

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102418\
 Data File : VW006328.D
 Acq On : 24 Oct 2018 19:01
 Operator : SY/AP
 Sample : J5635-26
 Misc : 4.75G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A40G2

Quant Time: Oct 25 07:37:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 25 07:32:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	374767	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	289725	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.86	152	50281	25.00	ug/L	0.29

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	74952	17.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.92%
7) Chloroethane-d5	2.90	69	73471	20.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.80%
10) 1,1-Dichloroethene-d2	4.01	63	111497	13.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	54.96%
20) 2-Butanone-d5	7.09	46	45758	32.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	65.32%
24) Chloroform-d	7.65	84	162286	19.99	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	79.96%
26) 1,2-Dichloroethane-d4	8.31	65	88878	19.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	79.16%
29) Benzene-d6	8.28	84	323936	24.63	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.52%
33) 1,2-Dichloropropane-d6	9.28	67	93614	23.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.32%
37) Toluene-d8	10.33	98	289934	22.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.16%
38) trans-1,3-Dichloropropene-	10.58	79	34148	17.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	70.80%
39) 2-Hexanone-d5	10.93	63	37136	38.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.42%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	67673	17.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	70.12%
61) 1,2-Dichlorobenzene-d4	13.86	152	56638	32.86	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	131.44%#

Target Compounds

					Qvalue
13) Acetone	4.15	43	55057	38.901 ug/L	99
14) Carbon disulfide	4.38	76	7187	0.511 ug/L #	95
15) Methyl Acetate	4.68	43	4090	1.784 ug/L	97
21) 2-Butanone	7.18	43	5147	2.737 ug/L	96
34) Benzene	8.32	78	16254	1.093 ug/L	100
35) Trichloroethene	8.84	95	10680	2.552 ug/L #	2
40) 1,2-Dichloropropane	9.28	63	10598	2.872 ug/L #	88
42) cis-1,3-Dichloropropene	10.04	75	2666	0.442 ug/L #	82
44) Toluene	10.39	91	13663	0.818 ug/L	95
52) Chlorobenzene	11.66	112	87926	7.780 ug/L	97
53) Ethylbenzene	11.74	91	7190	0.370 ug/L	96
54) m,p-Xylene	11.85	106	17040	2.236 ug/L	98
55) o-xylene	12.17	106	28289	3.888 ug/L	97
57) Isopropylbenzene	12.47	105	379483	18.743 ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	1111071	359.830 ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	6879746	2212.549 ug/L	96
65) 1,2-Dichlorobenzene	13.88	146	222883	78.464 ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102418\
Data File : VW006328.D
Acq On : 24 Oct 2018 19:01
Operator : SY/AP
Sample : J5635-26
Misc : 4.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

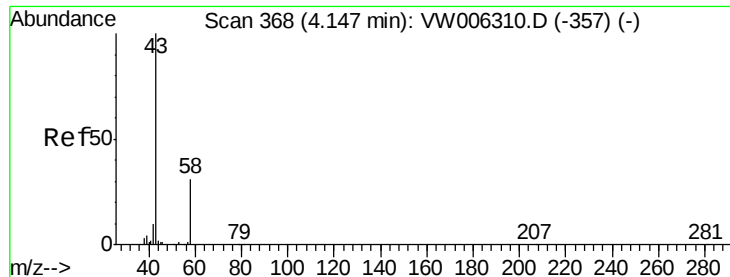
Instrument :
MSVOA_W
ClientSampleId :
A40G2

Quant Time: Oct 25 07:37:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 25 07:32:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 1,2-Dibromo-3-chloropropan	14.52	75	4024	17.600	ug/L #	1
67) 1,3,5-Trichlorobenzene	15.15	180	158150	63.540	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	158150	74.516	ug/L	100
69) Naphthalene	15.38	128	41360	9.625	ug/L #	96
70) 1,2,3-Trichlorobenzene	15.57	180	26841	14.077	ug/L	95

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW102418\
Data File : VW006328.D
Acq On : 24 Oct 2018 19:01
Operator : SY/AP
Sample : J5635-26
Misc : 4.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1



#13

Acetone

Concen: 38.901 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW006328.D

Acq: 24 Oct 2018 19:01

Instrument :

MSVOA_W

ClientSampleId :

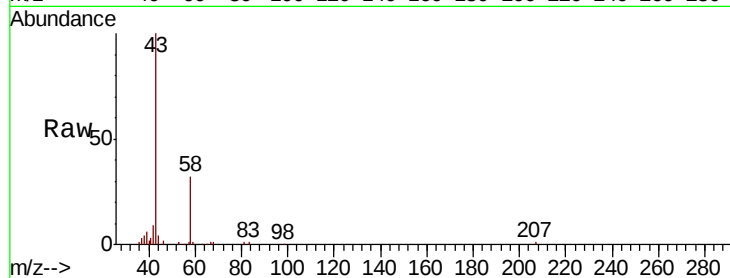
A40G2

Tgt Ion: 43 Resp: 55057

Ion Ratio Lower Upper

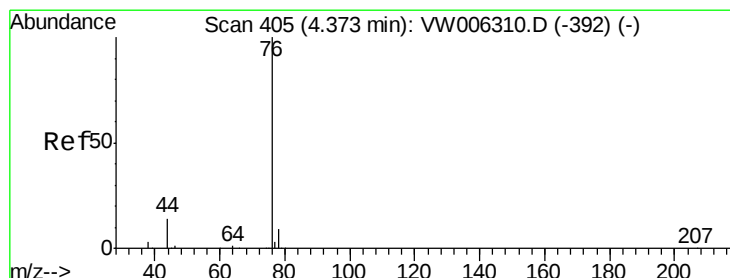
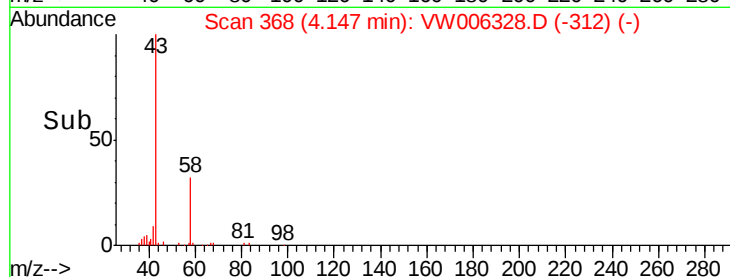
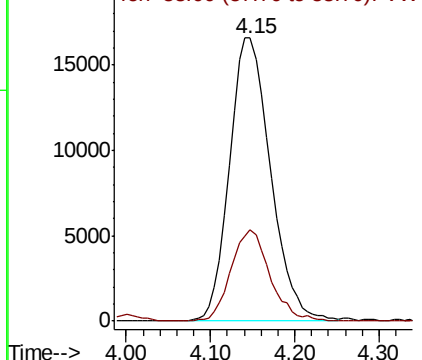
43 100

58 29.9 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 0.511 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW006328.D

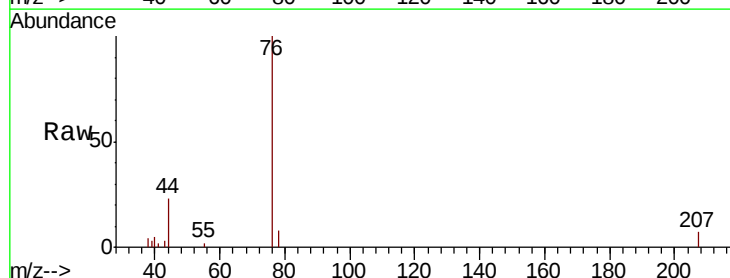
Acq: 24 Oct 2018 19:01

Tgt Ion: 76 Resp: 7187

Ion Ratio Lower Upper

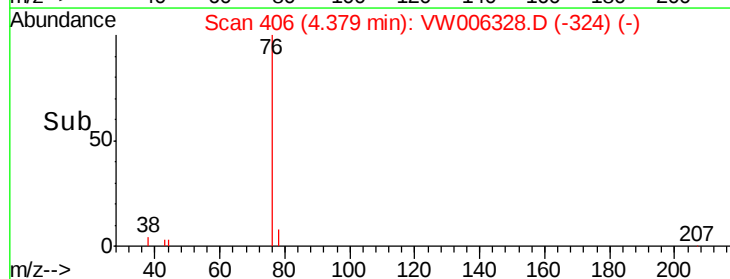
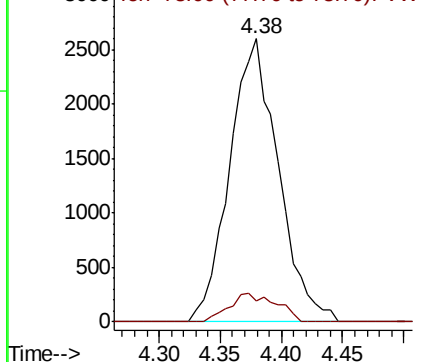
76 100

