

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102818\
 Data File : VW006408.D
 Acq On : 26 Oct 2018 15:40
 Operator : SY/AP
 Sample : J5635-25
 Misc : 4.96G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A40G1

Quant Time: Oct 26 23:49:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 26 23:43:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	341692	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	288652	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.39	152	157	25.00	ug/L	-0.18

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	74150	19.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.96%
7) Chloroethane-d5	2.90	69	74228	22.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.52%
10) 1,1-Dichloroethene-d2	4.01	63	113793	15.38	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.52%
20) 2-Butanone-d5	7.09	46	48399	37.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.78%
24) Chloroform-d	7.65	84	175777	23.75	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	8.31	65	95198	23.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.00%
29) Benzene-d6	8.27	84	346197	26.42	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.68%
33) 1,2-Dichloropropane-d6	9.27	67	101182	25.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.32%
37) Toluene-d8	10.33	98	317882	24.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.04%
38) trans-1,3-Dichloropropene-	10.58	79	38369	19.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.84%
39) 2-Hexanone-d5	10.93	63	40383	42.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.52%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	82894	21.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.20%
61) 1,2-Dichlorobenzene-d4	13.86	152	82376	15308.32	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	61233.28%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acetone	4.13	43	35447	27.470	ug/L	99
14) Carbon disulfide	4.37	76	8179	0.638	ug/L	98
15) Methyl Acetate	4.67	43	1266	0.606	ug/L	98
21) 2-Butanone	7.18	43	5986	3.491	ug/L #	70
34) Benzene	8.32	78	22915	1.546	ug/L	100
35) Trichloroethene	8.85	95	9982	2.394	ug/L #	2
40) 1,2-Dichloropropane	9.27	63	11823	3.216	ug/L #	87
42) cis-1,3-Dichloropropene	10.04	75	3022	0.503	ug/L	90
44) Toluene	10.39	91	10201	0.613	ug/L	95
52) Chlorobenzene	11.66	112	37972	3.372	ug/L	97
54) m,p-Xylene	11.85	106	7767	1.023	ug/L	95
55) o-xylene	12.17	106	12824	1.769	ug/L	98
57) Isopropylbenzene	12.47	105	150507	7.461	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	504963	52374.399	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	3238880	333595.034	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	110039	12406.399	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.52	75	3478	4871.666	ug/L #	1

