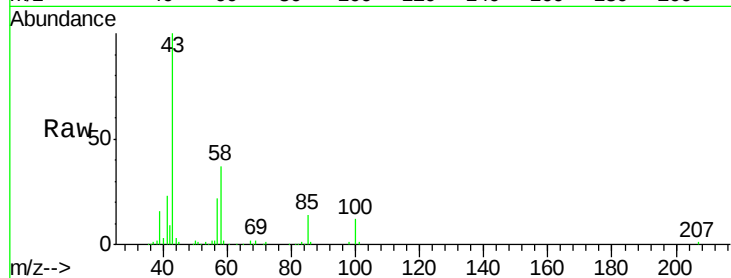




#51
 4-Methyl-2-Pentanone
 Concen: 25.679 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

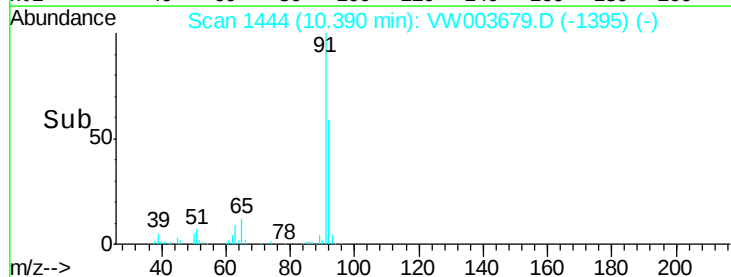
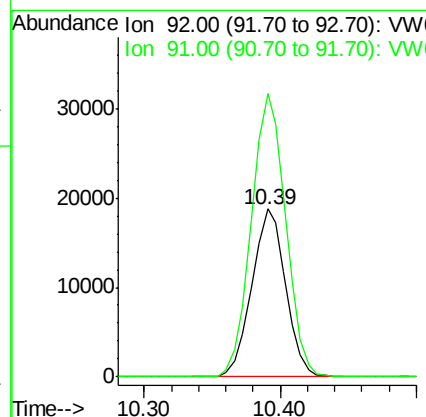
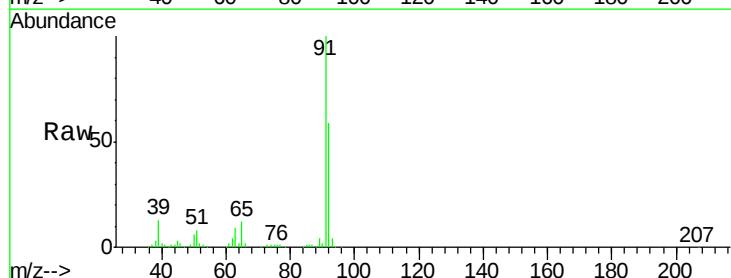
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

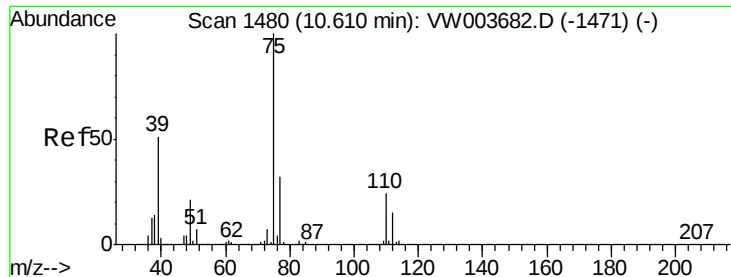
Tgt Ion: 43 Resp: 41306
 Ion Ratio Lower Upper
 43 100
 58 36.5 29.6 44.4



#52
 Toluene
 Concen: 4.902 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Tgt Ion: 92 Resp: 32592
 Ion Ratio Lower Upper
 92 100
 91 171.5 140.2 210.2





#53

t-1,3-Dichloropropene

Concen: 4.757 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

ClientSampled :

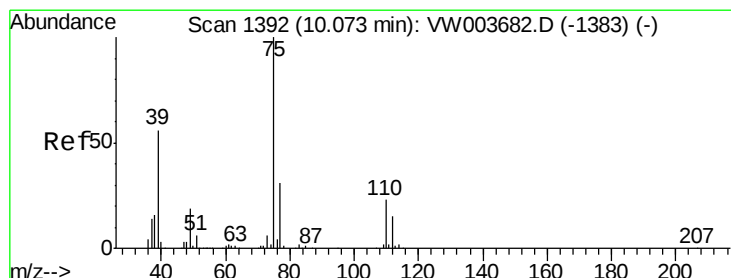
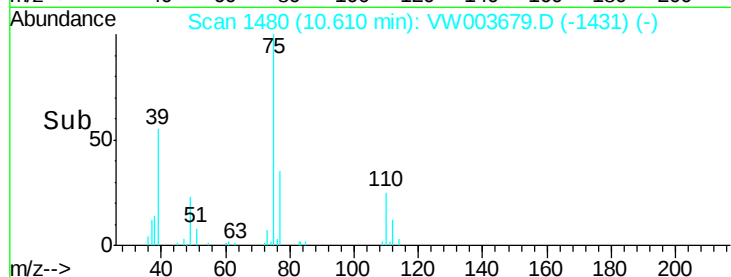
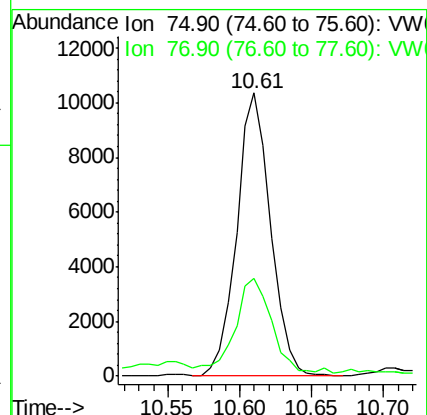
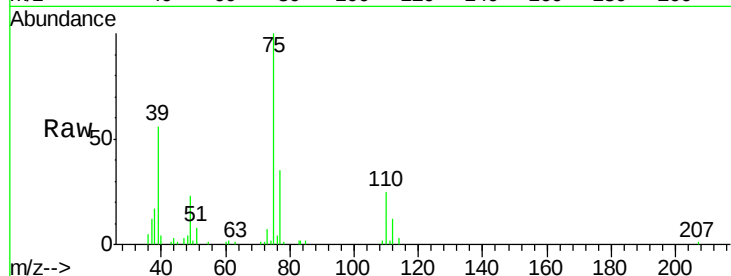
VSTDIC005

Tgt Ion: 75 Resp: 16883

Ion Ratio Lower Upper

75 100

77 33.2 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 4.820 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

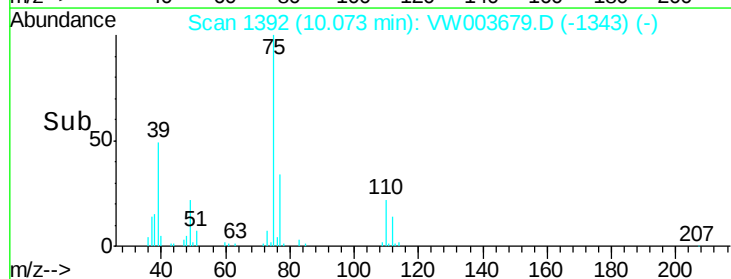
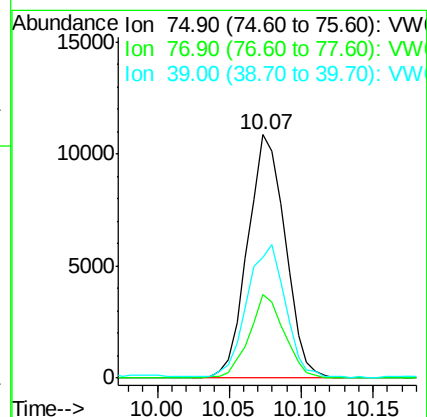
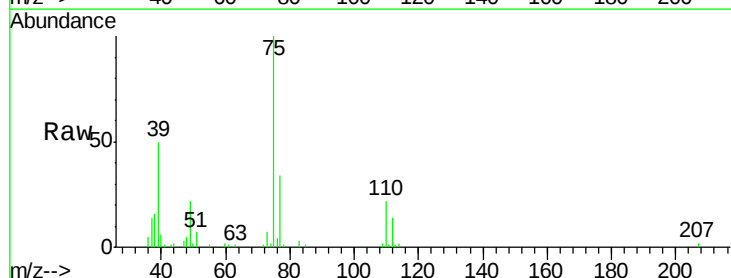
Tgt Ion: 75 Resp: 19499

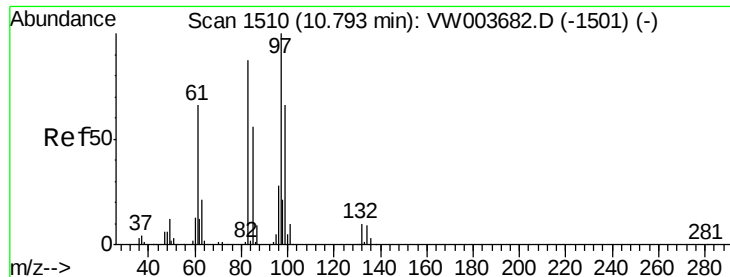
Ion Ratio Lower Upper

75 100

77 34.2 24.9 37.3

39 48.9 44.6 67.0





#55

1,1,2-Trichloroethane

Concen: 5.307 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 10162

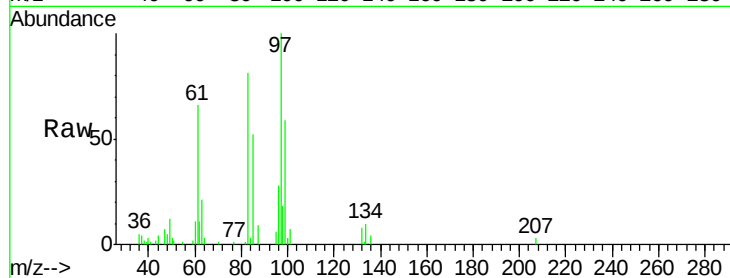
Ion Ratio Lower Upper

97 100

83 80.9 69.5 104.3

85 52.4 44.7 67.1

99 59.1 52.6 78.8

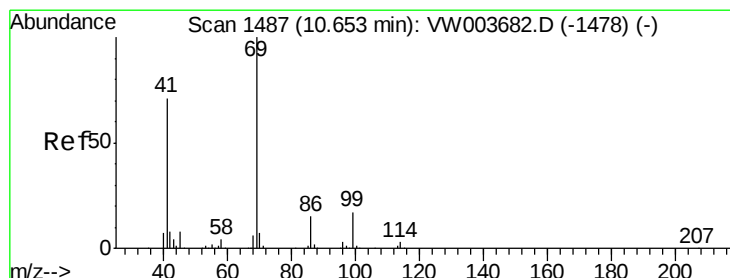
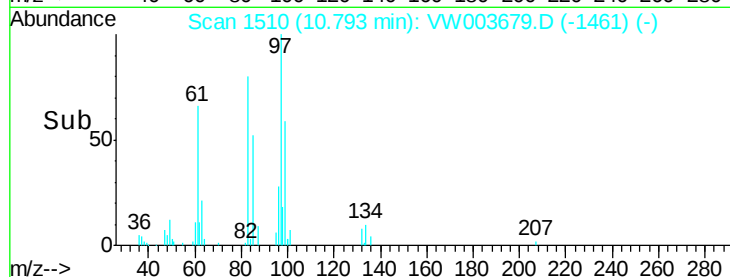
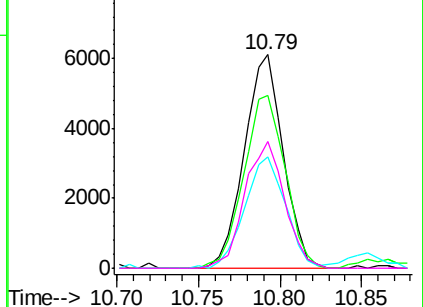


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 4.358 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

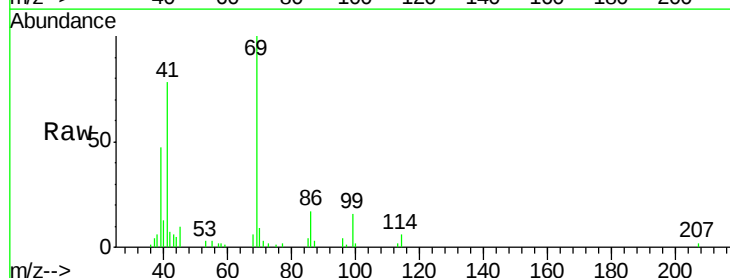
Tgt Ion: 69 Resp: 10201

Ion Ratio Lower Upper

69 100

41 80.6 57.5 86.3

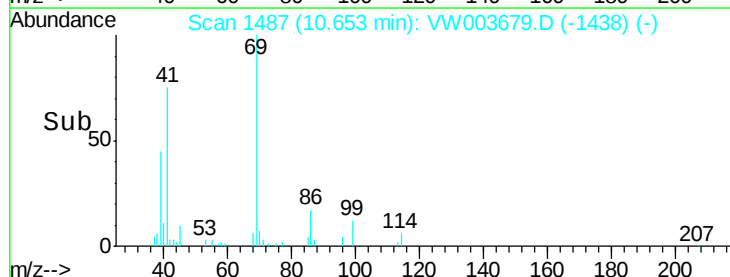
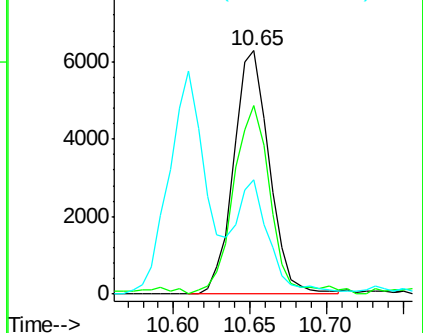
39 39.9 29.4 44.0