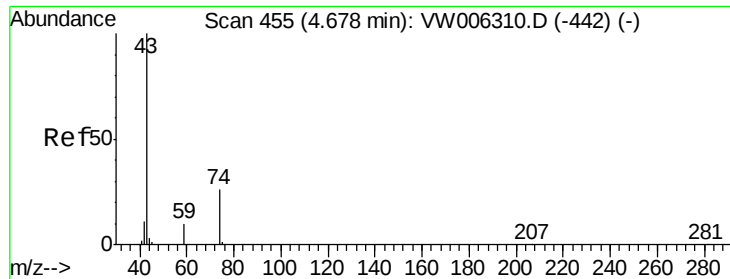
78 7.5 7.6 11.4#



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

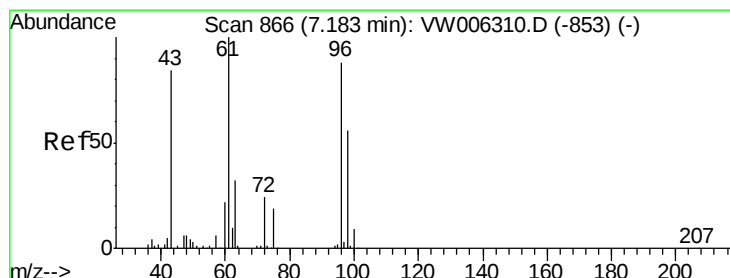
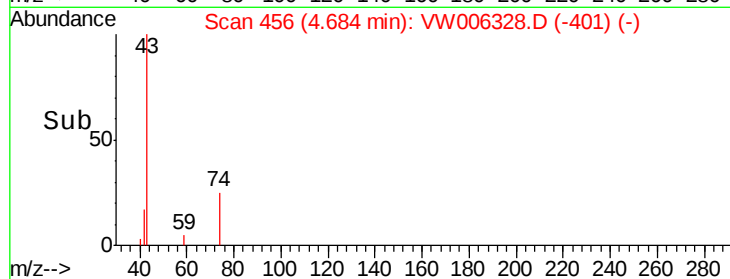
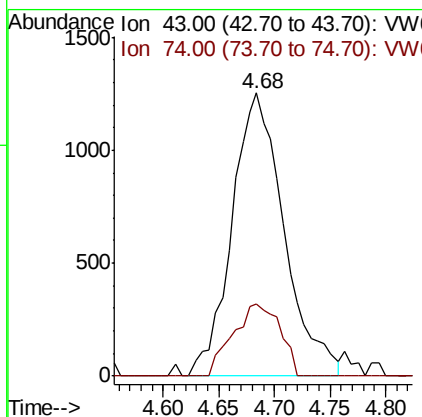
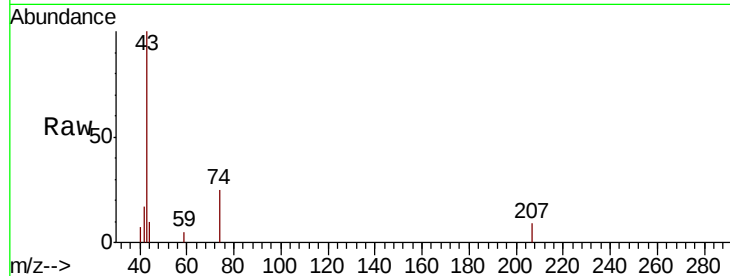




#15
Methyl Acetate
Concen: 1.784 ug/L
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW006328.D
Acq: 24 Oct 2018 19:01

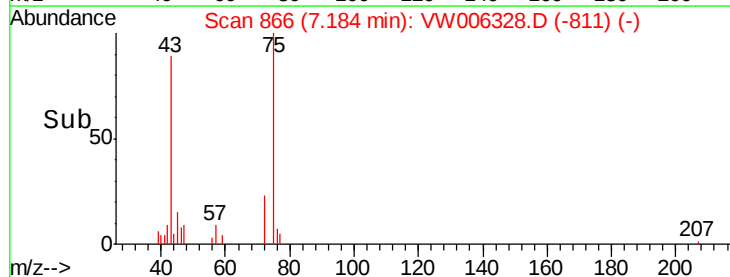
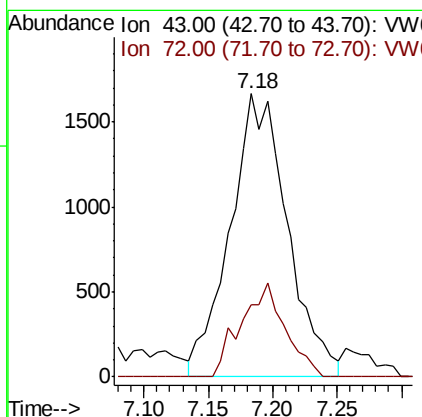
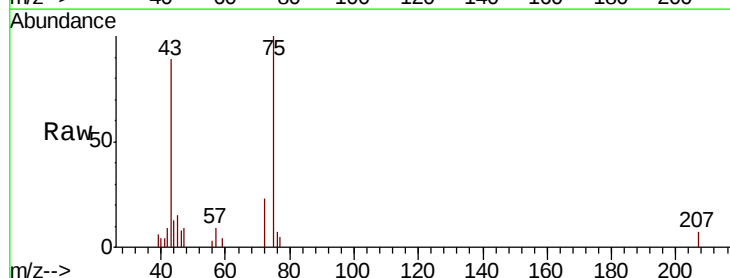
Instrument :
MSVOA_W
ClientSampleId :
A40G2

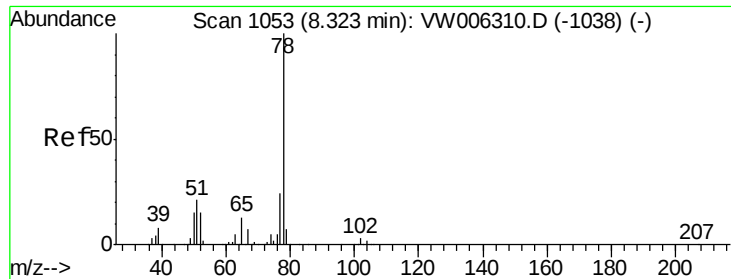
Tgt Ion: 43 Resp: 4090
Ion Ratio Lower Upper
43 100
74 22.9 19.4 29.2



#21
2-Butanone
Concen: 2.737 ug/L
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW006328.D
Acq: 24 Oct 2018 19:01

Tgt Ion: 43 Resp: 5147
Ion Ratio Lower Upper
43 100
72 25.5 13.8 41.4





#34

Benzene

Concen: 1.093 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW006328.D

Acq: 24 Oct 2018 19:01

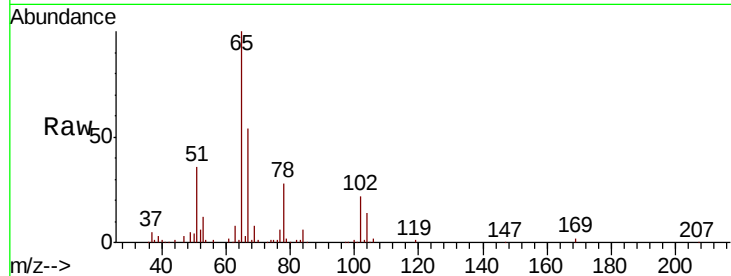
Instrument :