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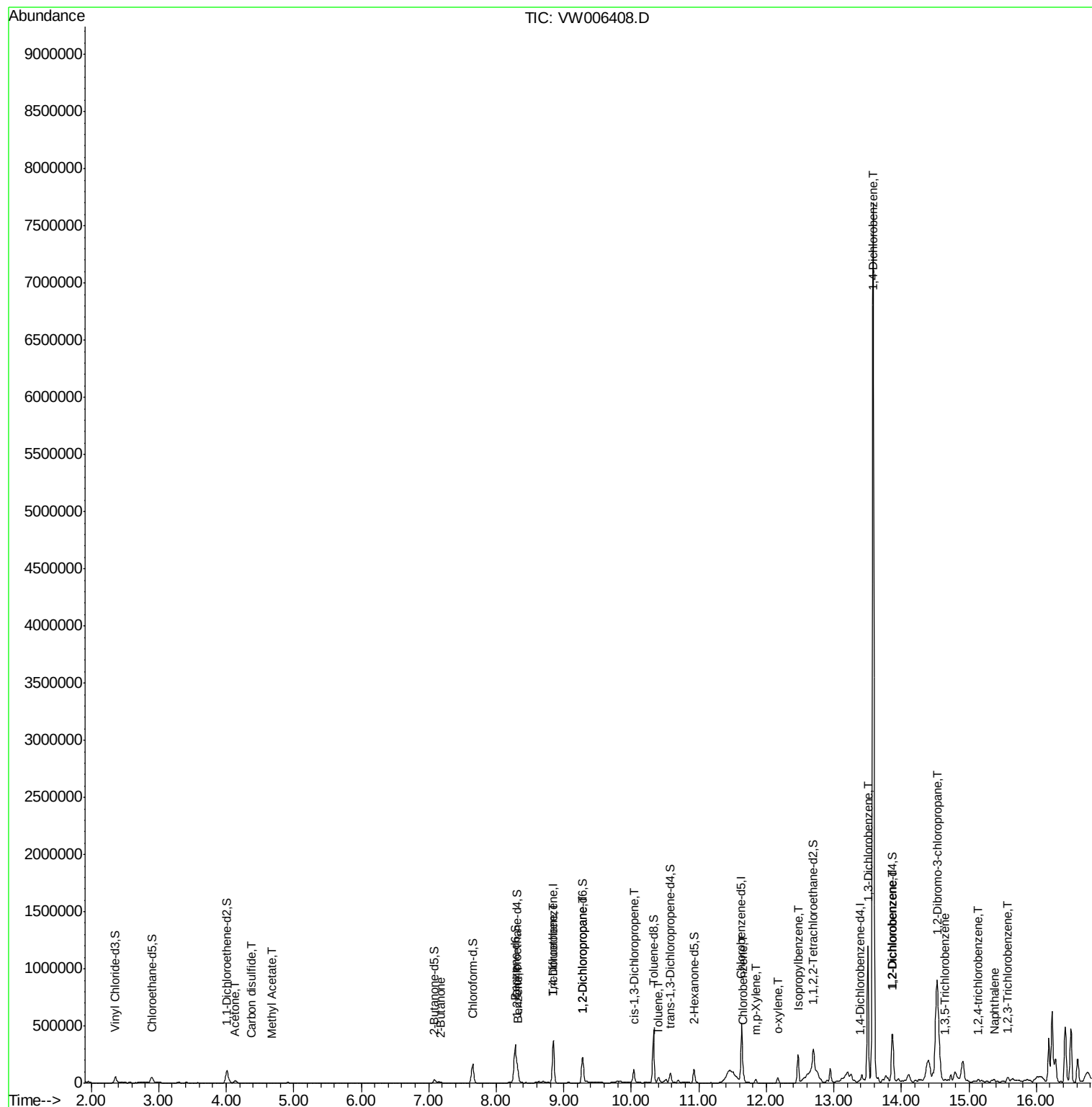
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,3,5-Trichlorobenzene	14.63	180	178	22.904	ug/L #	46
68) 1,2,4-trichlorobenzene	15.15	180	7218	1089.191	ug/L #	94
69) Naphthalene	15.38	128	23562	1756.096	ug/L	96
70) 1,2,3-Trichlorobenzene	15.57	180	272	45.687	ug/L #	1

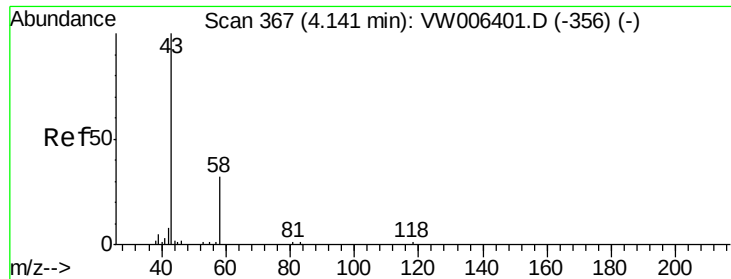
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 27.470 ug/L

RT: 4.13 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW006408.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_W

ClientSampleId :