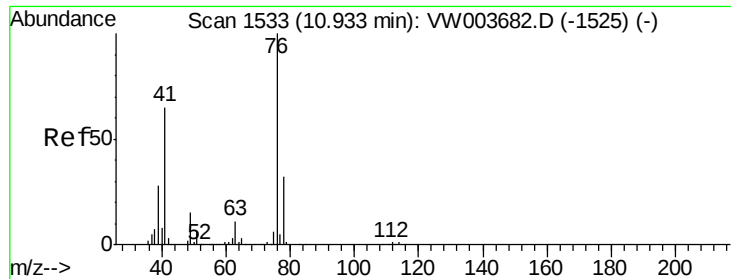


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

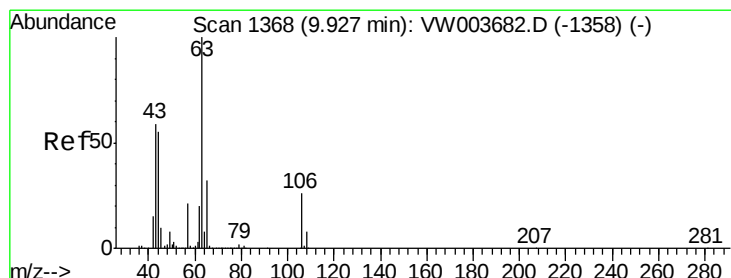
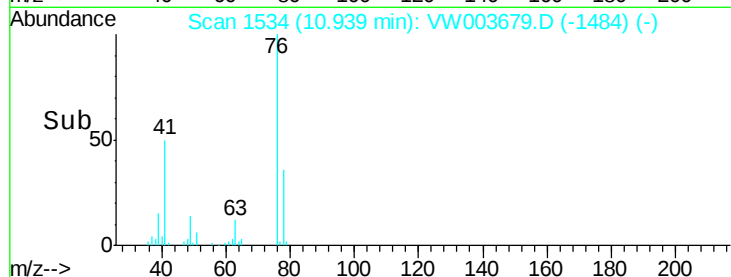
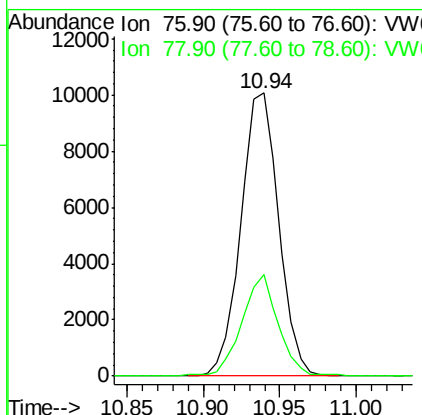
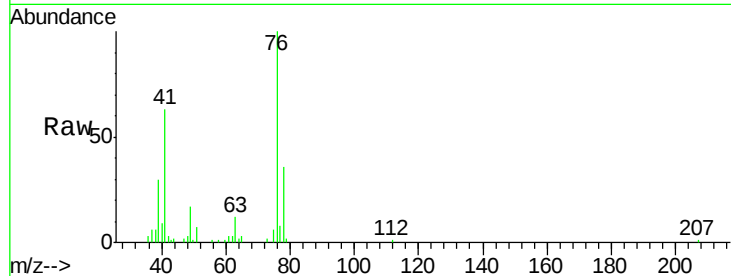




#57
 1,3-Dichloropropane
 Concen: 5.224 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

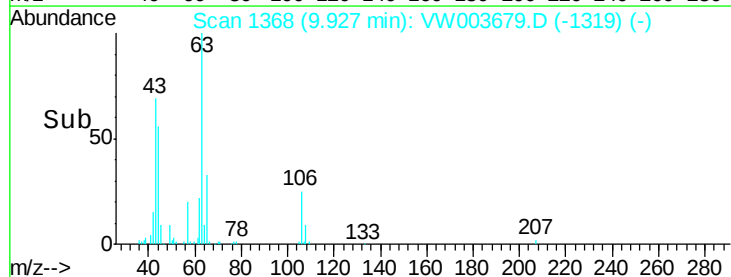
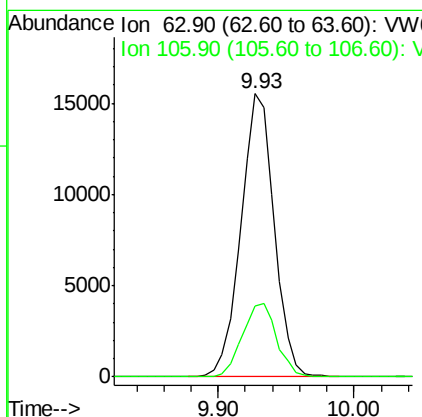
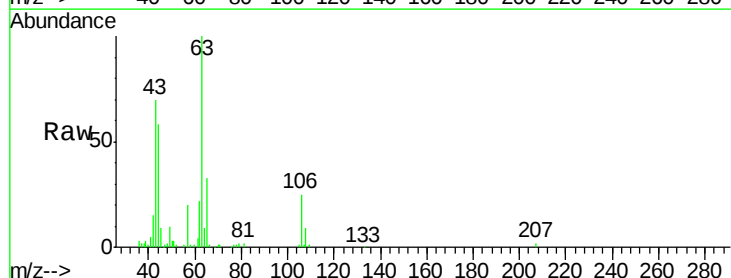
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

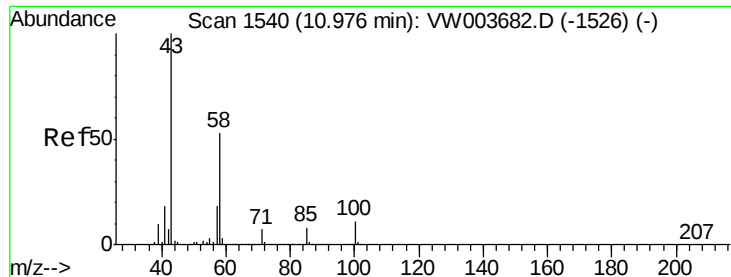
Tgt Ion: 76 Resp: 17289
 Ion Ratio Lower Upper
 76 100
 78 34.6 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 25.668 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Tgt Ion: 63 Resp: 26489
 Ion Ratio Lower Upper
 63 100
 106 26.8 20.7 31.1

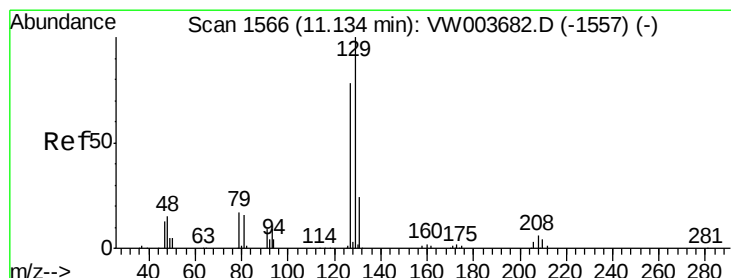
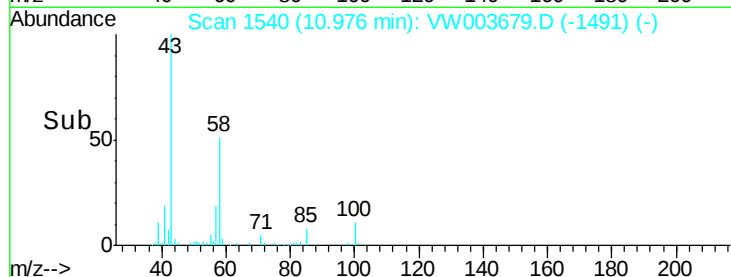
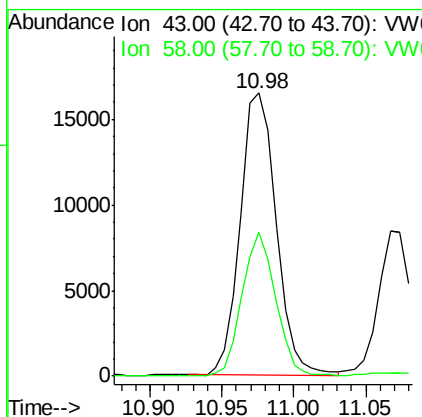
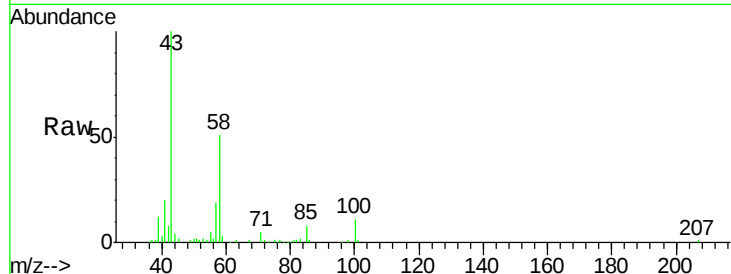




#59
2-Hexanone
Concen: 25.397 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

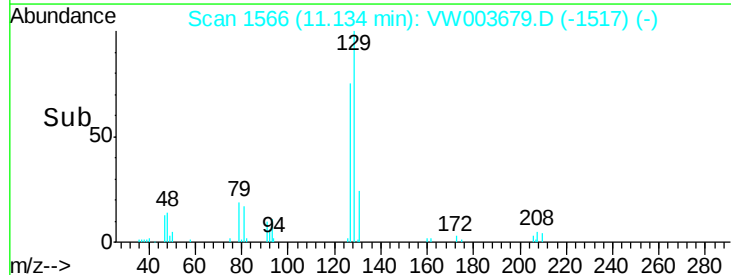
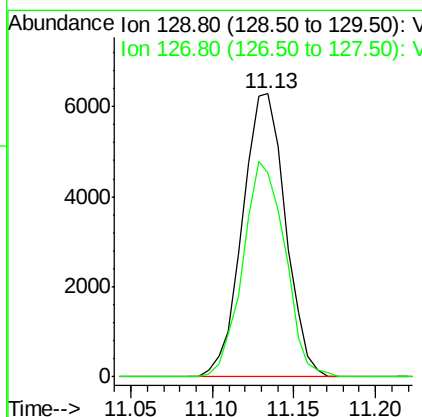
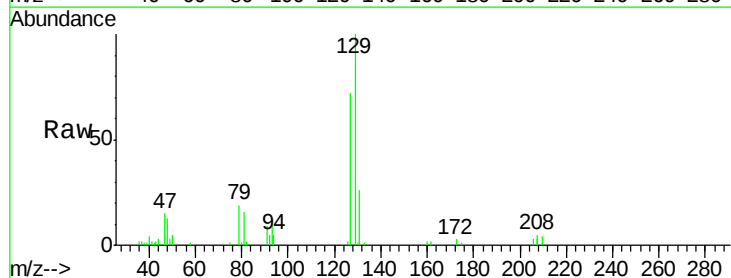
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

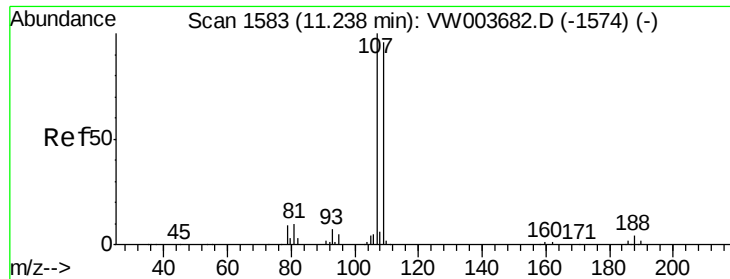
Tgt Ion: 43 Resp: 28598
Ion Ratio Lower Upper
43 100
58 47.7 25.9 77.6



#60
Dibromochloromethane
Concen: 5.102 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Tgt Ion: 129 Resp: 11548
Ion Ratio Lower Upper
129 100
127 74.8 39.1 117.2

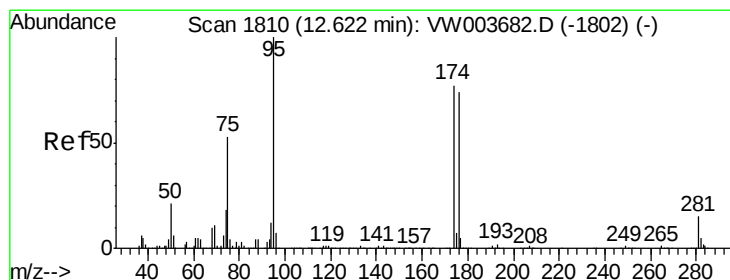
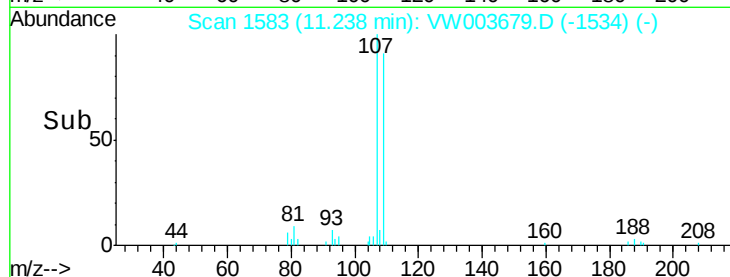
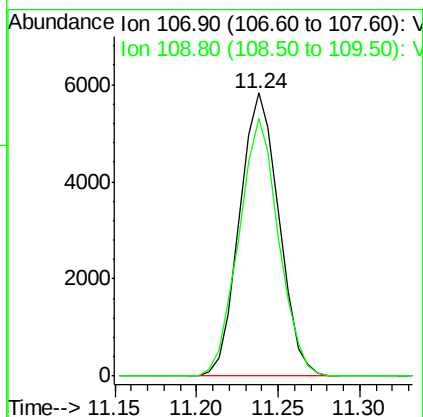
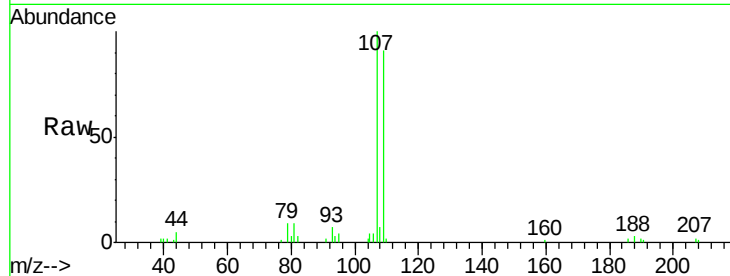




#61
 1,2-Dibromoethane
 Concen: 5.406 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

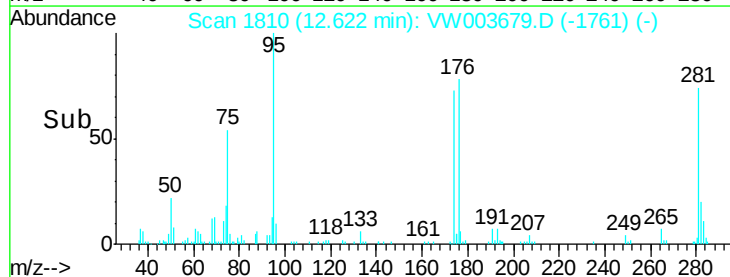
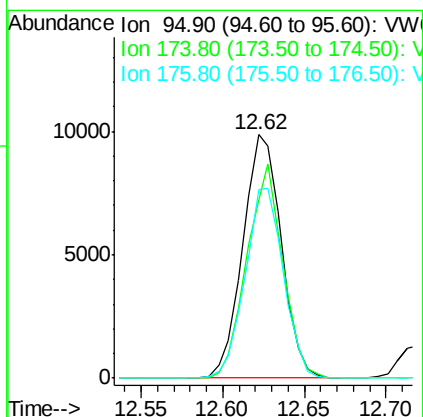
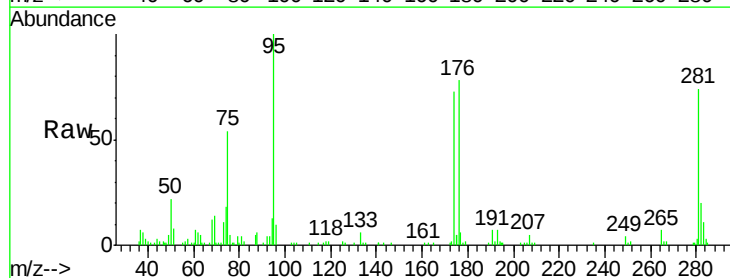
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