MSVOA_W

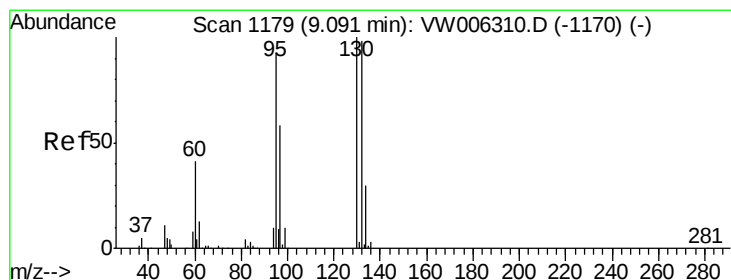
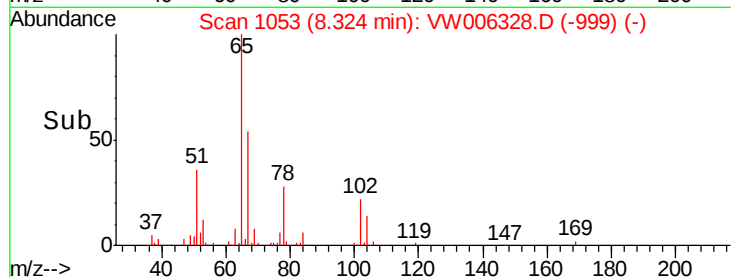
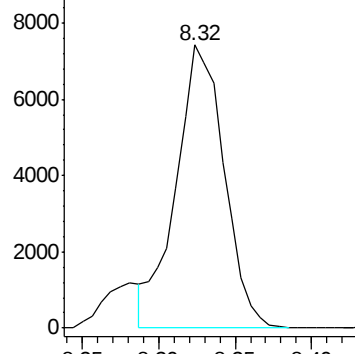
ClientSampleId :

A40G2

Tgt Ion: 78 Resp: 16254



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 2.552 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

Lab File: VW006328.D

Acq: 24 Oct 2018 19:01

Tgt Ion: 95 Resp: 10680

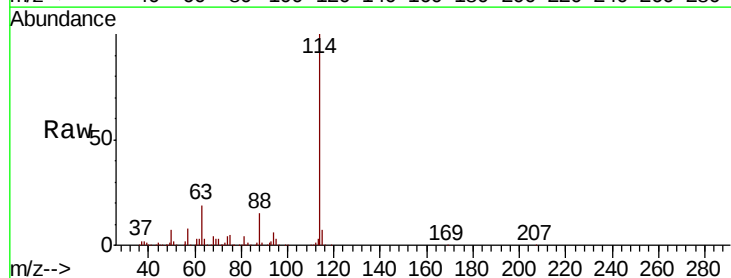
Ion Ratio Lower Upper

95 100

97 0.8 45.8 85.0#

132 0.0 72.9 135.3#

130 0.0 75.8 140.8#

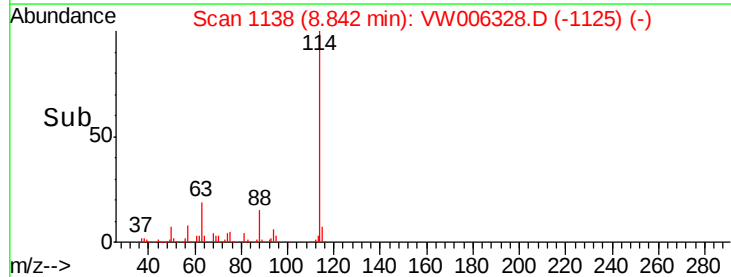
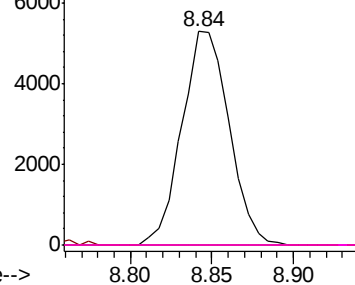


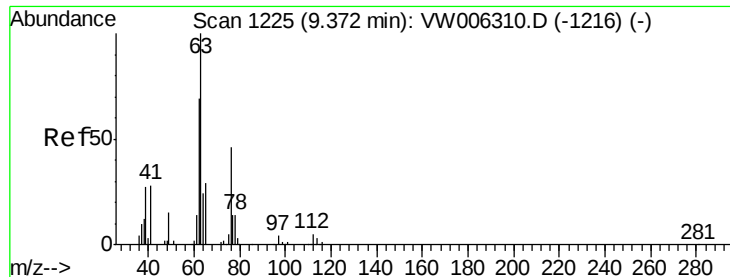
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#40

1,2-Dichloropropane

Concen: 2.872 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW006328.D

Acq: 24 Oct 2018 19:01

Instrument :

MSVOA_W

ClientSampled :

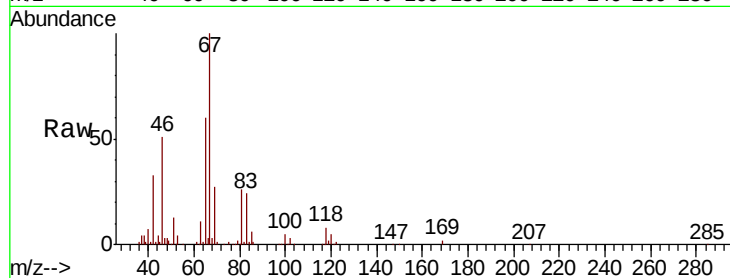
A40G2

Tgt Ion: 63 Resp: 10598

Ion Ratio Lower Upper

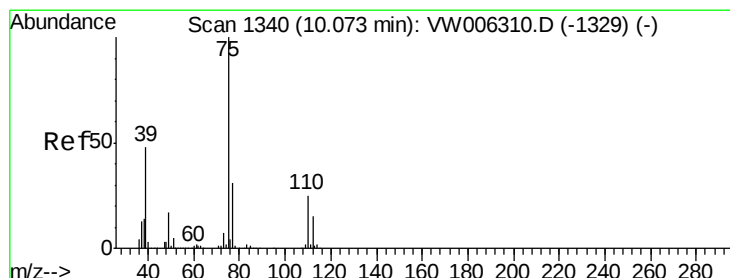
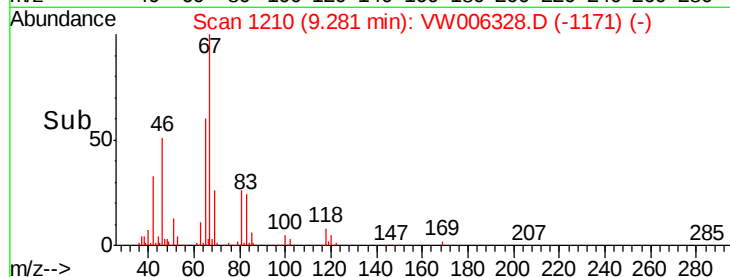
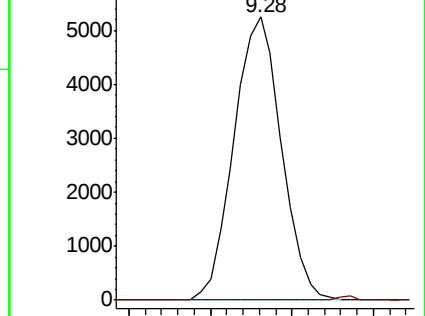
63 100