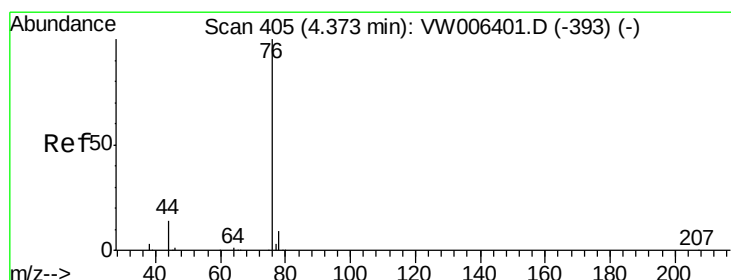
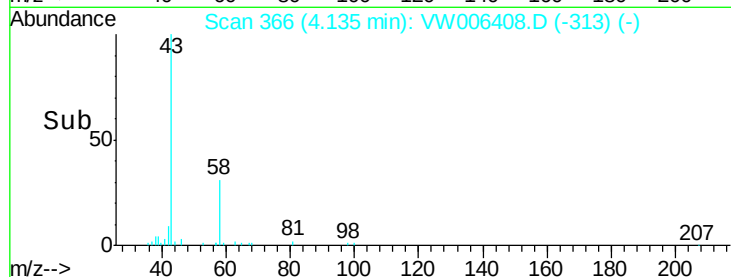
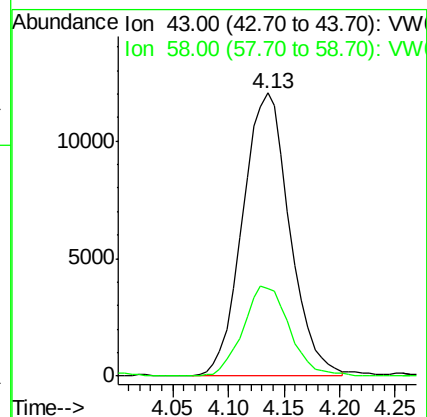
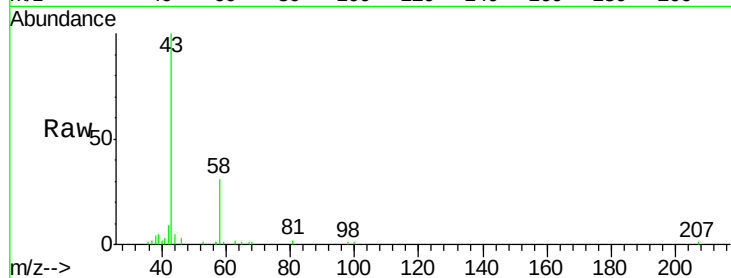
A40G1

Tgt Ion: 43 Resp: 35447

Ion Ratio Lower Upper

43 100

58 31.3 0.0 61.2



#14

Carbon disulfide

Concen: 0.638 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW006408.D

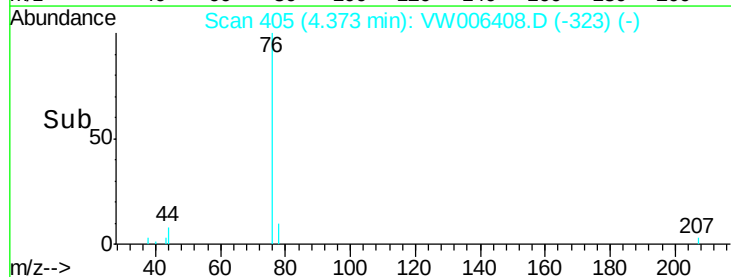
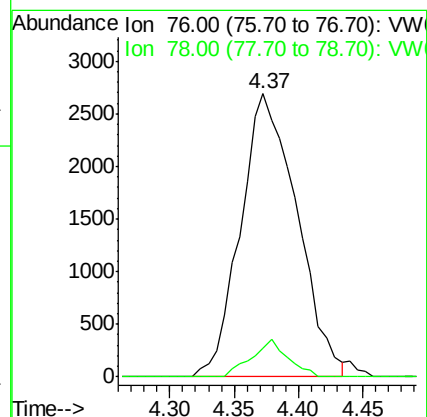
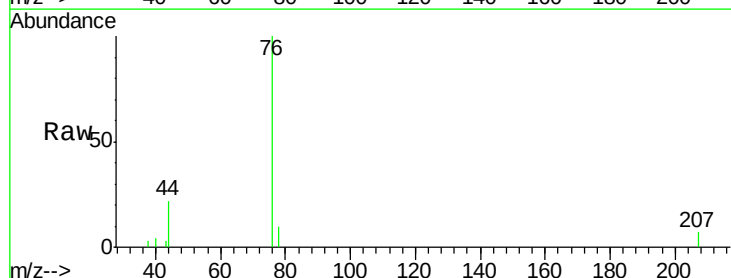
Acq: 26 Oct 2018 15:40