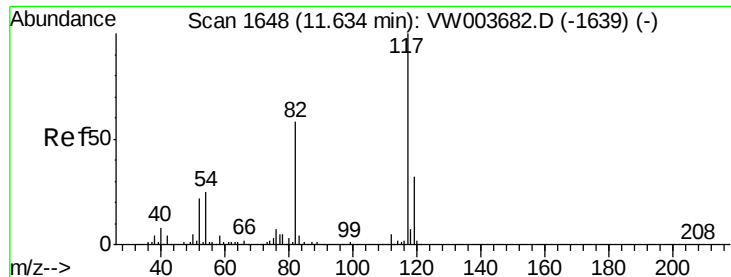
Tgt Ion: 107 Resp: 9794
 Ion Ratio Lower Upper
 107 100
 109 92.2 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 4.772 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Tgt Ion: 95 Resp: 16229
 Ion Ratio Lower Upper
 95 100
 174 81.8 0.0 161.2
 176 77.6 0.0 155.0

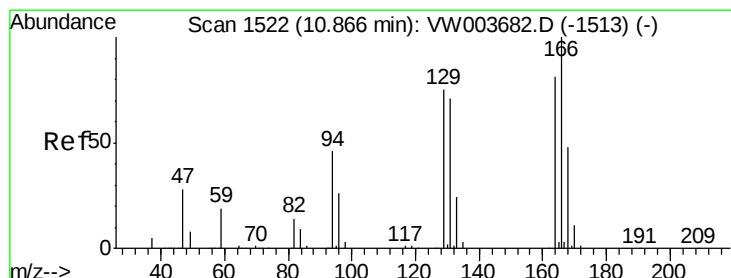
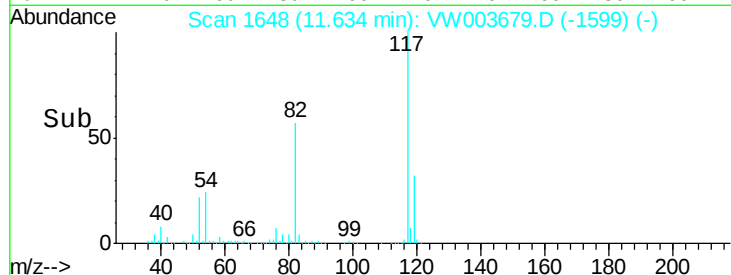
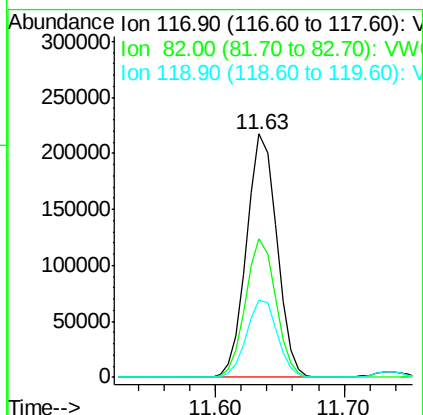
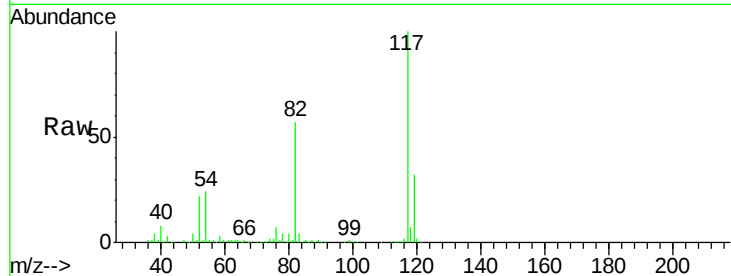




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

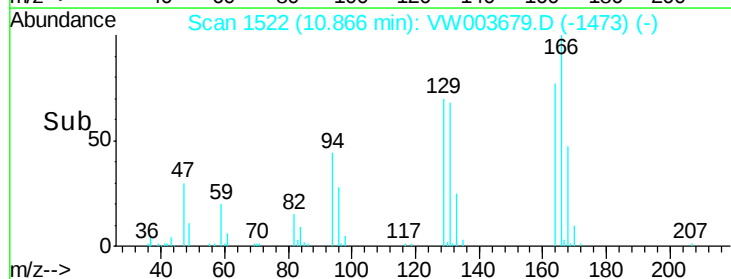
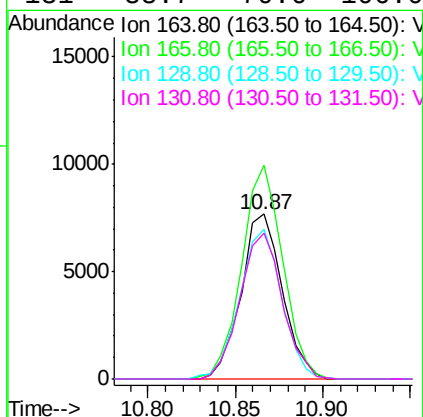
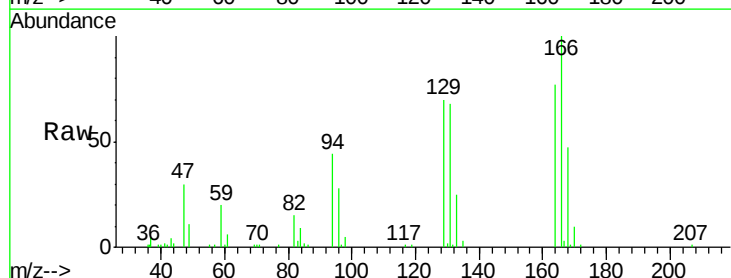
Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

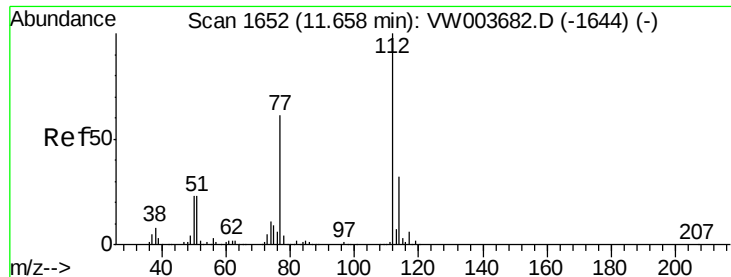
Tgt Ion:117 Resp: 352969
Ion Ratio Lower Upper
117 100
82 56.8 46.0 69.0
119 31.8 25.4 38.0



#64
Tetrachloroethene
Concen: 5.305 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Tgt Ion:164 Resp: 12629
Ion Ratio Lower Upper
164 100
166 129.7 99.0 148.4
129 91.1 73.8 110.6
131 88.7 70.6 106.0





#65

Chlorobenzene

Concen: 5.045 ug/l

RT: 11.66 min Scan# 1652

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

ClientSampleId :

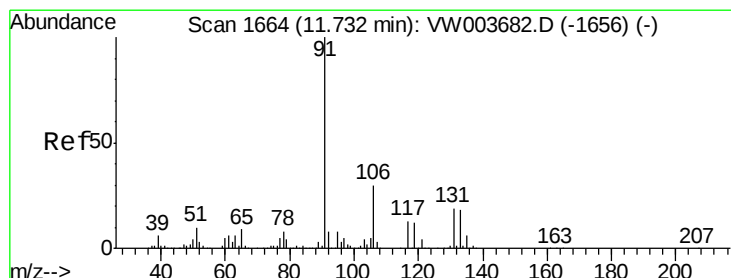
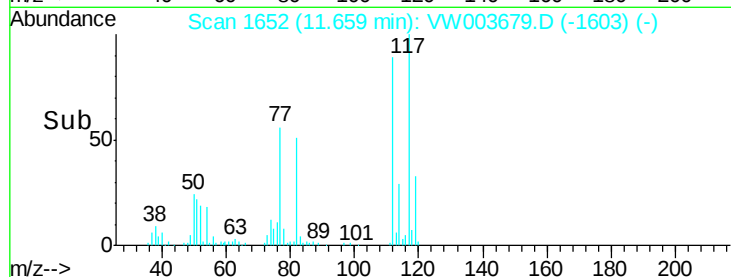
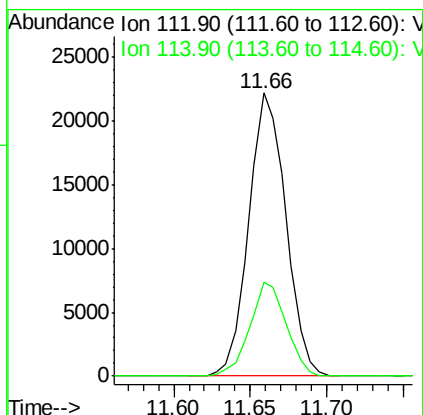
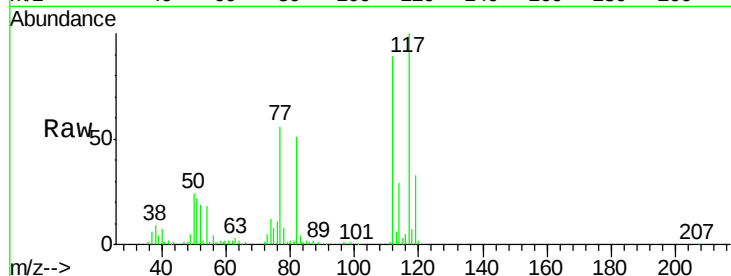
VSTDIC005

Tgt Ion:112 Resp: 37410

Ion Ratio Lower Upper

112 100

114 33.0 25.8 38.8



#66

1,1,1,2-Tetrachloroethane

Concen: 4.813 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.01 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

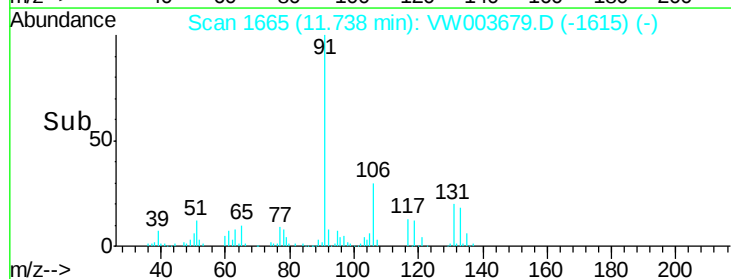
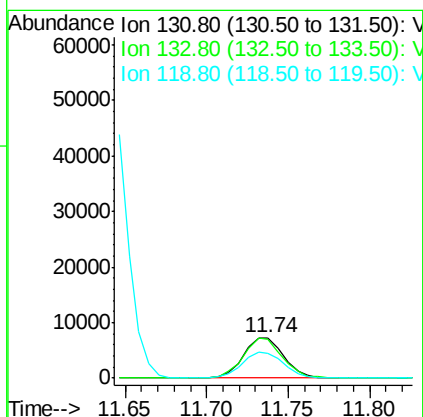
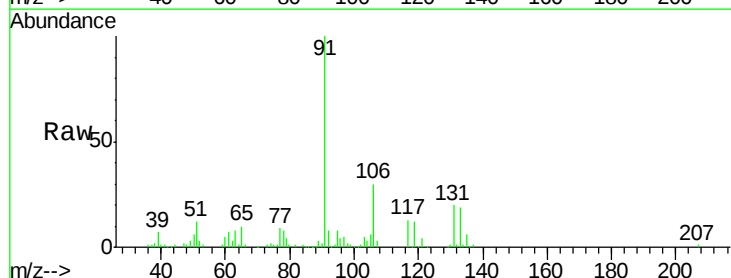
Tgt Ion:131 Resp: 12520

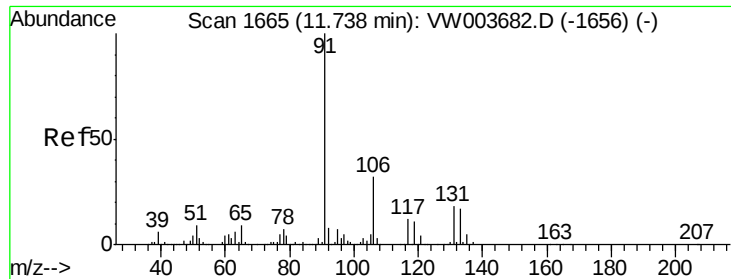
Ion Ratio Lower Upper

131 100

133 97.7 47.6 142.8

119 66.1 31.9 95.9

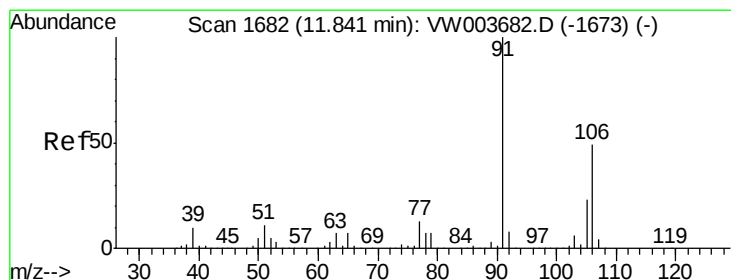
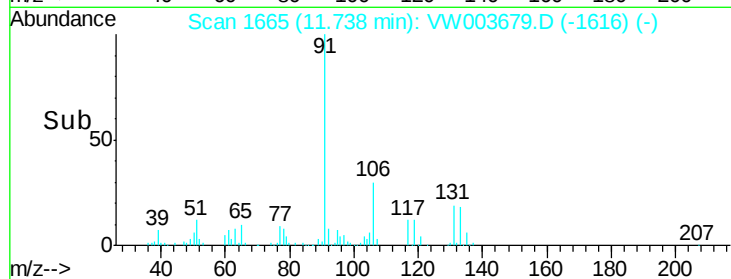
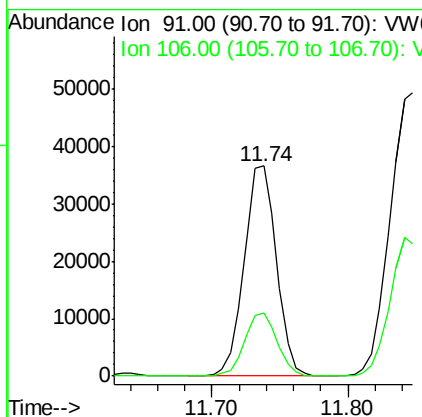
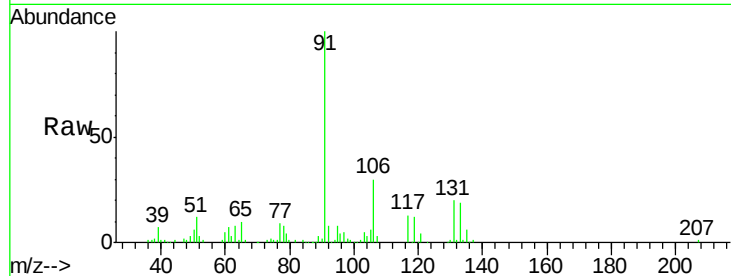




#67
Ethyl Benzene
Concen: 4.624 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