112 0.5 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#42

cis-1,3-Dichloropropene

Concen: 0.442 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW006328.D

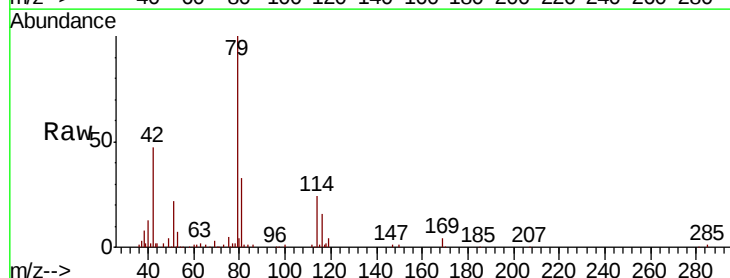
Acq: 24 Oct 2018 19:01

Tgt Ion: 75 Resp: 2666

Ion Ratio Lower Upper

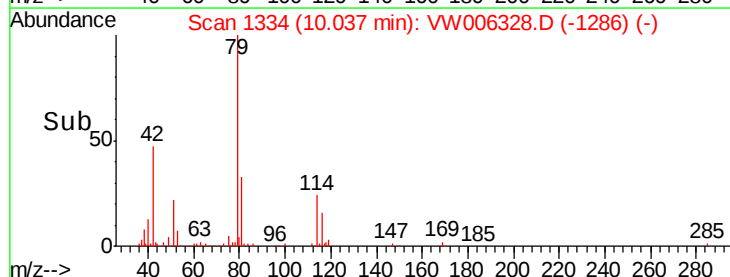
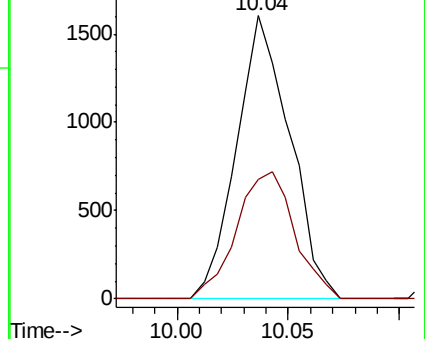
75 100

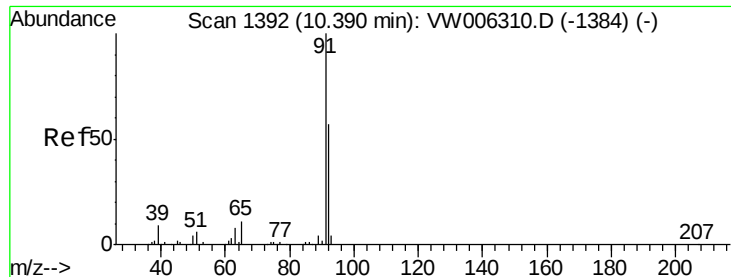
77 42.3 22.6 42.0#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#44

Toluene

Concen: 0.818 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006328.D

Acq: 24 Oct 2018 19:01

Instrument :

MSVOA_W

ClientSampleId :

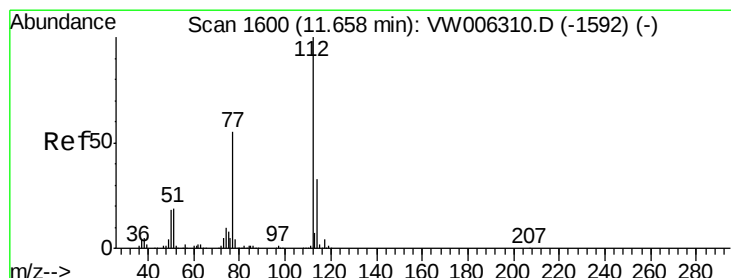
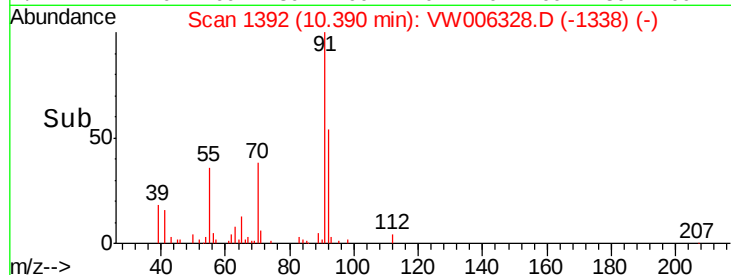
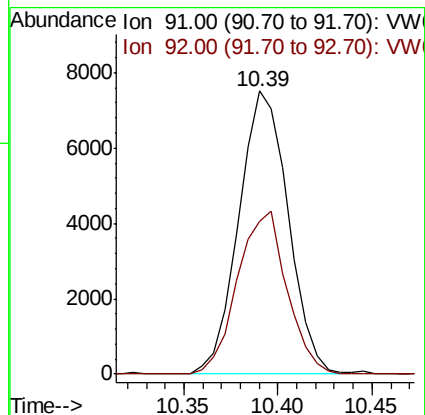
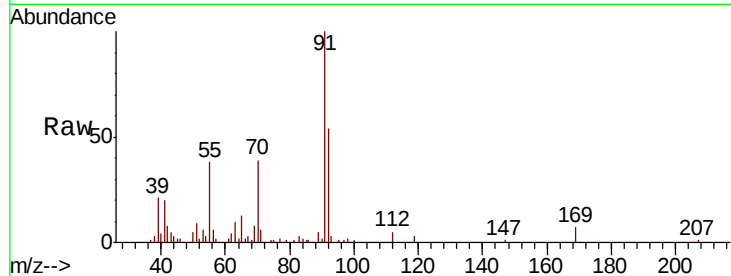
A40G2

Tgt Ion: 91 Resp: 13663

Ion Ratio Lower Upper

91 100

92 53.9 40.4 75.0



#52

Chlorobenzene

Concen: 7.780 ug/L

RT: 11.66 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VW006328.D

Acq: 24 Oct 2018 19:01

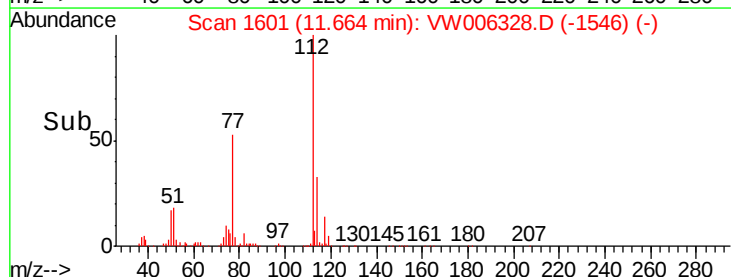
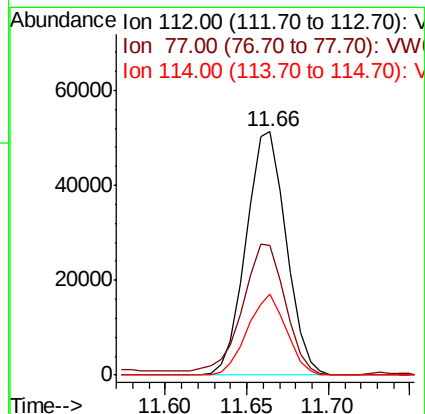
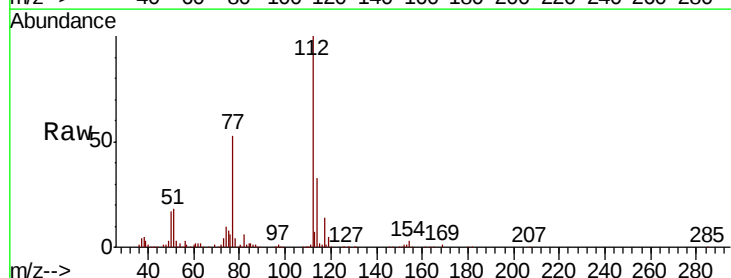
Tgt Ion: 112 Resp: 87926

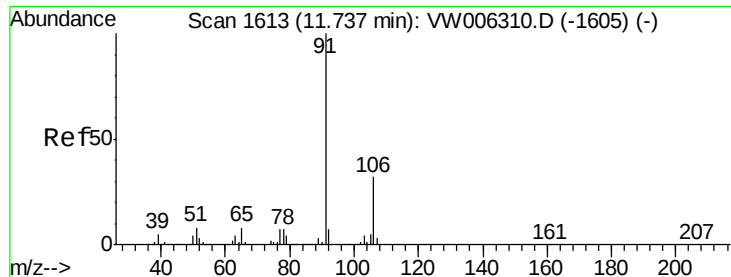
Ion Ratio Lower Upper

112 100

77 53.2 44.2 66.2

114 33.2 22.1 41.1





#53

Ethylbenzene

Concen: 0.370 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW006328.D

Acq: 24 Oct 2018 19:01

Instrument :

MSVOA_W

ClientSampleId :