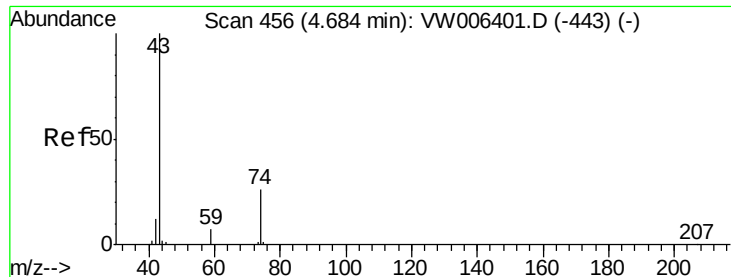
Tgt Ion: 76 Resp: 8179

Ion Ratio Lower Upper

76 100

78 10.3 7.6 11.4

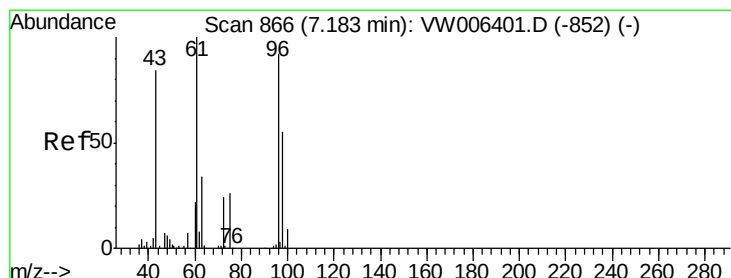
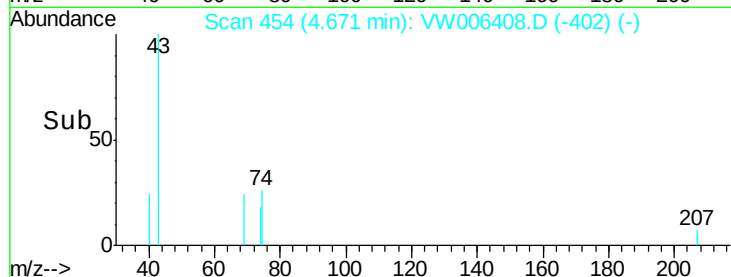
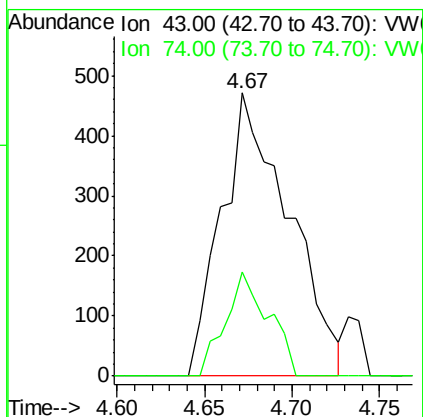
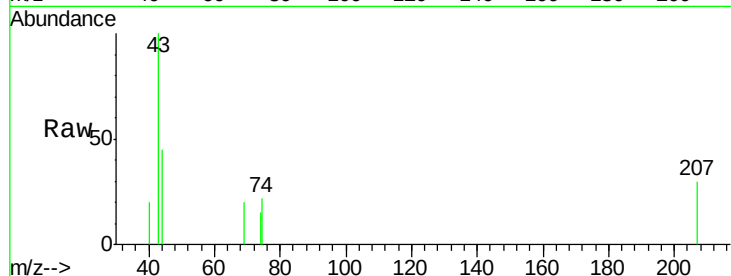




#15
Methyl Acetate
Concen: 0.606 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW006408.D
Acq: 26 Oct 2018 15:40