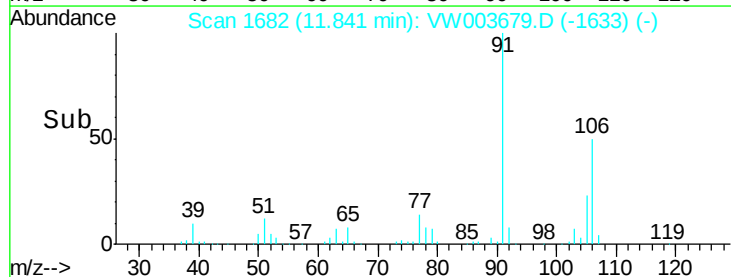
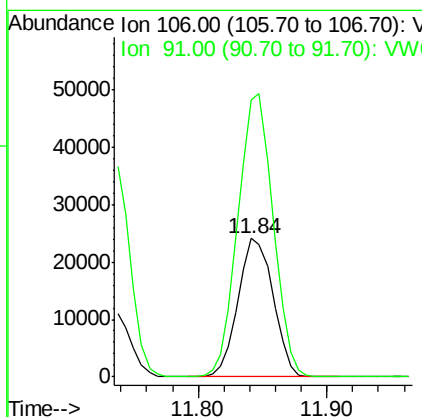
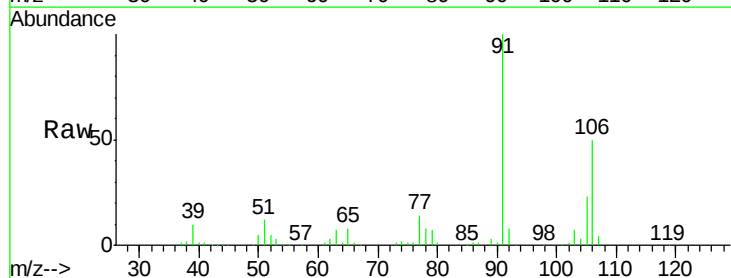
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

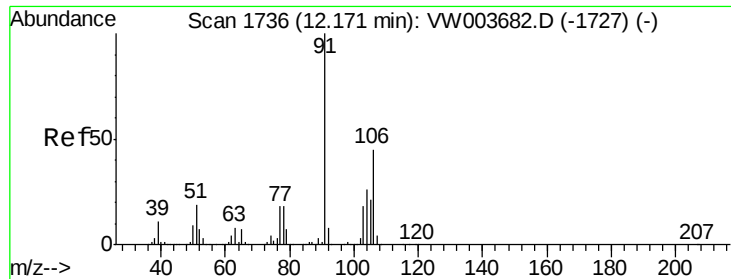
Tgt Ion: 91 Resp: 60834
Ion Ratio Lower Upper
91 100
106 30.3 25.2 37.8



#68
m/p-Xylenes
Concen: 9.138 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Tgt Ion: 106 Resp: 45701
Ion Ratio Lower Upper
106 100
91 204.1 163.7 245.5

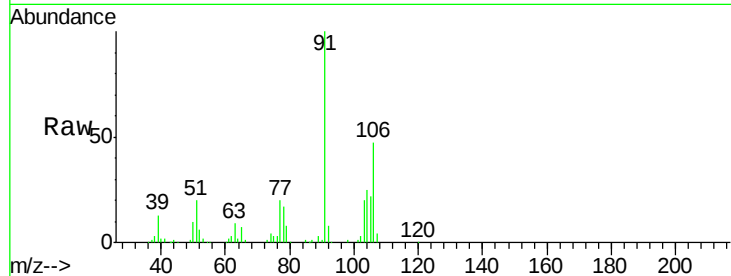




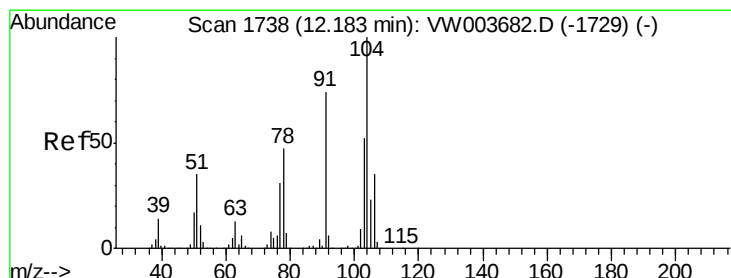
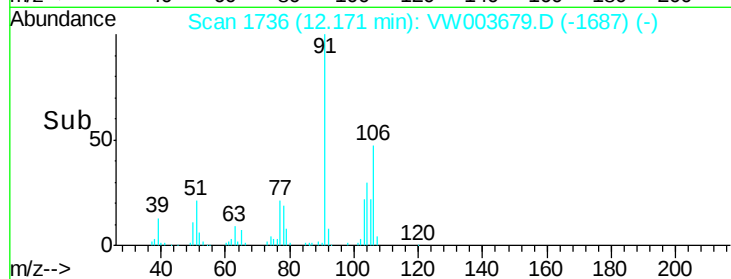
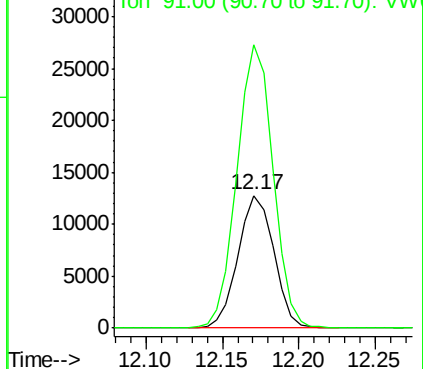
#69
o-Xylene
Concen: 4.516 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 20858
Ion Ratio Lower Upper
106 100
91 214.7 109.3 327.8

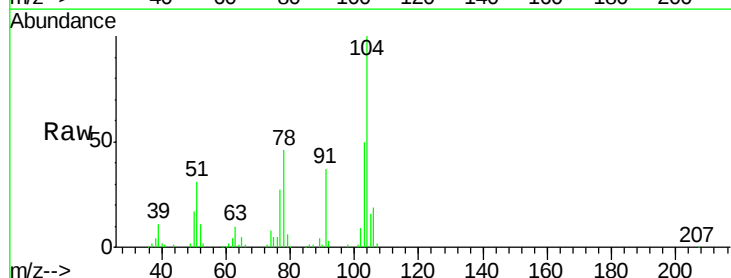


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

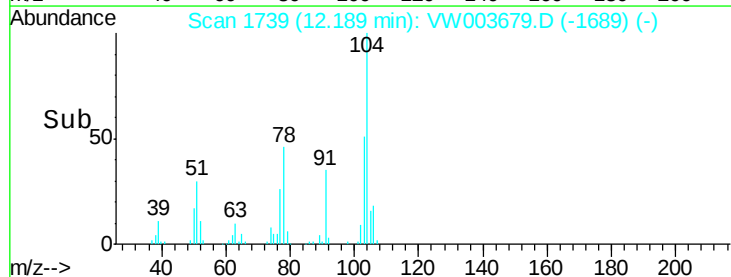
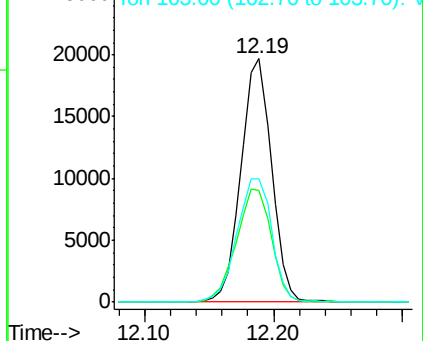


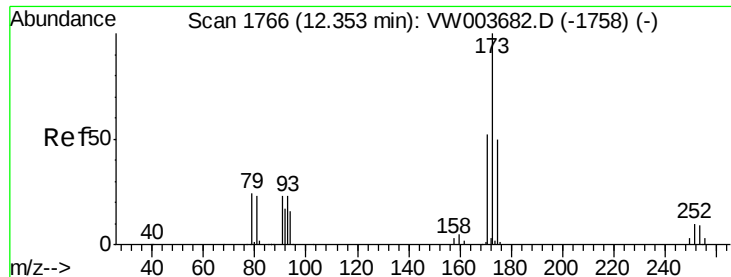
#70
Styrene
Concen: 4.197 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Tgt Ion:104 Resp: 32426
Ion Ratio Lower Upper
104 100
78 52.9 40.2 60.4
103 57.9 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW
Ion 103.00 (102.70 to 103.70): V

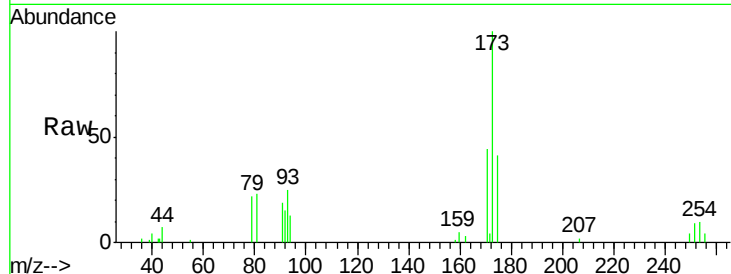




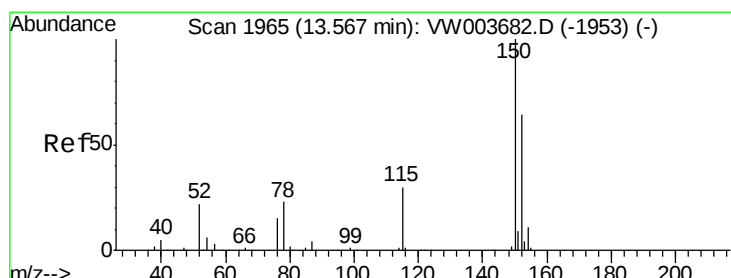
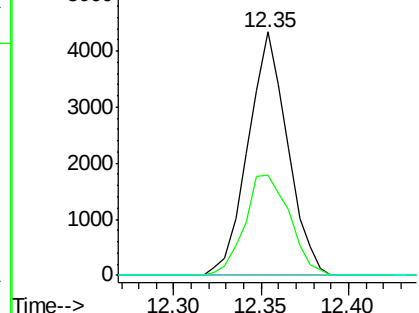
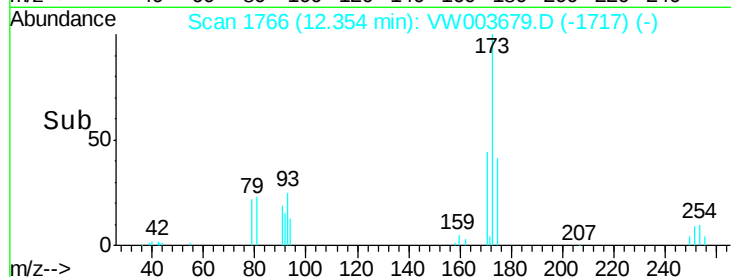
#71
Bromoform
Concen: 5.009 ug/l
RT: 12.35 min Scan# 1766
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:173 Resp: 6802
Ion Ratio Lower Upper
173 100
175 46.9 24.5 73.5
254 0.0 0.2 0.2#

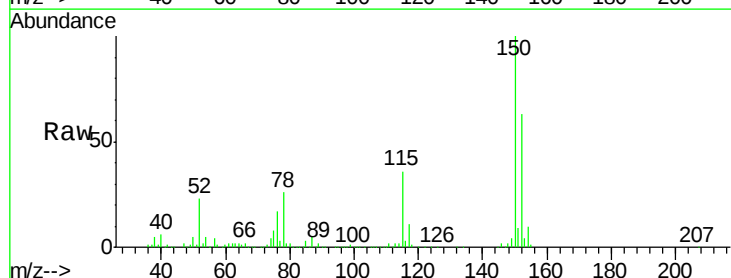


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

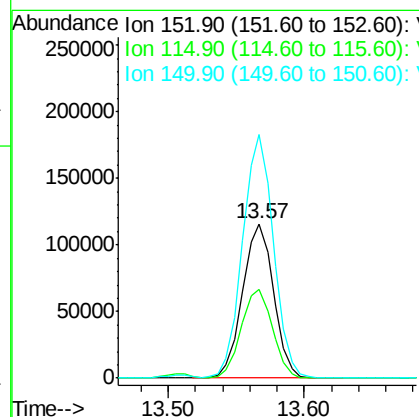
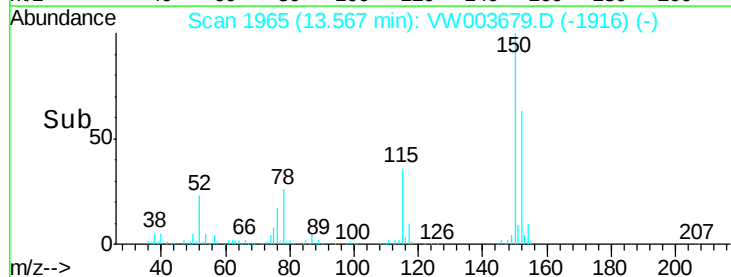


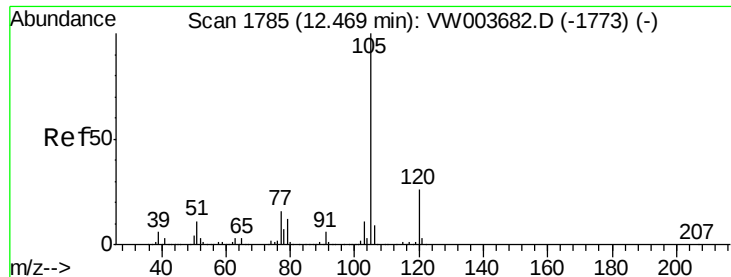
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Tgt Ion:152 Resp: 184536
Ion Ratio Lower Upper
152 100
115 58.1 29.3 88.0
150 157.6 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: 4.370 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

ClientSampleId :

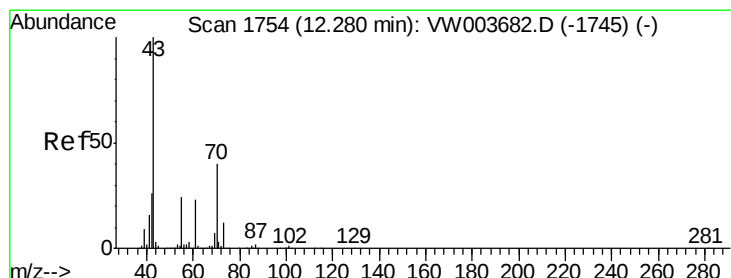
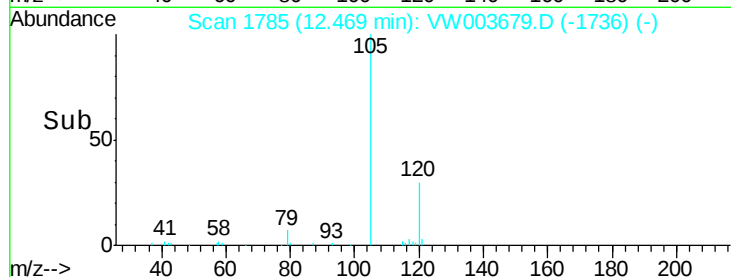
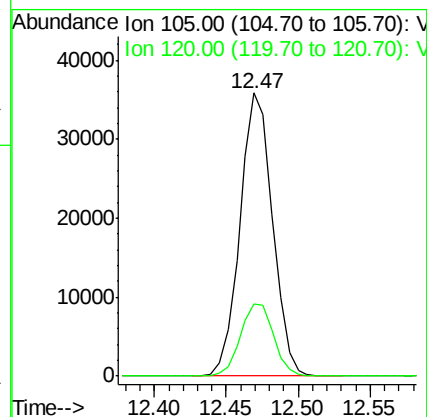
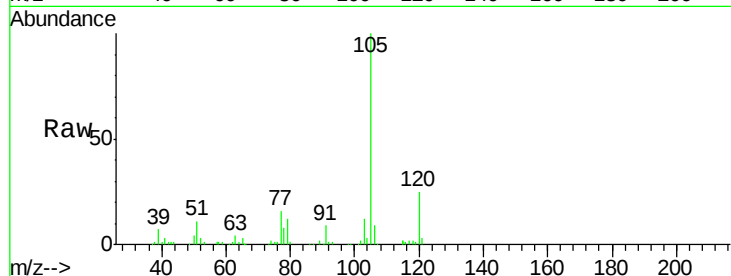
VSTDIC005