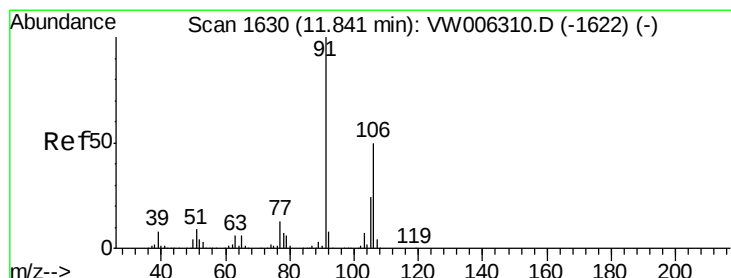
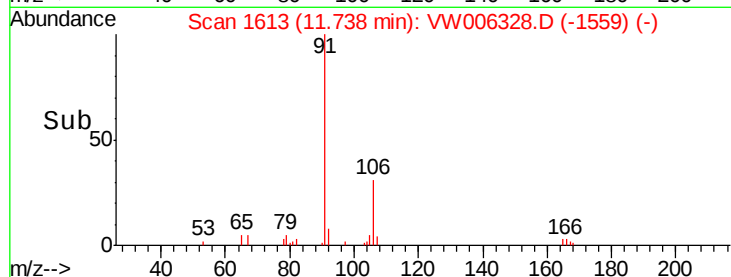
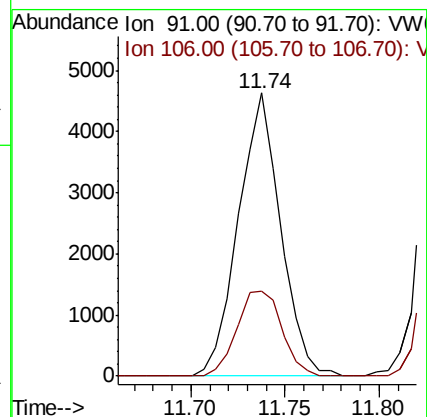
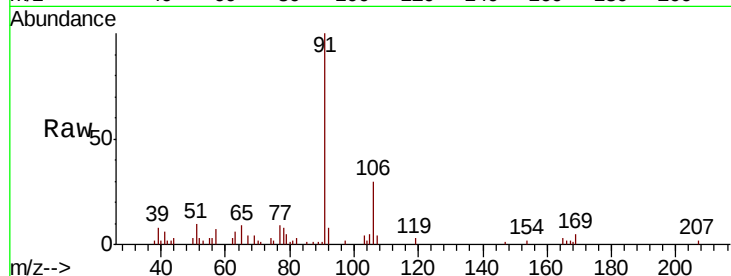
A40G2

Tgt Ion: 91 Resp: 7190

Ion Ratio Lower Upper

91 100

106 30.1 22.6 42.0



#54

m,p-Xylene

Concen: 2.236 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VW006328.D

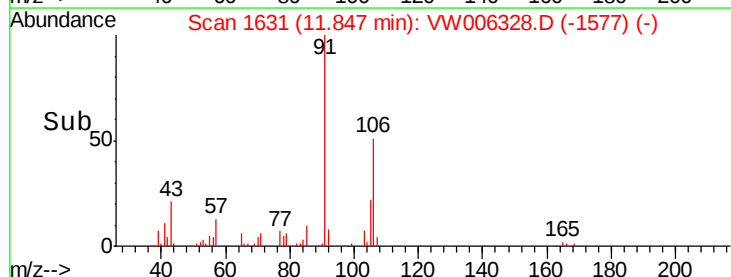
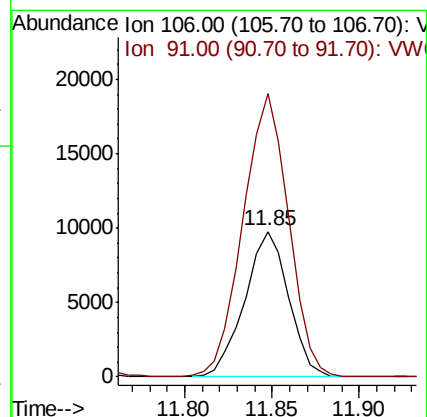
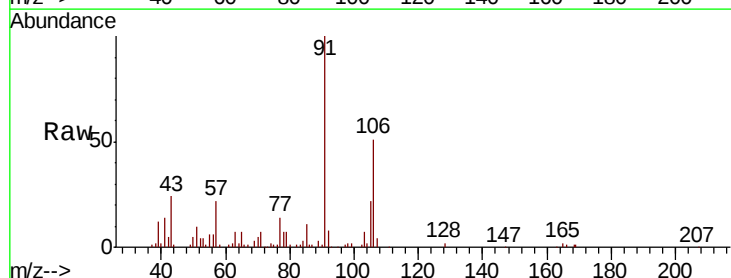
Acq: 24 Oct 2018 19:01

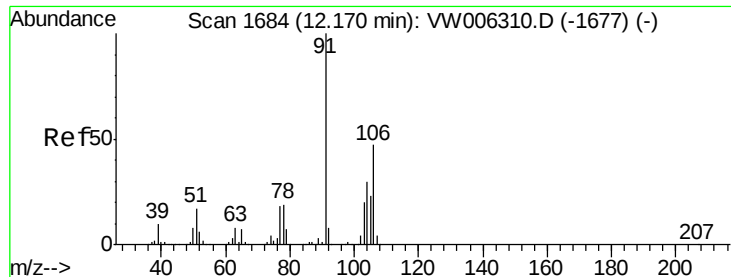
Tgt Ion: 106 Resp: 17040

Ion Ratio Lower Upper

106 100

91 195.0 138.4 257.0

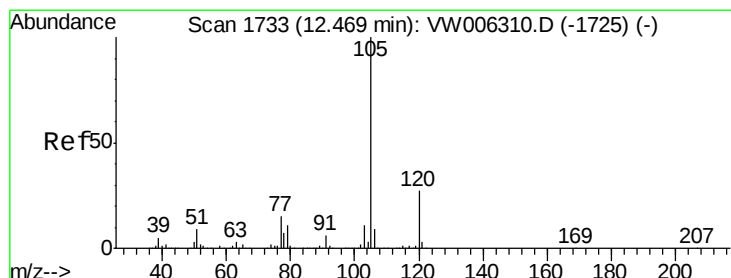
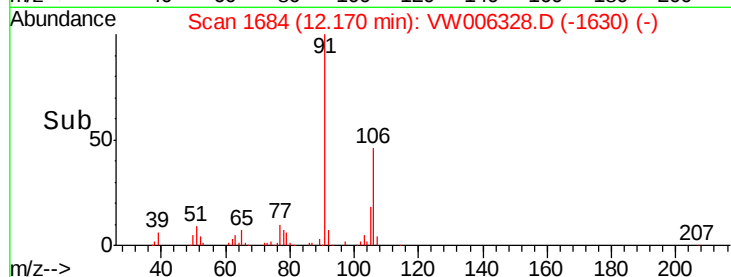
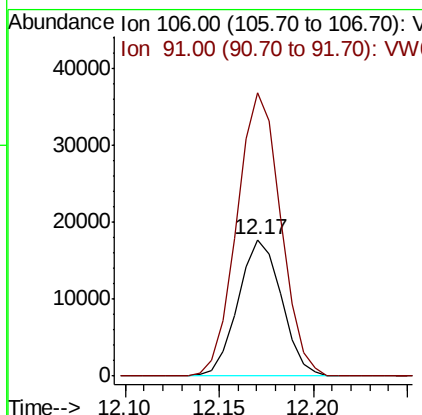
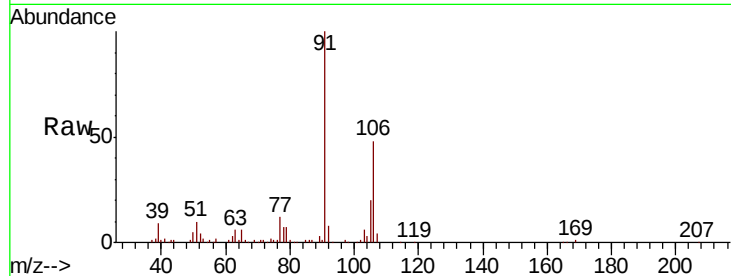