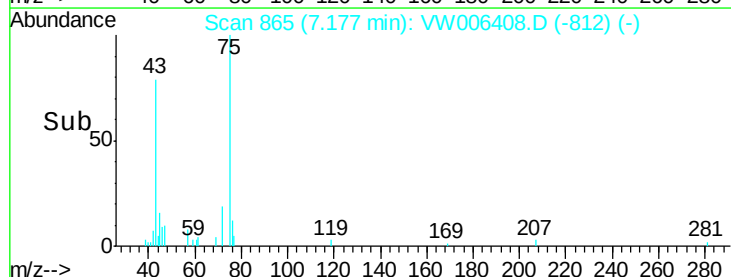
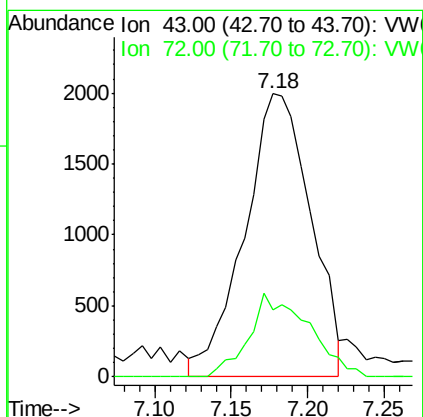
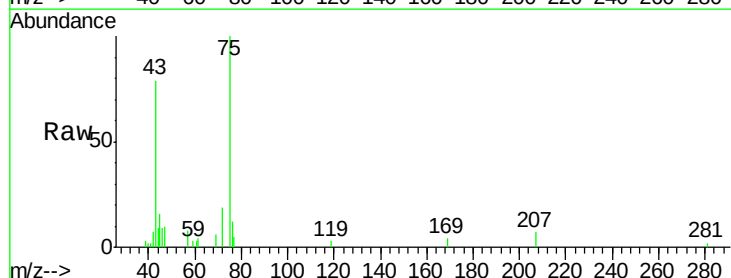
Instrument :
MSVOA_W
ClientSampled :
A40G1

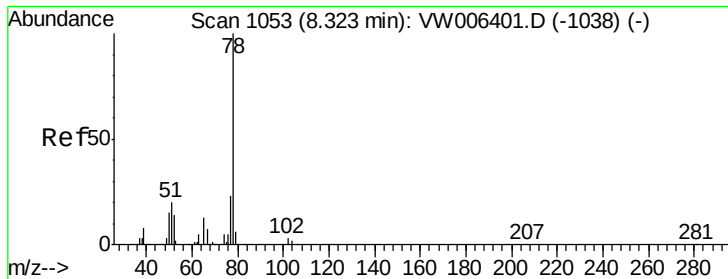
Tgt Ion: 43 Resp: 1266
Ion Ratio Lower Upper
43 100
74 23.5 19.4 29.2



#21
2-Butanone
Concen: 3.491 ug/L
RT: 7.18 min Scan# 865
Delta R.T. -0.01 min
Lab File: VW006408.D
Acq: 26 Oct 2018 15:40

Tgt Ion: 43 Resp: 5986
Ion Ratio Lower Upper
43 100
72 11.8 13.8 41.4#





#34

Benzene

Concen: 1.546 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW006408.D

Acq: 26 Oct 2018 15:40

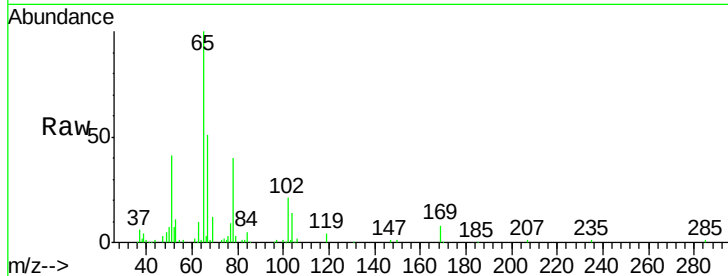
Instrument :

MSVOA_W

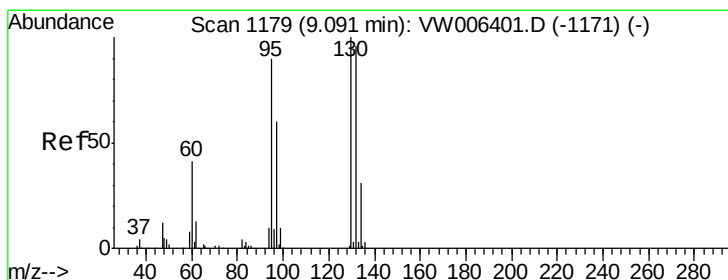
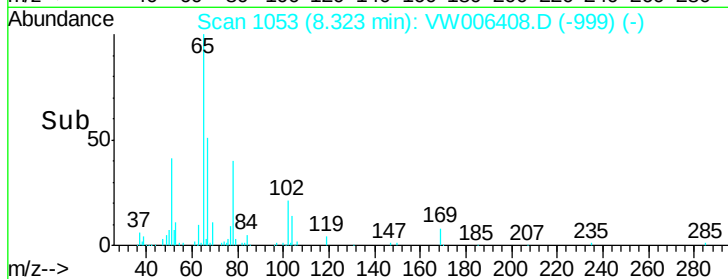
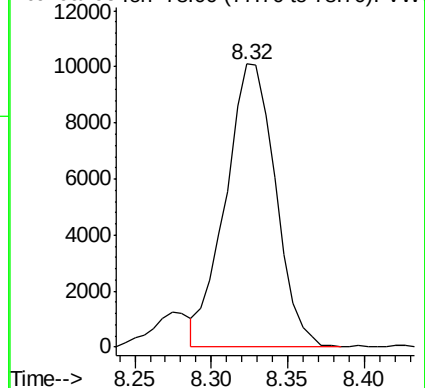
ClientSampleId :