Tgt Ion: 105 Resp: 56317

Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.3



#74

N-ethyl acetate

Concen: 4.767 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Tgt Ion: 43 Resp: 14310

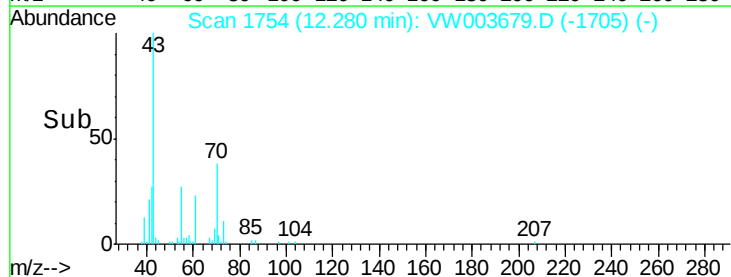
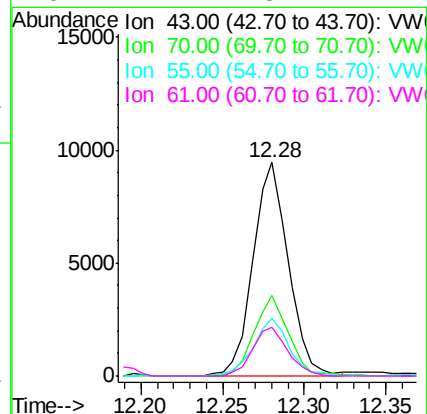
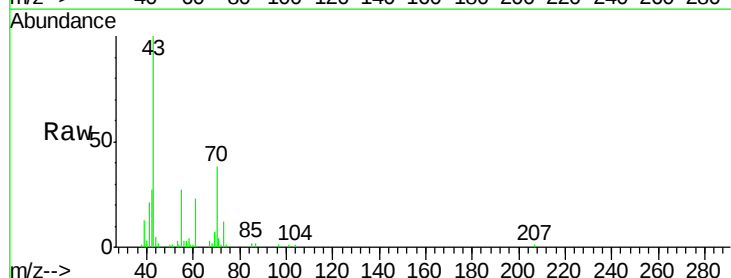
Ion Ratio Lower Upper

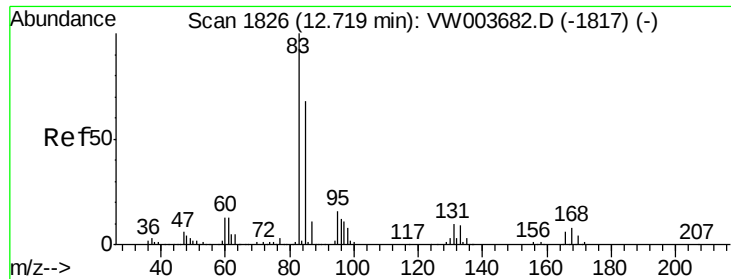
43 100

70 36.8 31.3 46.9

55 27.4 20.1 30.1

61 22.4 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 5.487 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

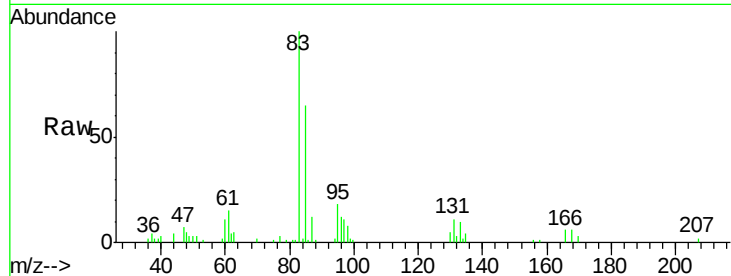
Tgt Ion: 83 Resp: 12207

Ion Ratio Lower Upper

83 100

131 10.4 5.3 15.9

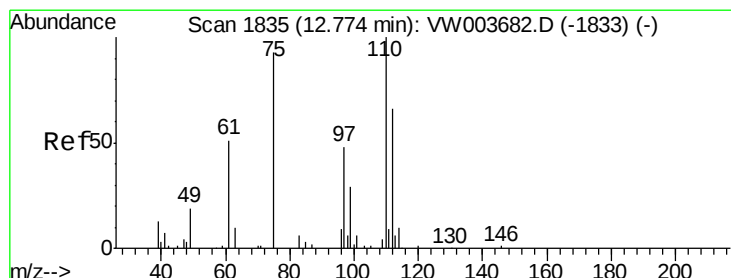
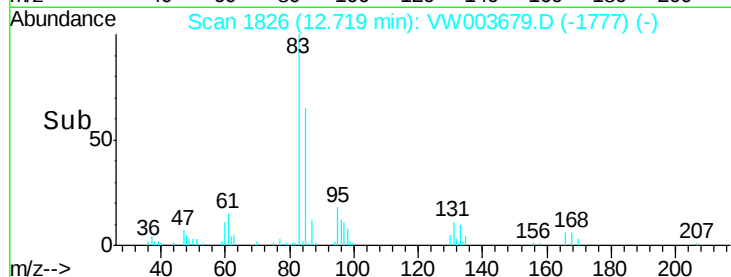
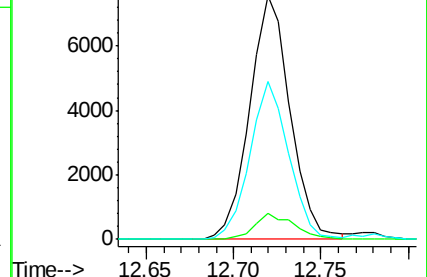
85 62.0 31.9 95.9



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: 9.559 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003679.D

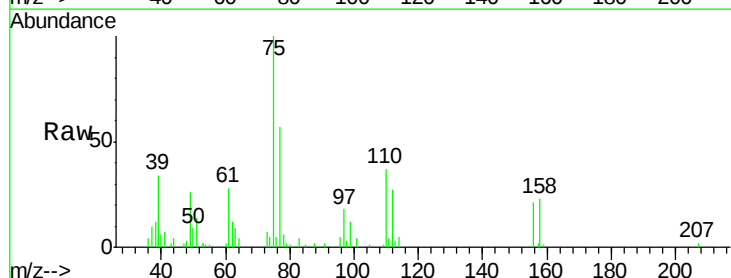
Acq: 02 Jul 2018 16:32

Tgt Ion: 75 Resp: 15279

Ion Ratio Lower Upper

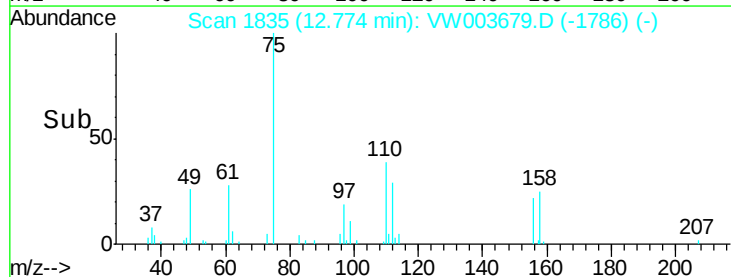
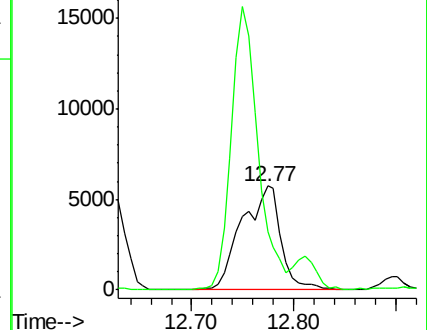
75 100

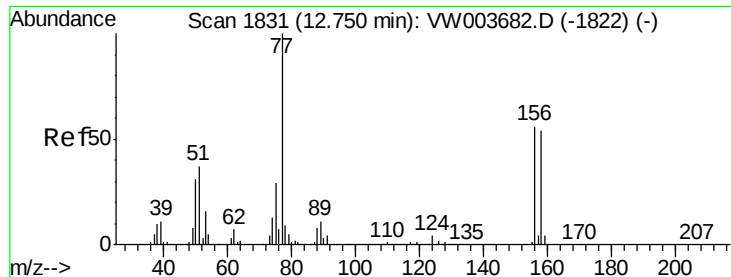
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 4.847 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

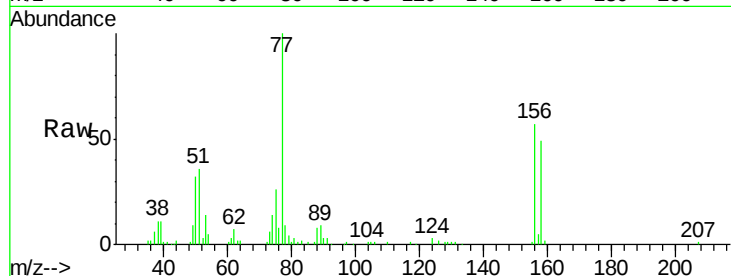
Tgt Ion:156 Resp: 14610

Ion Ratio Lower Upper

156 100

77 195.3 95.8 287.4

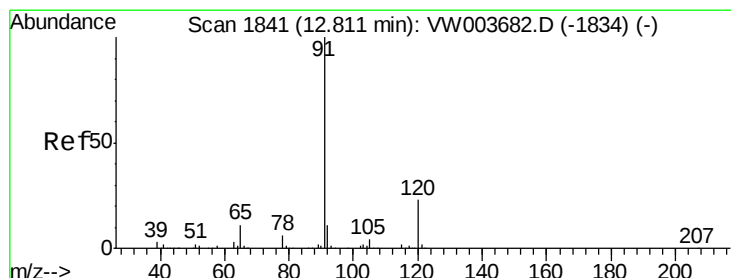
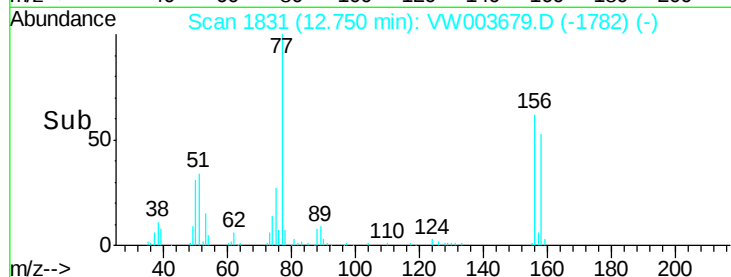
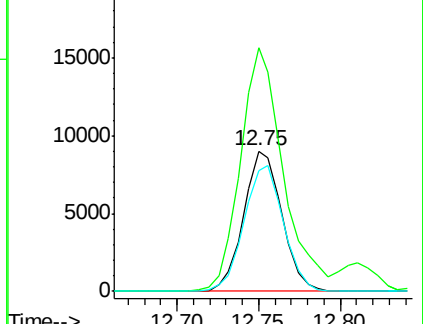
158 92.7 48.2 144.6



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: 4.421 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003679.D

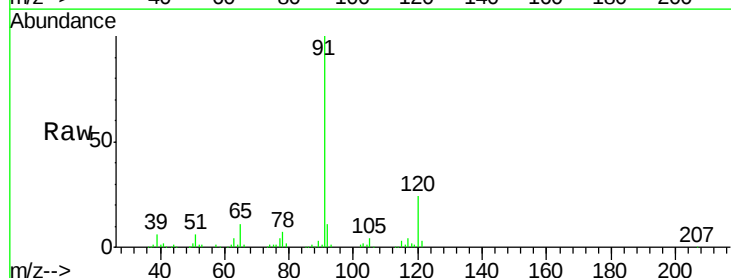
Acq: 02 Jul 2018 16:32

Tgt Ion: 91 Resp: 69959

Ion Ratio Lower Upper

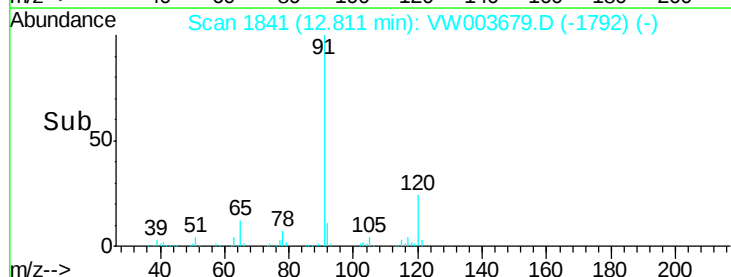
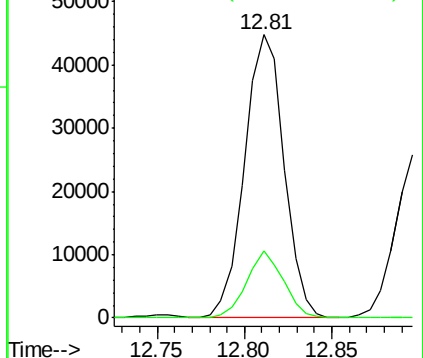
91 100

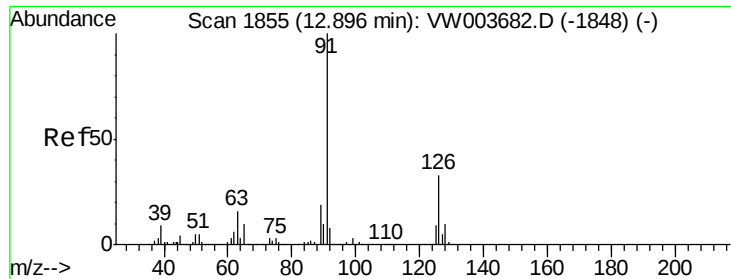
120 22.0 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.636 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

ClientSampled :

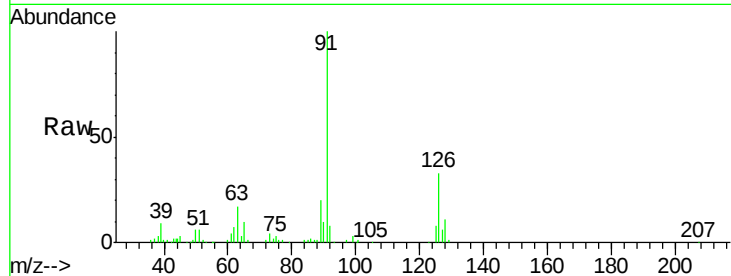
VSTDIC005

Tgt Ion: 91 Resp: 41462

Ion Ratio Lower Upper

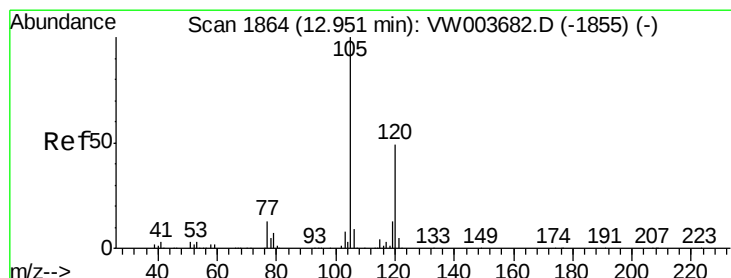
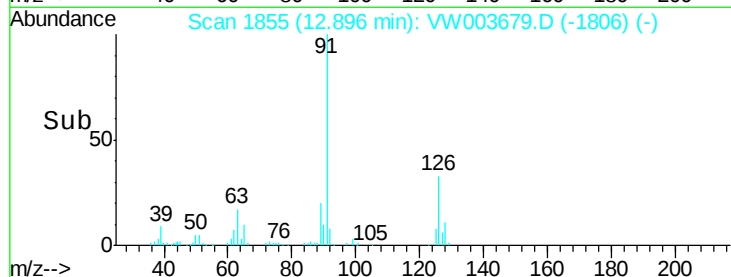
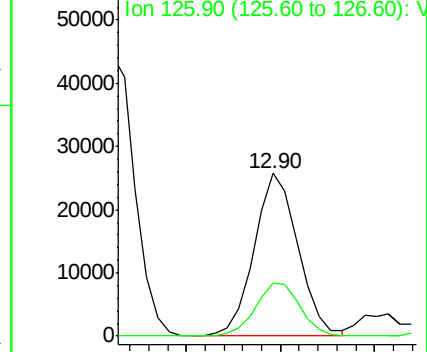
91 100