#55
o-xylene
Concen: 3.888 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006328.D
Acq: 24 Oct 2018 19:01

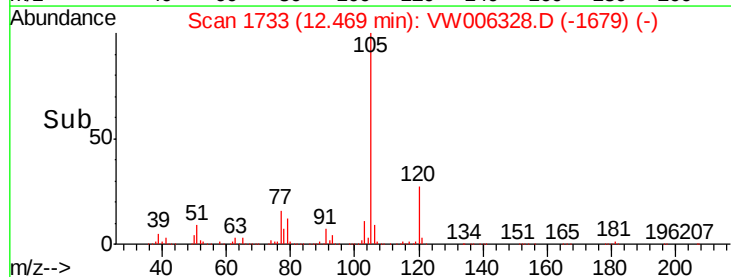
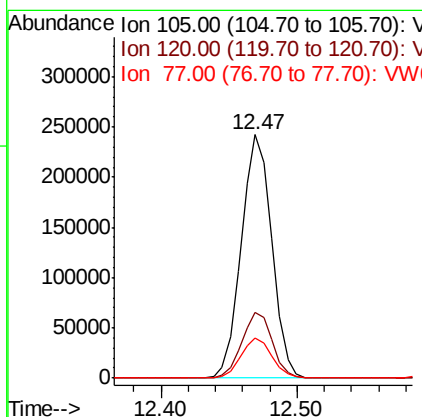
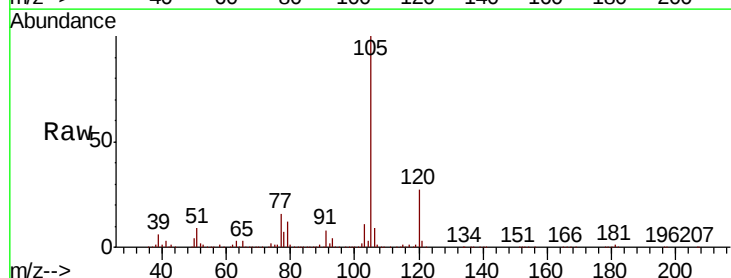
Instrument :
MSVOA_W
ClientSampled :
A40G2

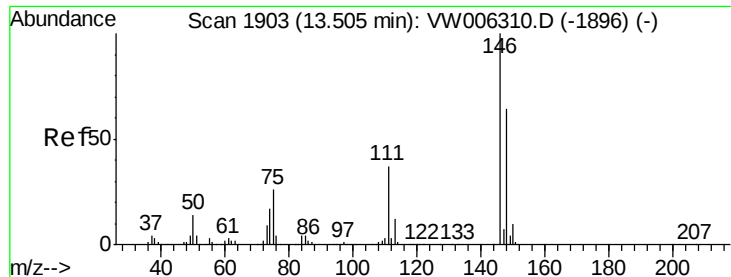
Tgt Ion:106 Resp: 28289
Ion Ratio Lower Upper
106 100
91 206.9 148.7 276.1



#57
Isopropylbenzene
Concen: 18.743 ug/L
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW006328.D
Acq: 24 Oct 2018 19:01

Tgt Ion:105 Resp: 379483
Ion Ratio Lower Upper
105 100
120 26.9 21.8 32.6
77 16.8 12.2 18.2

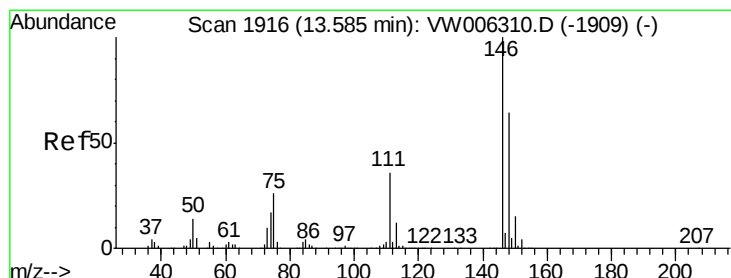
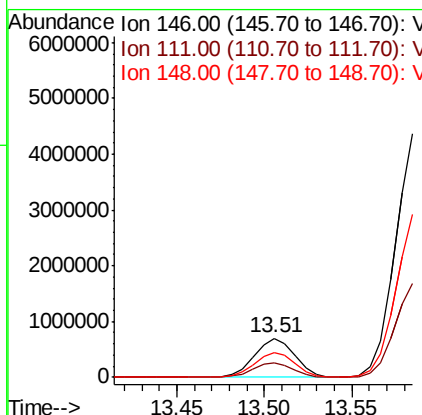
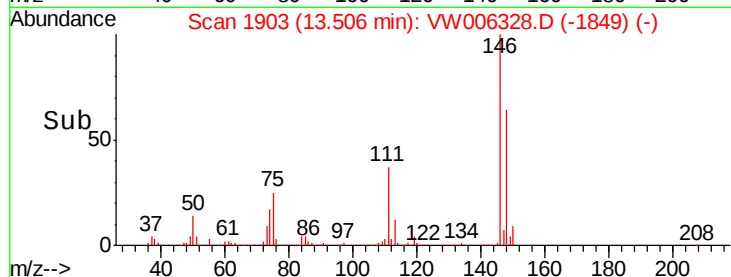
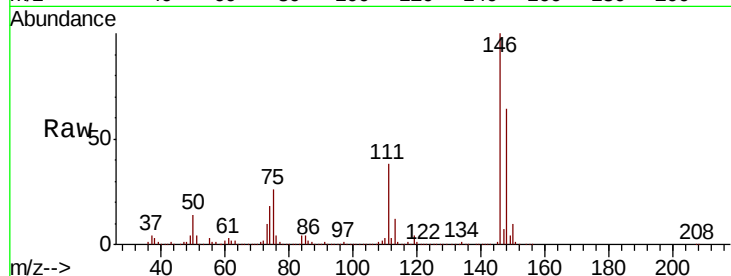




#63
 1,3-Dichlorobenzene
 Concen: 359.830 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006328.D
 Acq: 24 Oct 2018 19:01

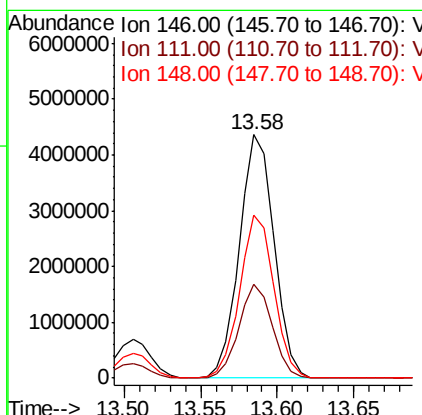
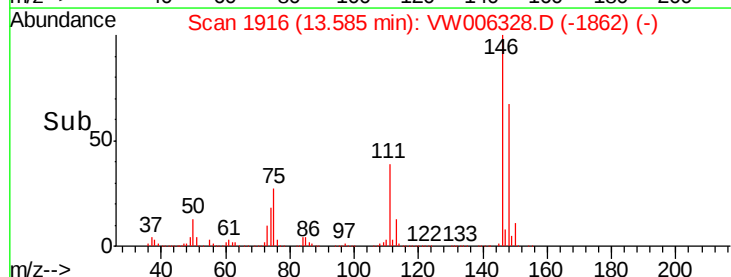
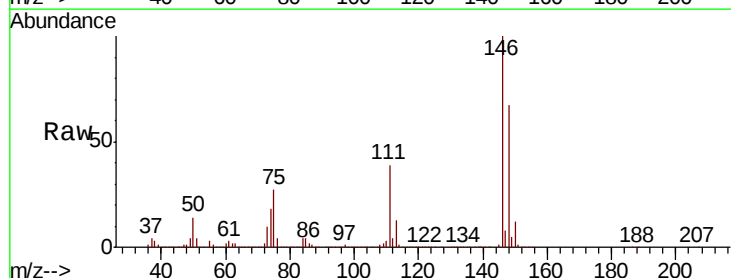
Instrument :
 MSVOA_W
 ClientSampleId :
 A40G2