A40G1

Tgt Ion: 78 Resp: 22915



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 2.394 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW006408.D

Acq: 26 Oct 2018 15:40

Tgt Ion: 95 Resp: 9982

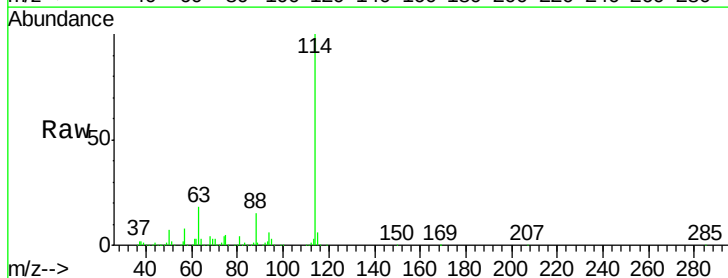
Ion Ratio Lower Upper

95 100

97 0.5 45.8 85.0#

132 0.0 72.9 135.3#

130 0.0 75.8 140.8#

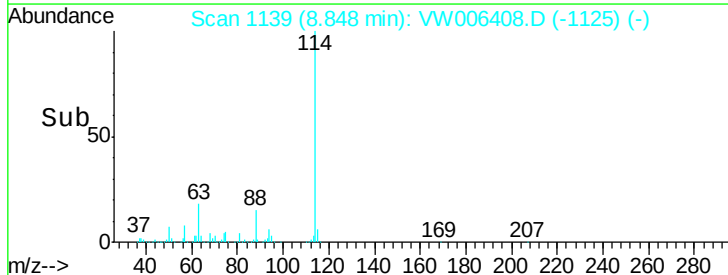
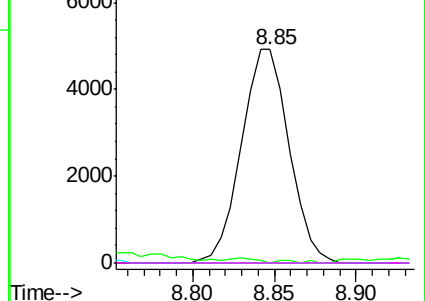


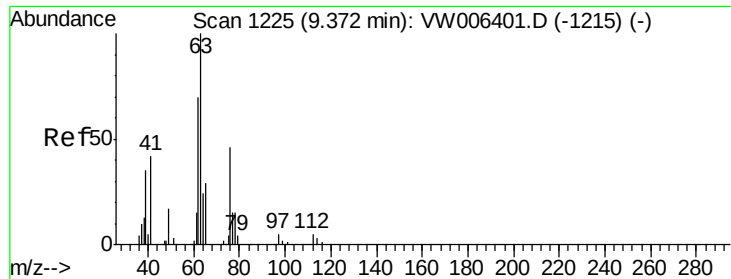
Abundance Ion 95.00 (94.70 to 95.70): VW