126 33.3 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: 4.412 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW003679.D

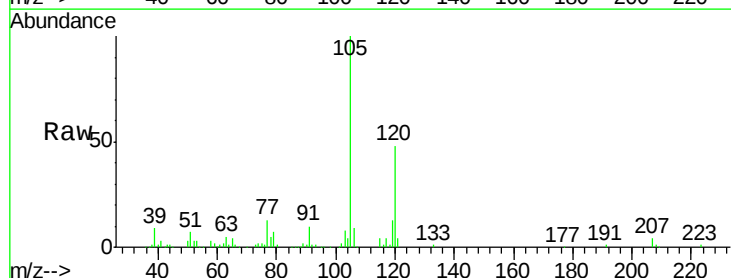
Acq: 02 Jul 2018 16:32

Tgt Ion: 105 Resp: 47765

Ion Ratio Lower Upper

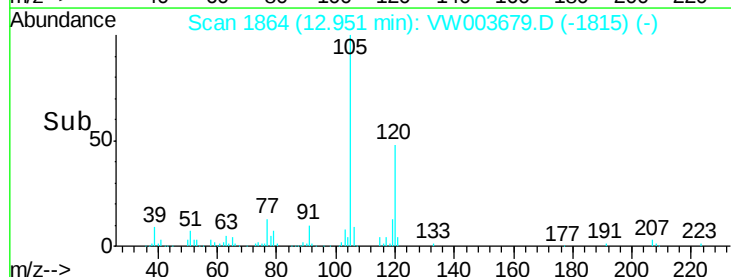
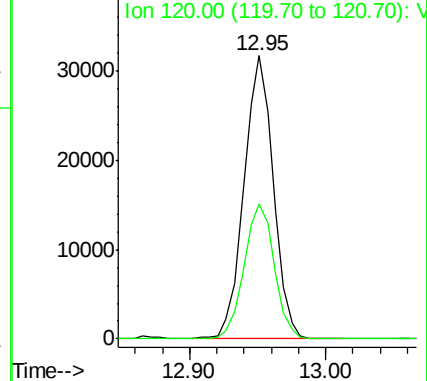
105 100

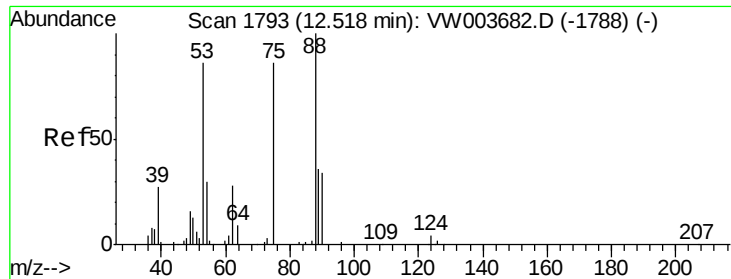
120 48.9 24.3 72.8



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: 4.850 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

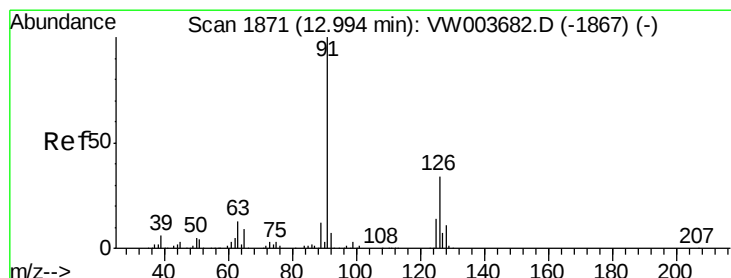
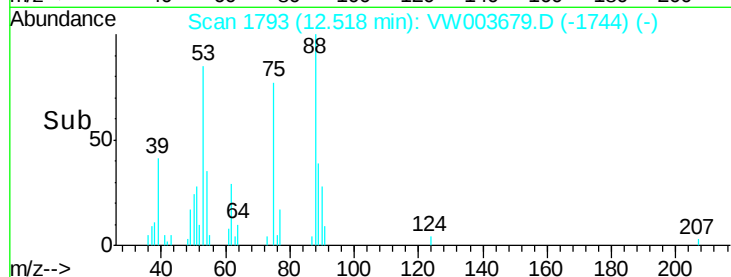
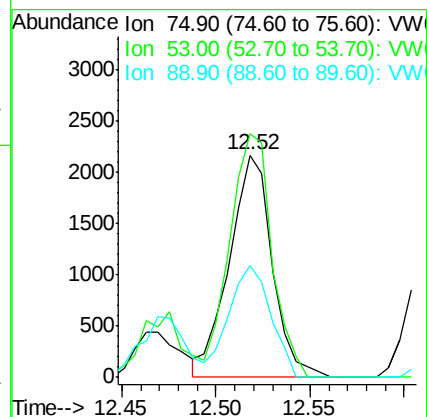
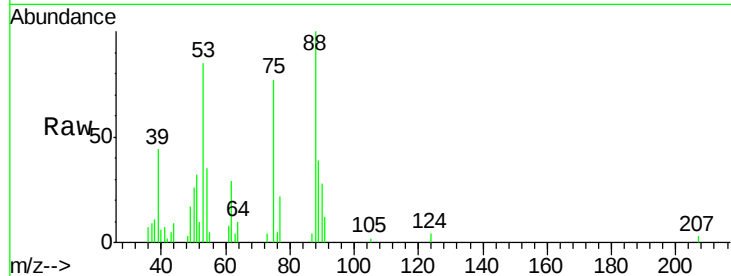
Tgt Ion: 75 Resp: 3412

Ion Ratio Lower Upper

75 100

53 107.2 82.4 123.6

89 49.3 35.9 53.9



#82

4-Chlorotoluene

Concen: 4.650 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VW003679.D

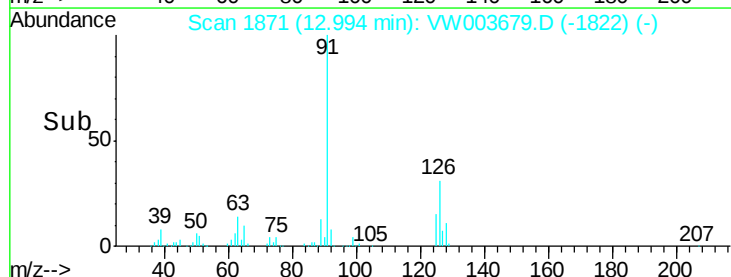
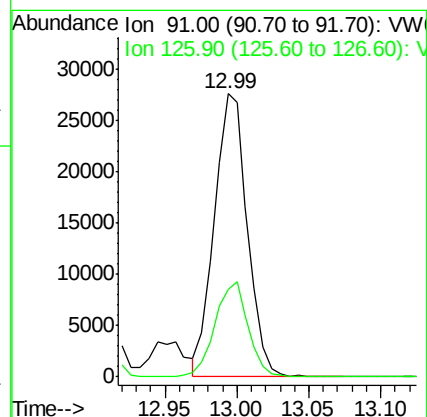
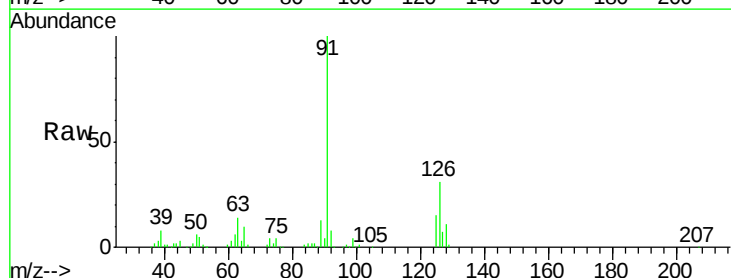
Acq: 02 Jul 2018 16:32

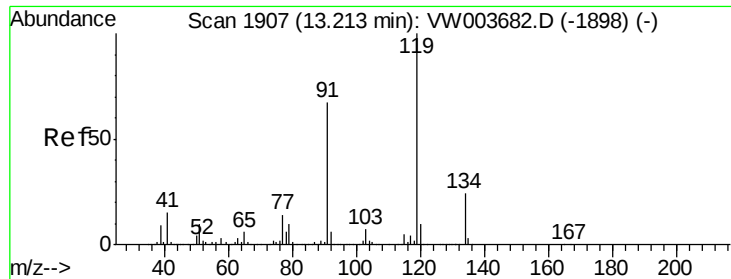
Tgt Ion: 91 Resp: 44097

Ion Ratio Lower Upper

91 100

126 33.7 17.0 50.9

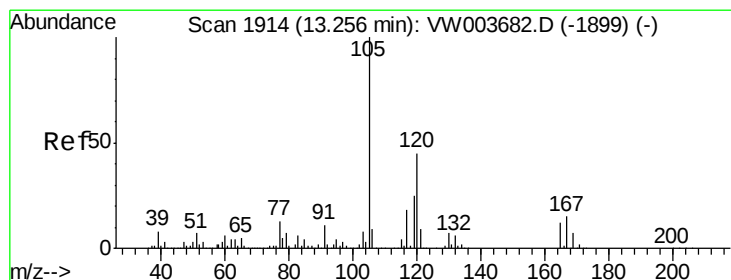
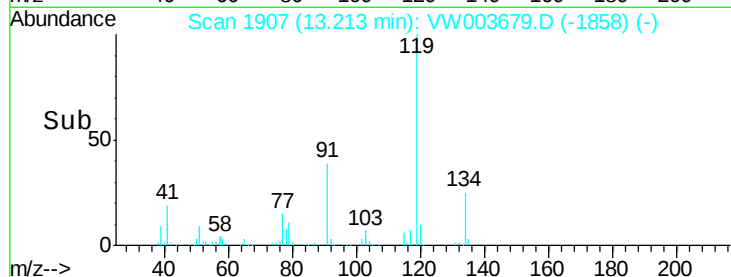
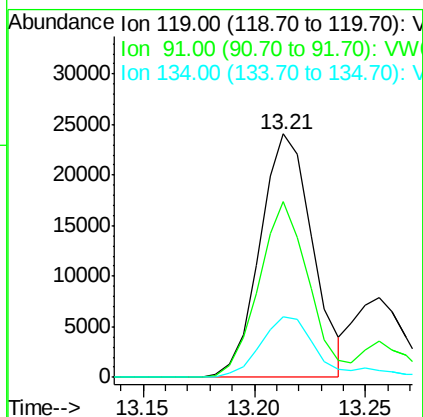
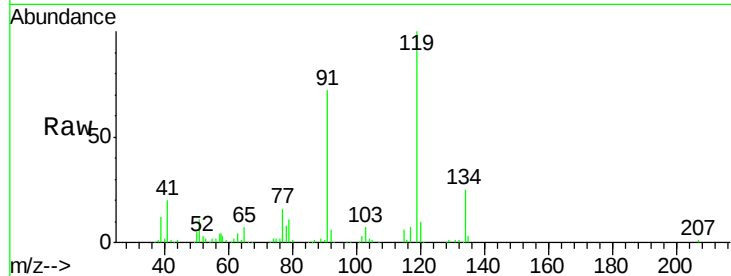




#83
tert-Butylbenzene
Concen: 4.275 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

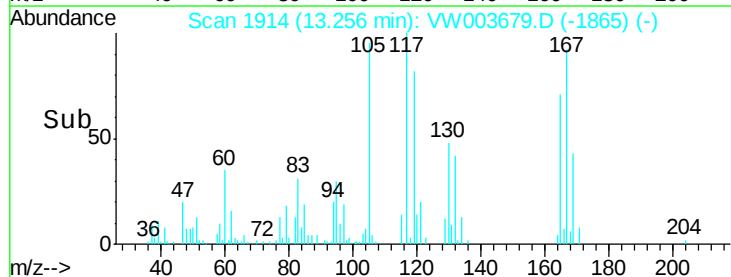
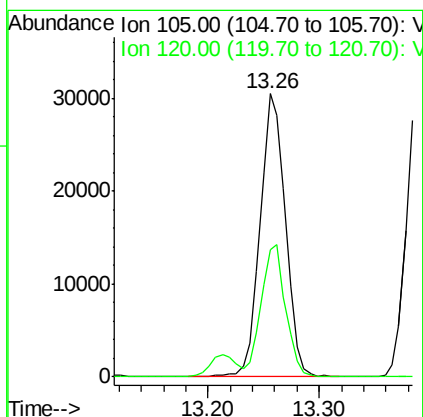
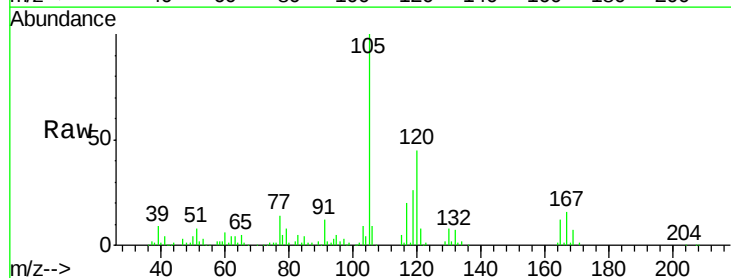
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

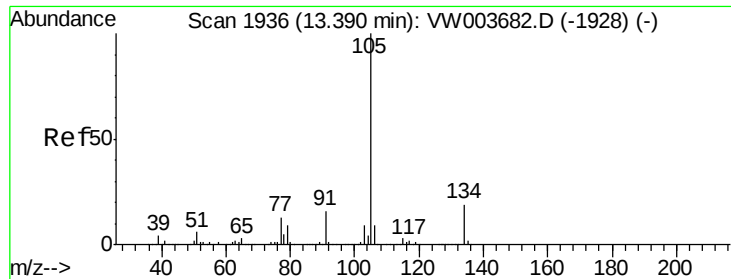
Tgt Ion:119 Resp: 39403
Ion Ratio Lower Upper
119 100
91 69.3 33.8 101.3
134 28.0 13.1 39.1



#84
1,2,4-Trimethylbenzene
Concen: 4.344 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Tgt Ion:105 Resp: 48492
Ion Ratio Lower Upper
105 100
120 45.2 22.4 67.3