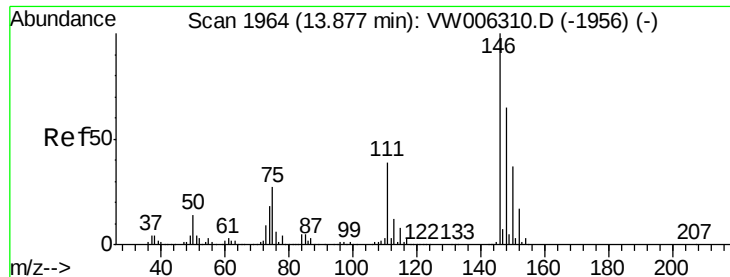
Tgt Ion:146 Resp: 1111071
 Ion Ratio Lower Upper
 146 100
 111 37.5 26.3 48.9
 148 64.1 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 2212.549 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006328.D
 Acq: 24 Oct 2018 19:01

Tgt Ion:146 Resp: 6879746
 Ion Ratio Lower Upper
 146 100
 111 38.7 24.7 45.9
 148 66.8 44.9 83.5

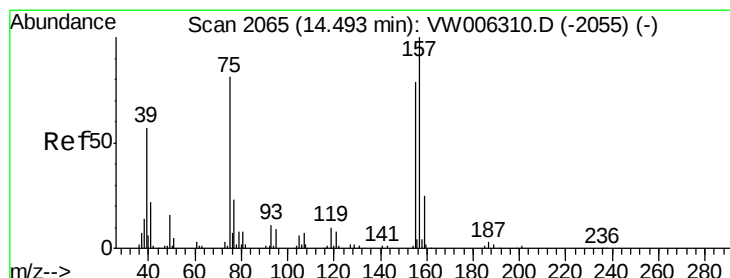
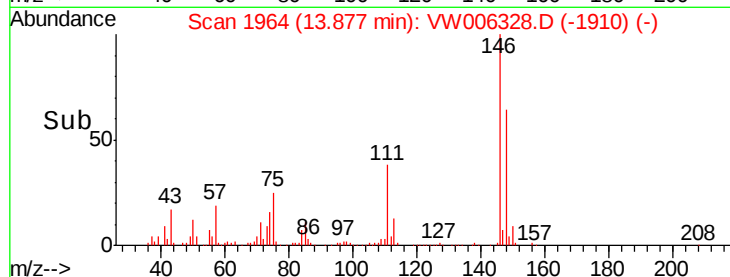
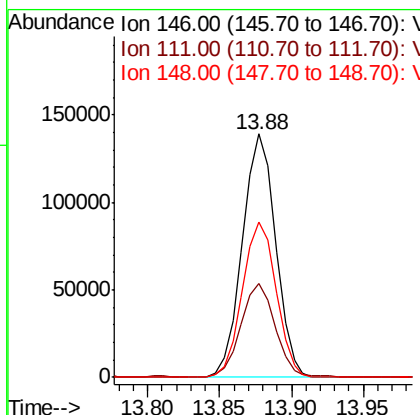
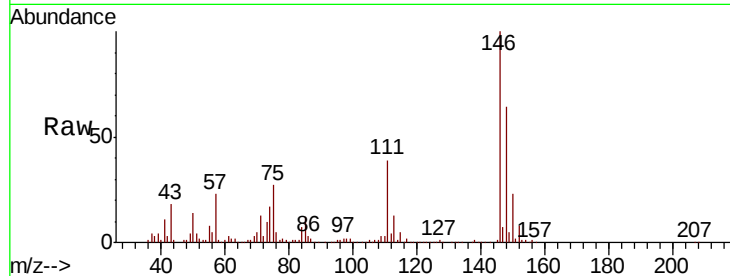




#65
 1,2-Dichlorobenzene
 Concen: 78.464 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006328.D
 Acq: 24 Oct 2018 19:01

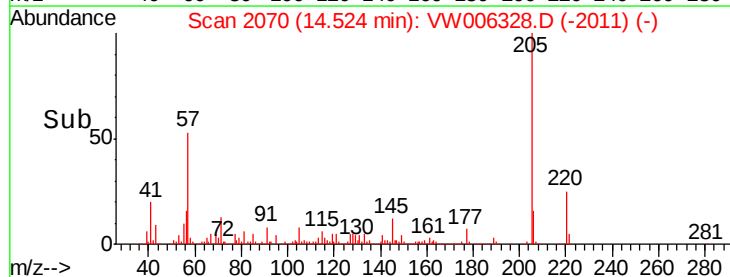
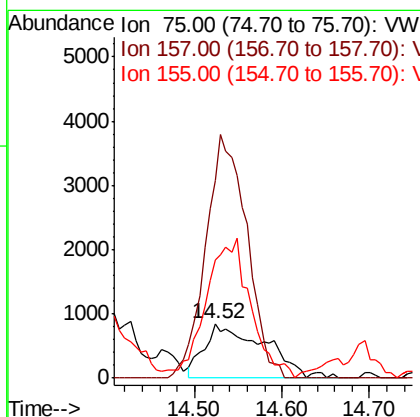
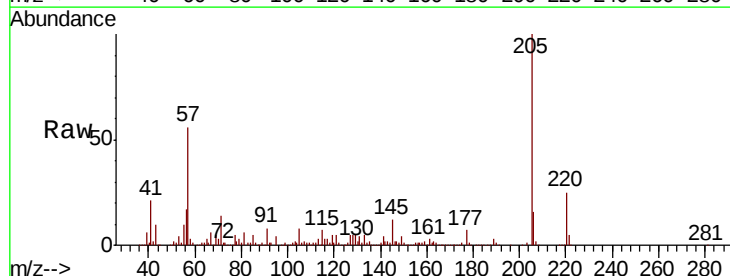
Instrument :
 MSVOA_W
 ClientSampleId :
 A40G2

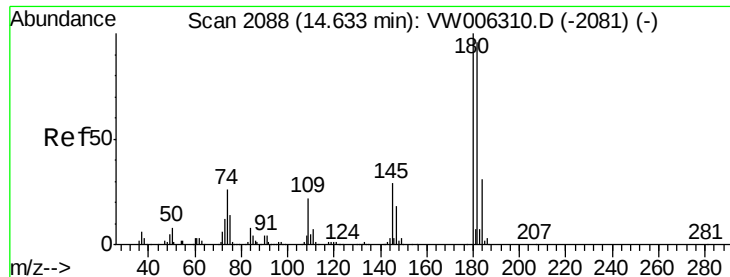
Tgt Ion: 146 Resp: 222883
 Ion Ratio Lower Upper
 146 100
 111 38.6 31.1 46.7
 148 63.9 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 17.600 ug/L
 RT: 14.52 min Scan# 2070
 Delta R.T. 0.03 min
 Lab File: VW006328.D
 Acq: 24 Oct 2018 19:01

Tgt Ion: 75 Resp: 4024
 Ion Ratio Lower Upper
 75 100
 157 364.9 106.8 160.2#
 155 218.6 79.2 118.8#

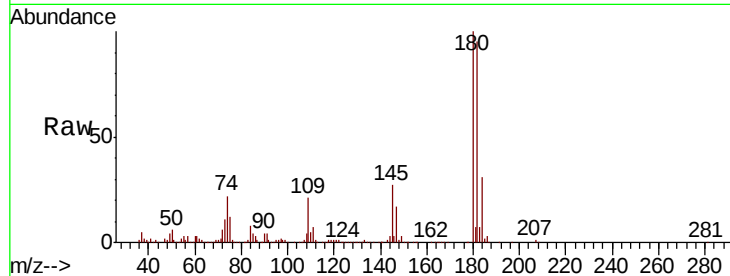




#67
 1,3,5-Trichlorobenzene
 Concen: 63.540 ug/L
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.51 min
 Lab File: VW006328.D
 Acq: 24 Oct 2018 19:01

Instrument :
 MSVOA_W
 ClientSampleId :
 A40G2

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	158150		
182	95.7	76.0	114.0	
184	30.8	24.3	36.5	
145	28.6	22.6	33.8	