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

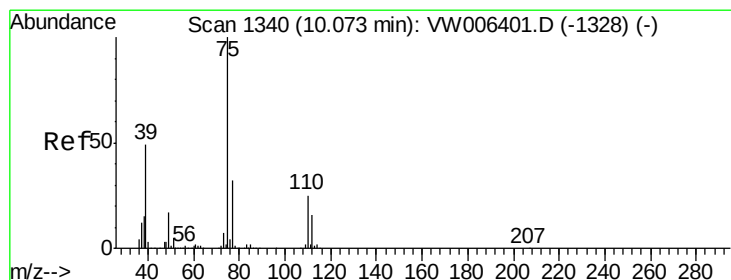
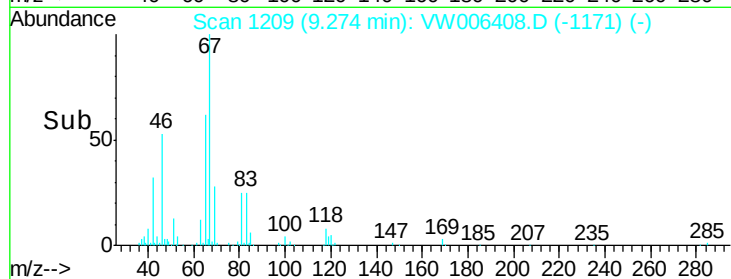
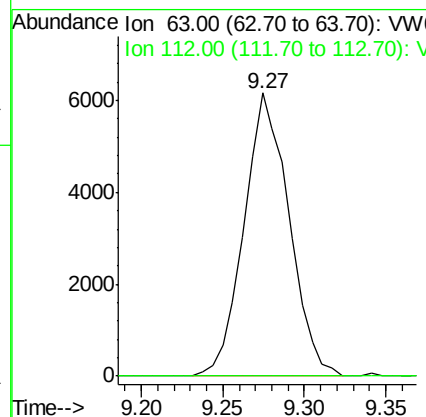
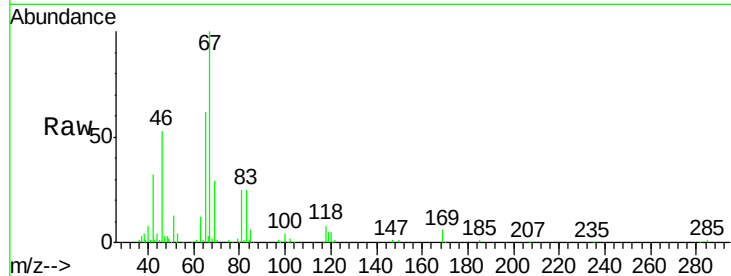




#40
 1,2-Dichloropropane
 Concen: 3.216 ug/L
 RT: 9.27 min Scan# 1209
 Delta R.T. -0.10 min
 Lab File: VW006408.D
 Acq: 26 Oct 2018 15:40

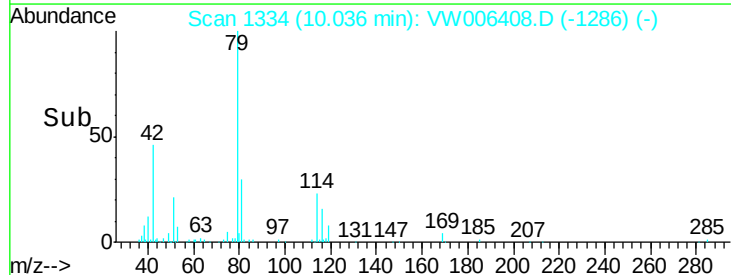
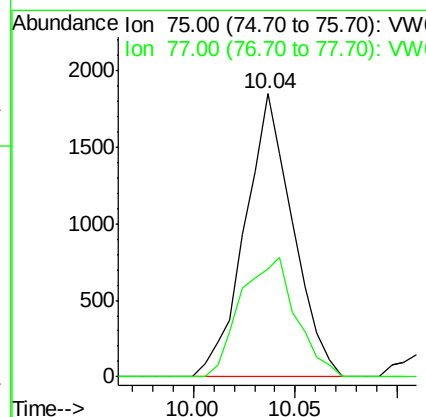
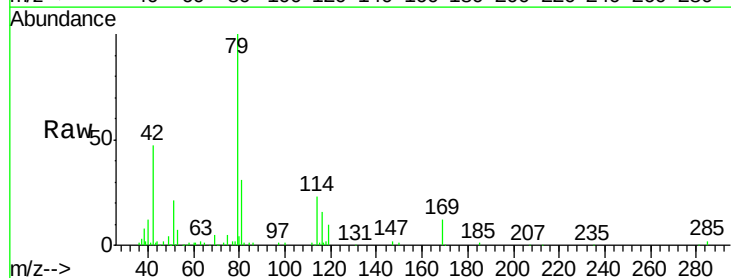
Instrument :
 MSVOA_W
 ClientSampleId :
 A40G1