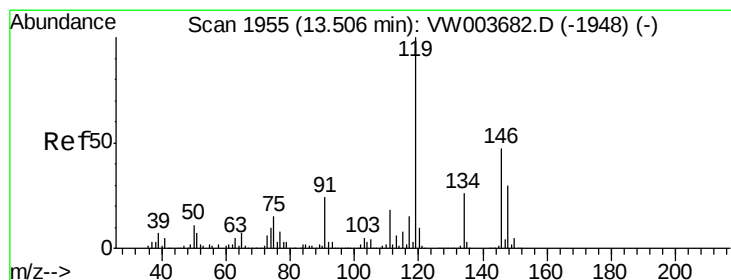
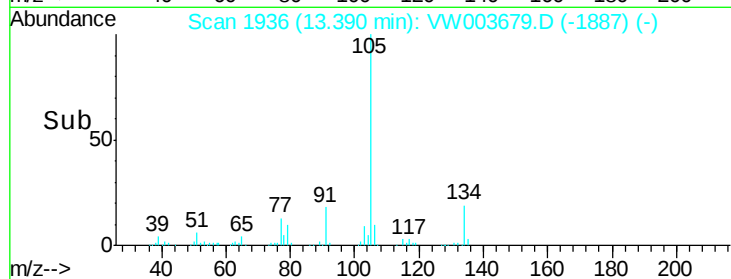
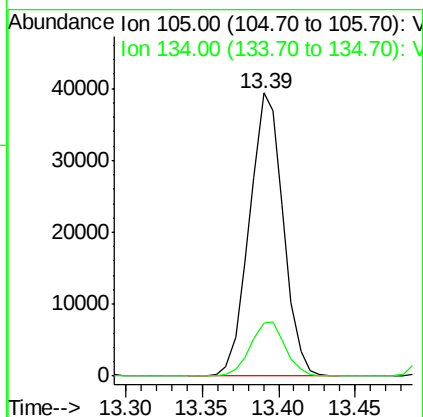
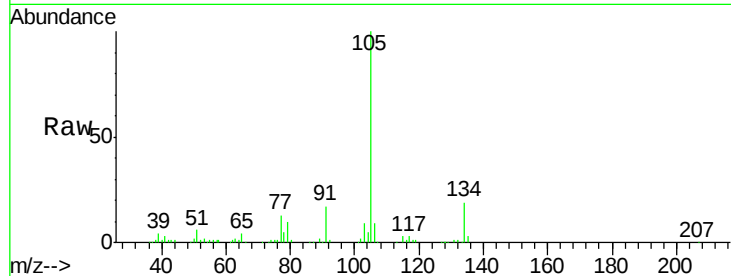




#85
 sec-Butylbenzene
 Concen: 4.404 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

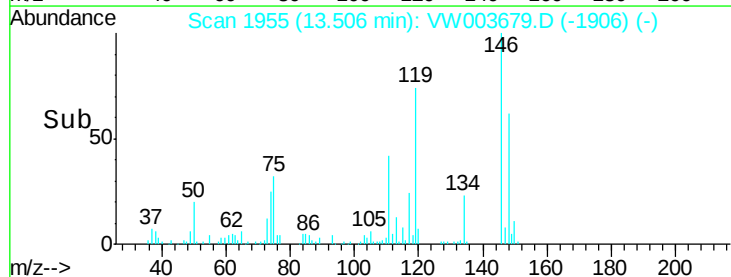
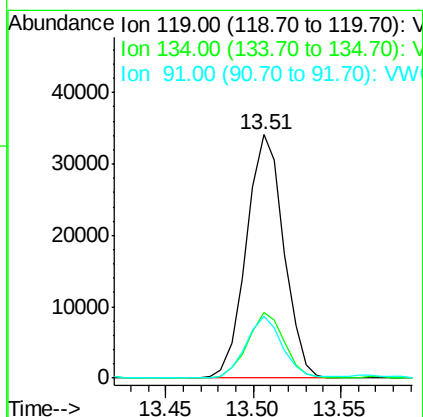
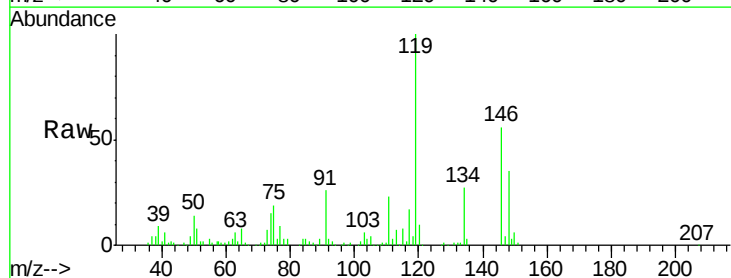
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

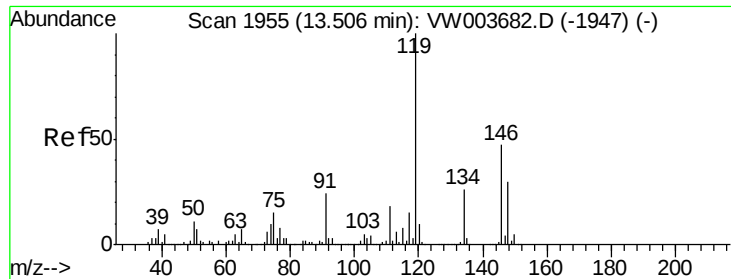
Tgt Ion:105 Resp: 60395
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 4.205 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Tgt Ion:119 Resp: 50738
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.0 38.9
 91 25.1 11.8 35.4

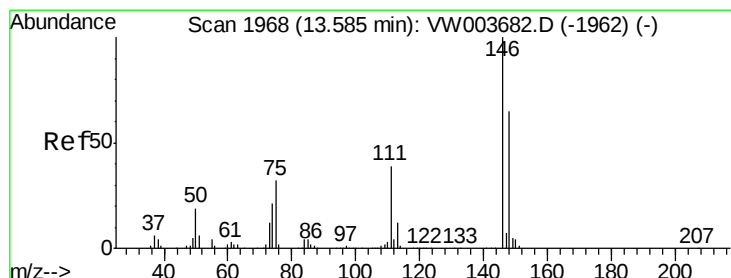
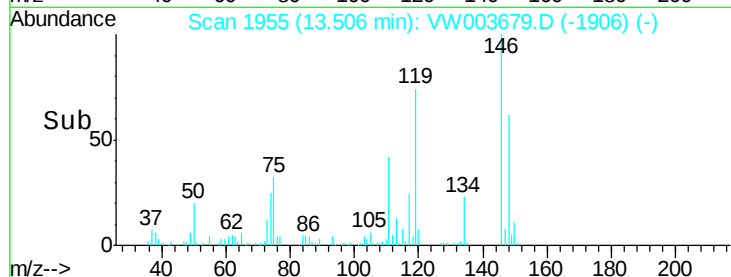
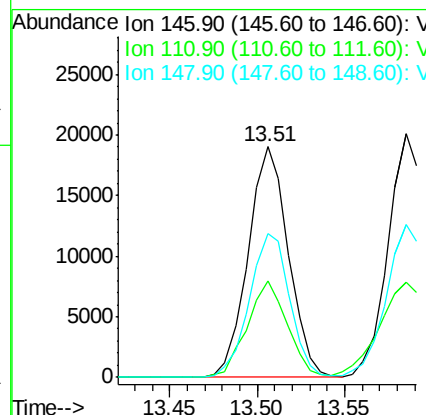
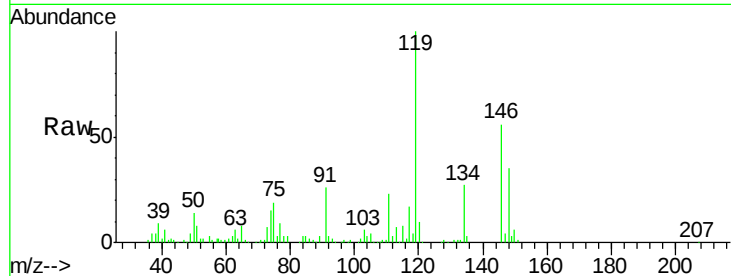




#87
 1,3-Dichlorobenzene
 Concen: 4.907 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

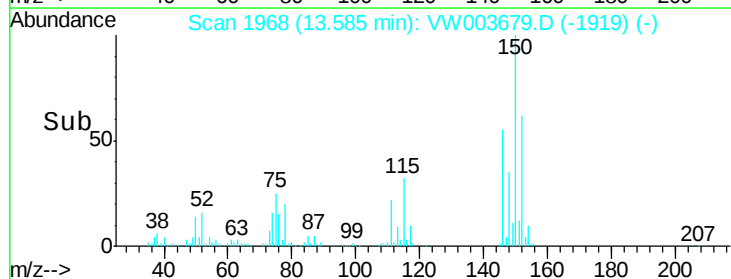
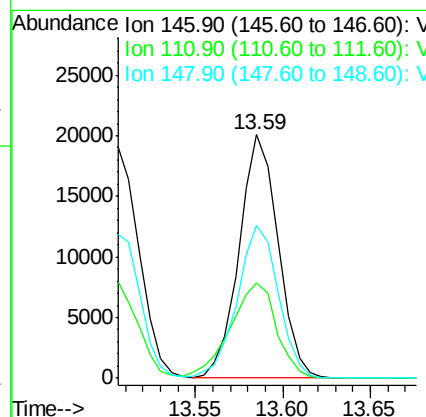
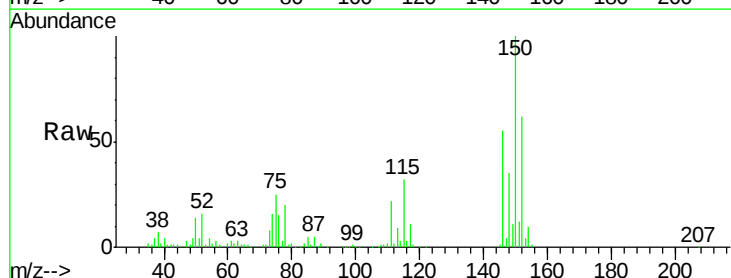
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

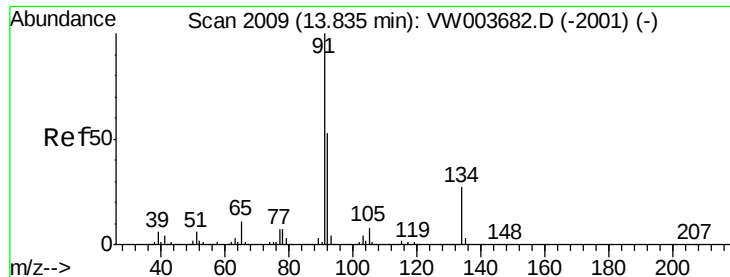
Tgt Ion:146 Resp: 30287
 Ion Ratio Lower Upper
 146 100
 111 41.8 19.9 59.7
 148 62.6 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 5.071 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Tgt Ion:146 Resp: 31138
 Ion Ratio Lower Upper
 146 100
 111 46.0 19.3 57.9
 148 66.3 32.3 96.9





#89

n-Butylbenzene

Concen: 4.379 ug/l

RT: 13.83 min Scan# 2008

Delta R.T. -0.01 min

Lab File: VW003679.D

Acq: 02 Jul 2018 16:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

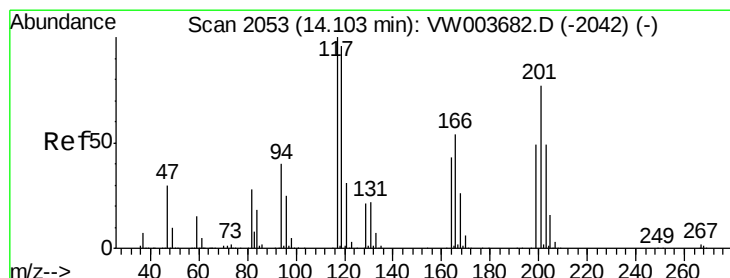
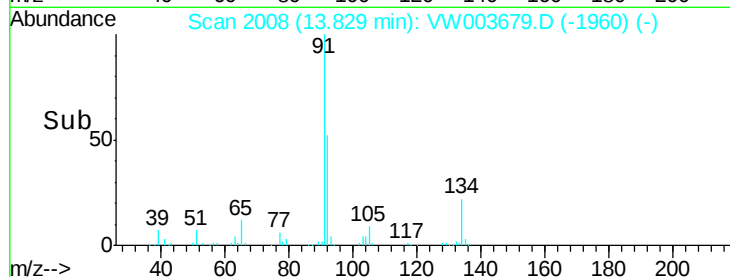
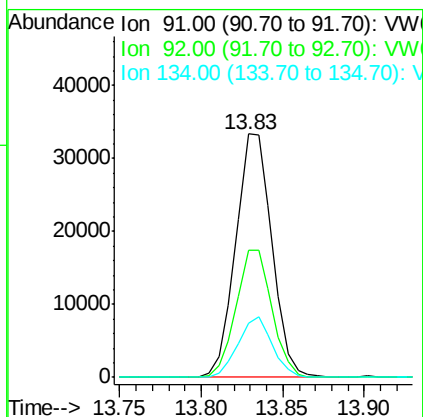
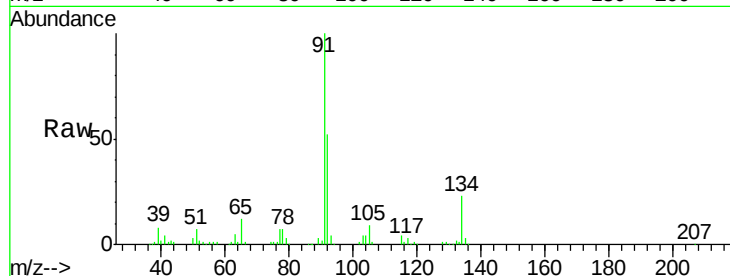
Tgt Ion: 91 Resp: 51618

Ion Ratio Lower Upper

91 100

92 51.9 26.4 79.2

134 23.7 12.7 38.1



#90

Hexachloroethane

Concen: 4.685 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW003679.D

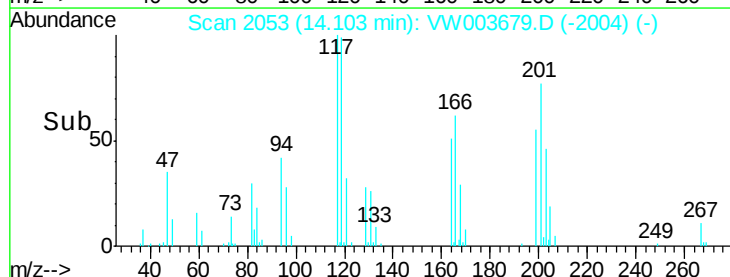
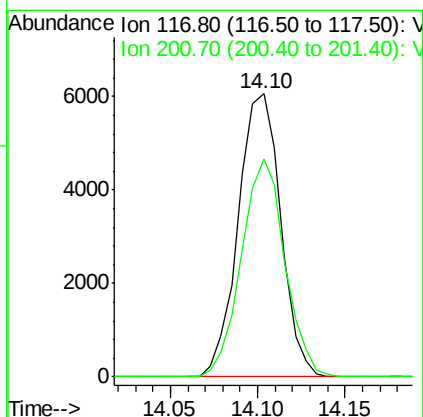
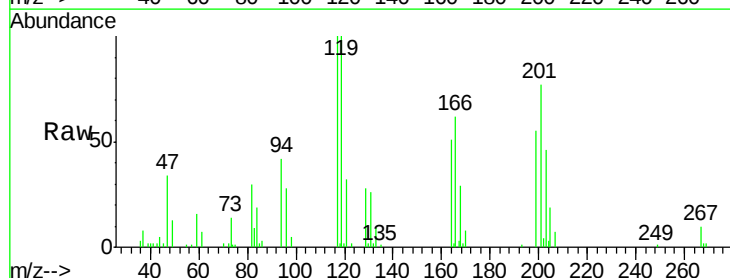
Acq: 02 Jul 2018 16:32