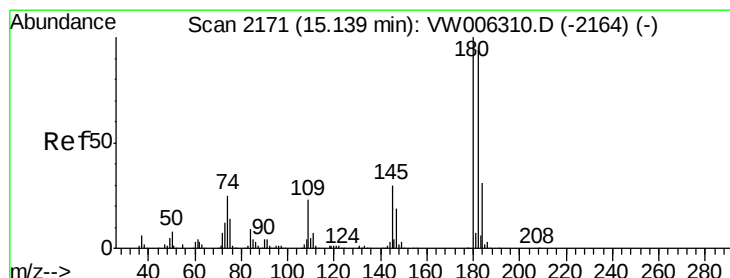
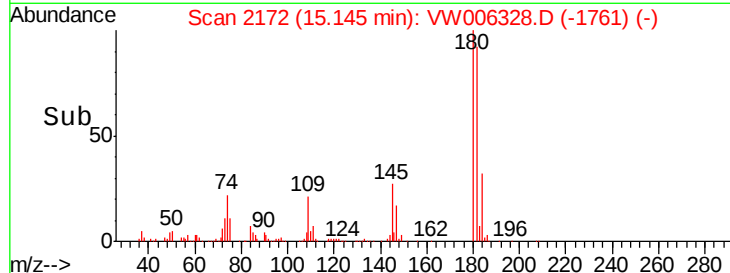
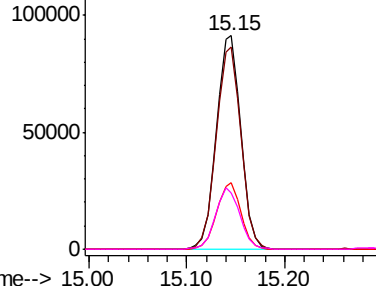
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

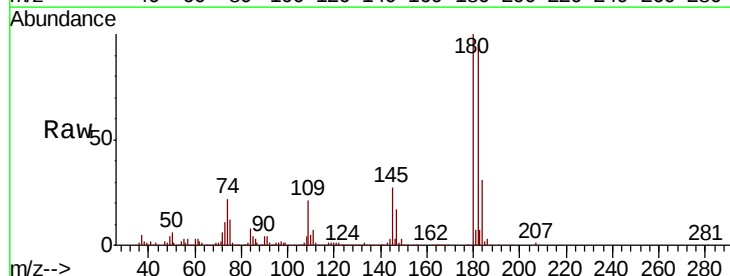
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 74.516 ug/L
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.00 min
 Lab File: VW006328.D
 Acq: 24 Oct 2018 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	158150		
182	95.6	76.2	114.2	
145	28.6	23.0	34.6	

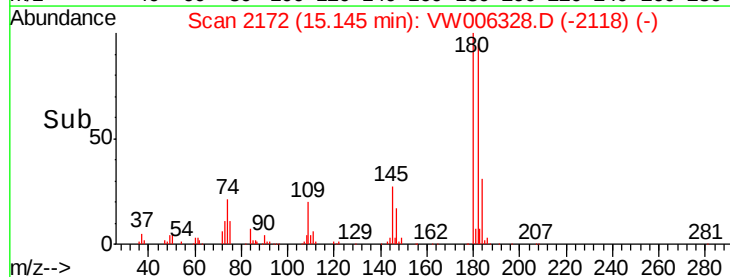
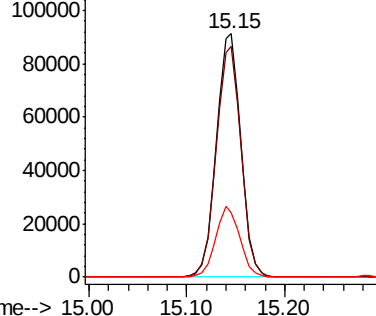


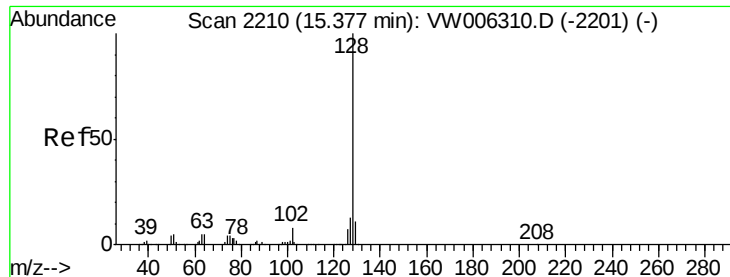
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 9.625 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006328.D

Acq: 24 Oct 2018 19:01

Instrument :

MSVOA_W

ClientSampleId :

A40G2

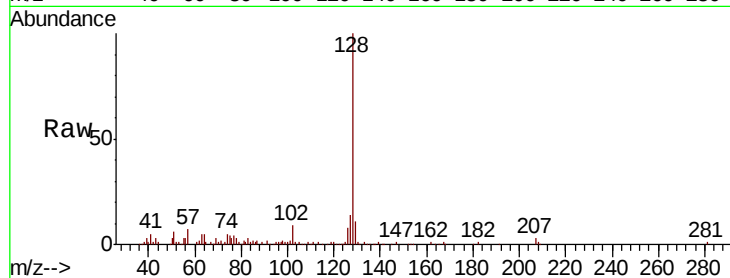
Tgt Ion:128 Resp: 41360

Ion Ratio Lower Upper

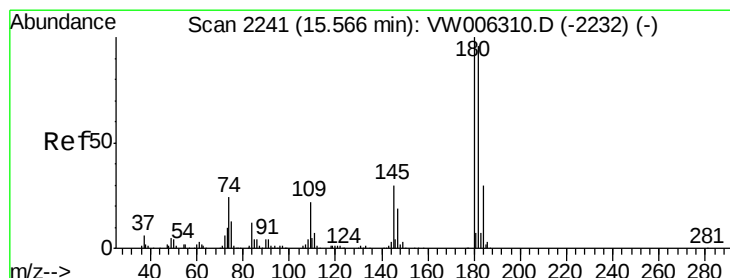
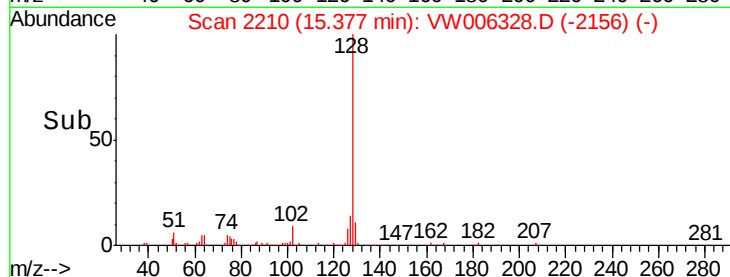
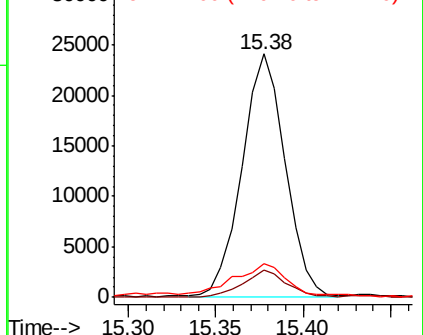
128 100

129 11.2 8.9 13.3

127 16.2 10.5 15.7#



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



#70

1,2,3-Trichlorobenzene

Concen: 14.077 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW006328.D

Acq: 24 Oct 2018 19:01

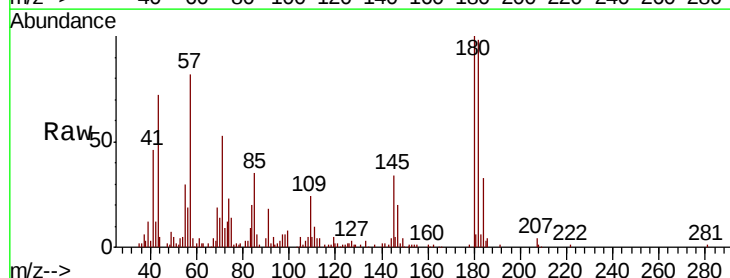
Tgt Ion:180 Resp: 26841

Ion Ratio Lower Upper

180 100

182 97.6 75.5 113.3

145 35.2 24.5 36.7



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