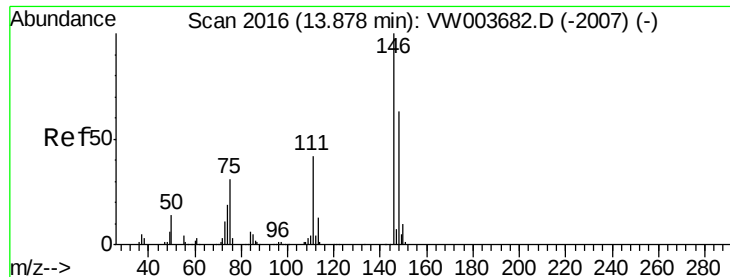
Tgt Ion: 117 Resp: 10242

Ion Ratio Lower Upper

117 100

201 78.3 39.1 117.2

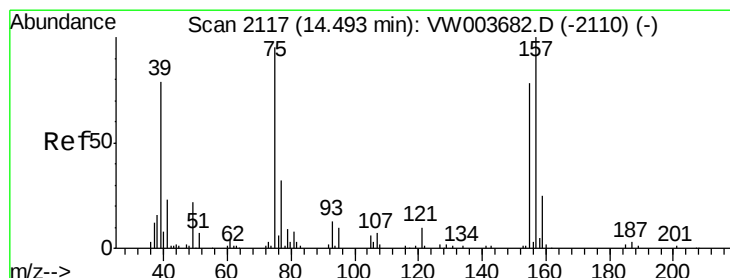
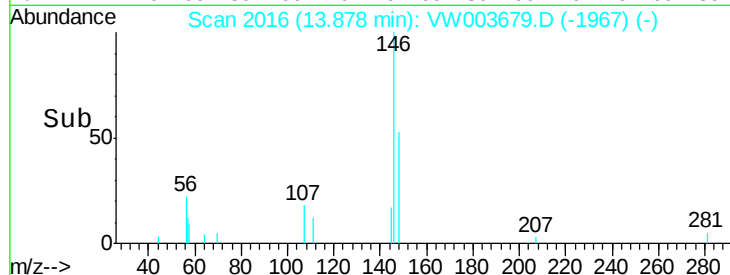
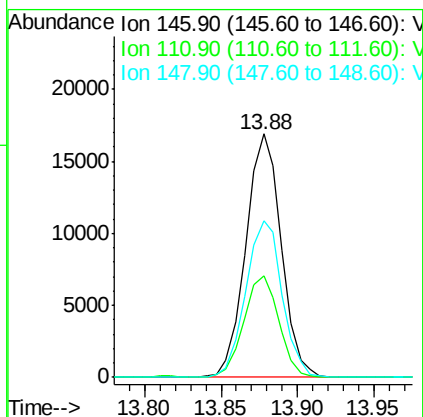
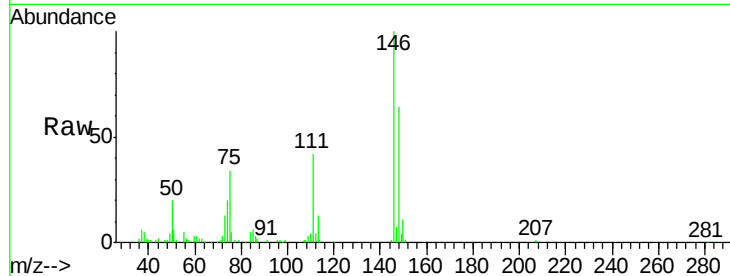




#91
 1,2-Dichlorobenzene
 Concen: 5.020 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

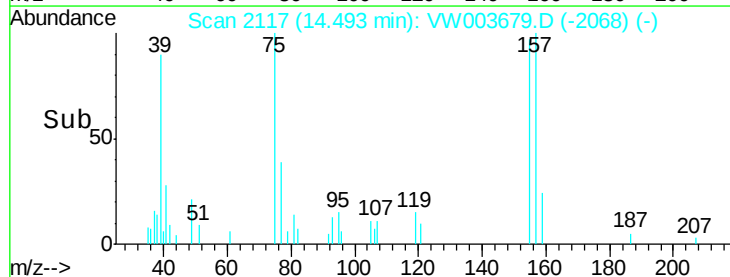
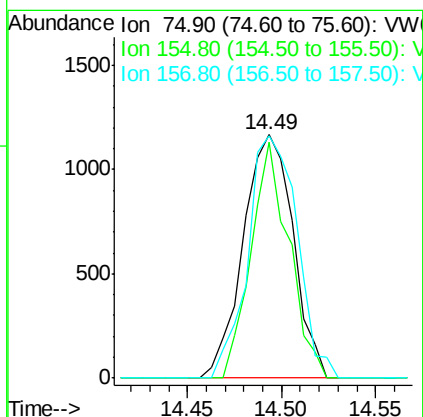
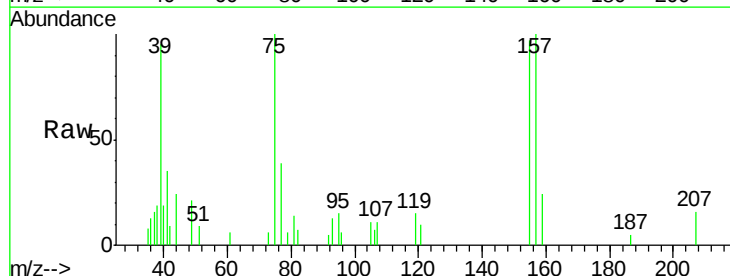
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

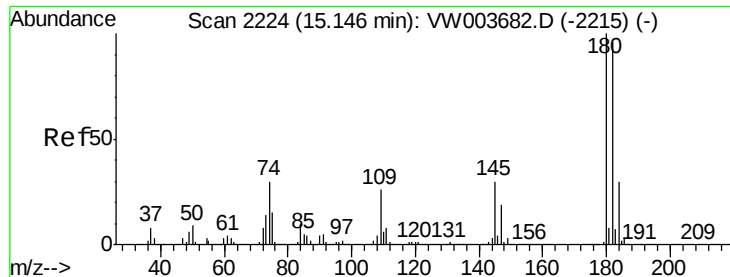
Tgt Ion: 146 Resp: 27194
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.6 61.9
 148 66.1 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.708 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Tgt Ion: 75 Resp: 2140
 Ion Ratio Lower Upper
 75 100
 155 74.0 40.2 120.6
 157 98.4 50.7 152.3

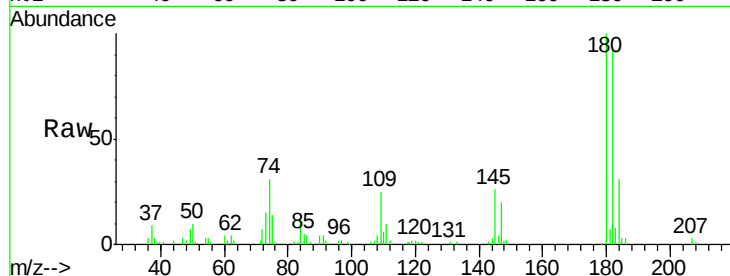




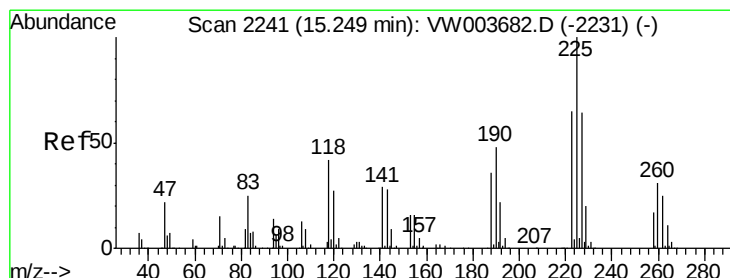
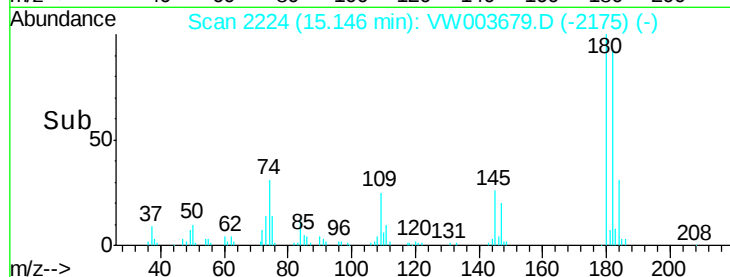
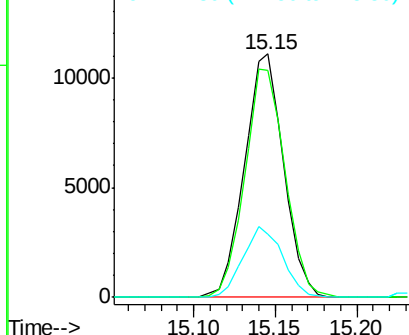
#93
 1,2,4-Trichlorobenzene
 Concen: 4.853 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion:180 Resp: 18469
 Ion Ratio Lower Upper
 180 100
 182 96.5 47.6 142.8
 145 29.3 14.9 44.5

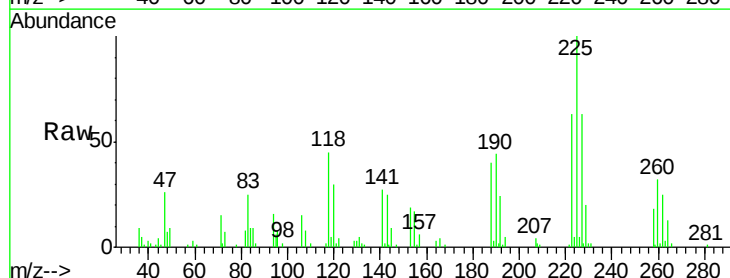


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

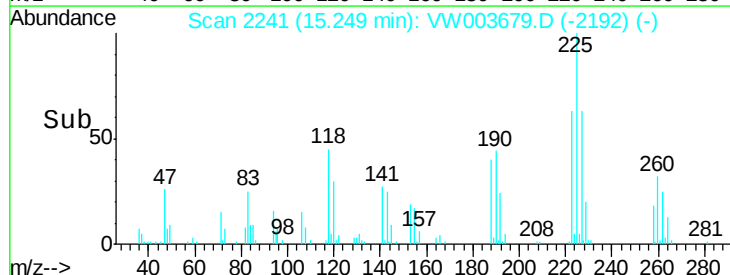
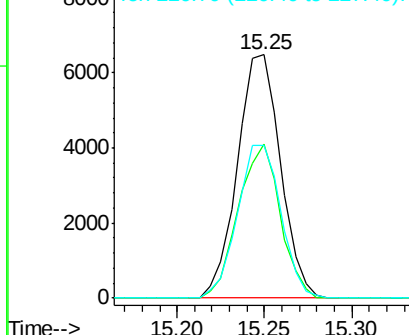


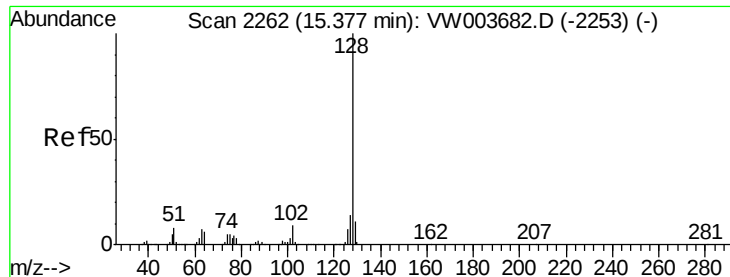
#94
 Hexachlorobutadiene
 Concen: 4.898 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW003679.D
 Acq: 02 Jul 2018 16:32

Tgt Ion:225 Resp: 11124
 Ion Ratio Lower Upper
 225 100
 223 61.2 32.0 96.2
 227 63.6 31.9 95.7



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

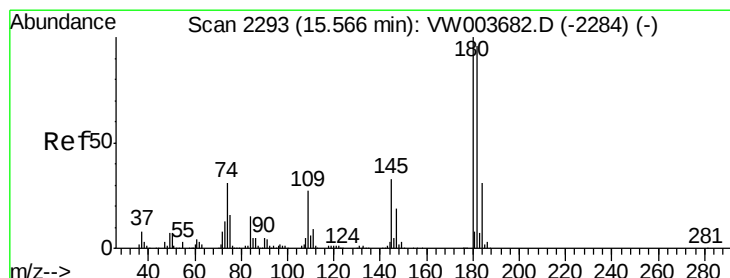
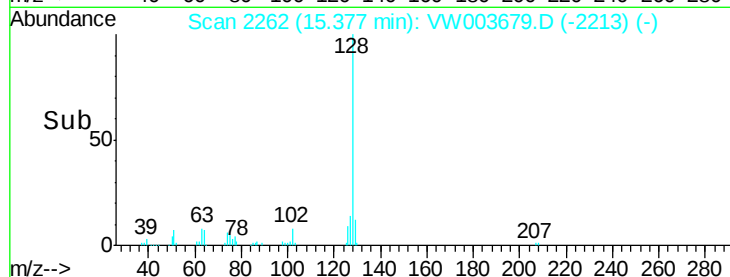
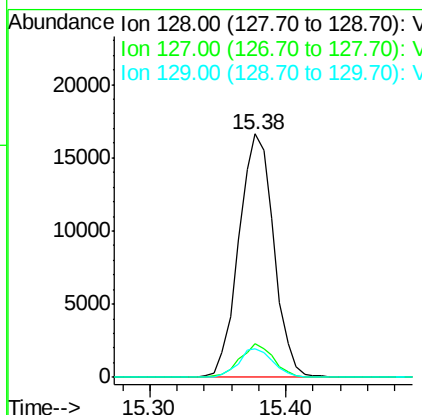
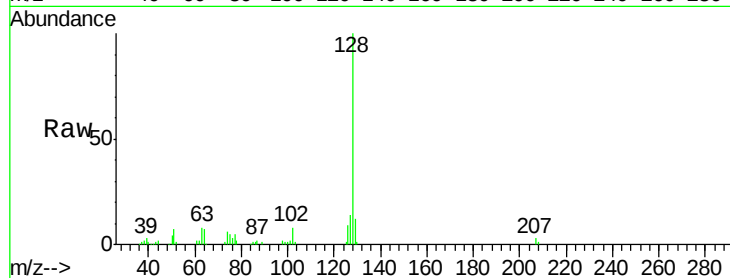




#95
Naphthalene
Concen: 4.558 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 29780
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 11.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 4.965 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW003679.D
Acq: 02 Jul 2018 16:32

Tgt Ion:180 Resp: 16667
Ion Ratio Lower Upper
180 100
182 92.7 47.8 143.3
145 30.9 15.9 47.7