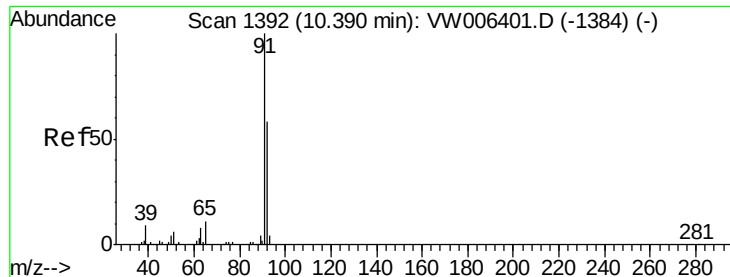
Tgt Ion: 63 Resp: 11823
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#42
 cis-1,3-Dichloropropene
 Concen: 0.503 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW006408.D
 Acq: 26 Oct 2018 15:40

Tgt Ion: 75 Resp: 3022
 Ion Ratio Lower Upper
 75 100
 77 38.1 22.6 42.0





#44

Toluene

Concen: 0.613 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006408.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_W

ClientSampleId :

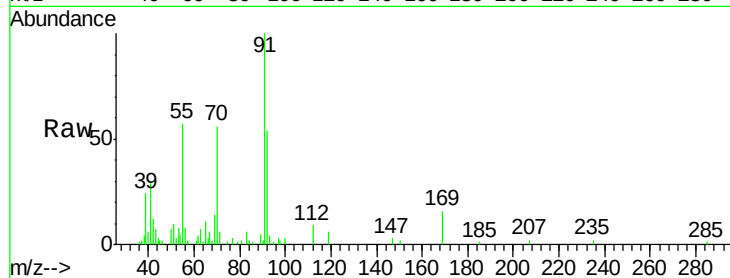
A40G1

Tgt Ion: 91 Resp: 10201

Ion Ratio Lower Upper

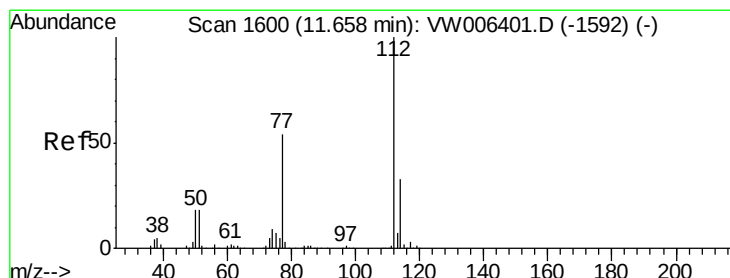
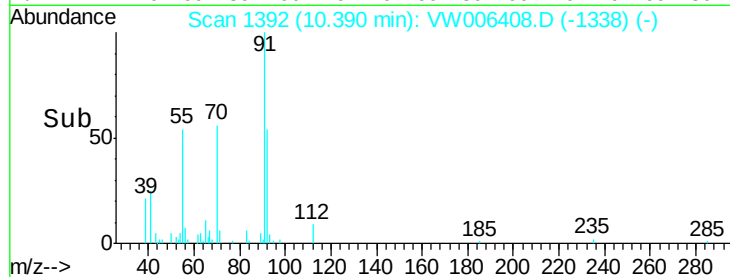
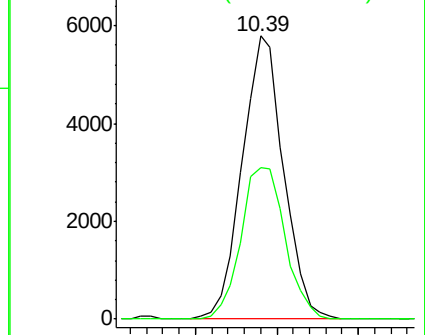
91 100

92 53.7 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#52

Chlorobenzene

Concen: 3.372 ug/L

RT: 11.66 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VW006408.D

Acq: 26 Oct 2018 15:40

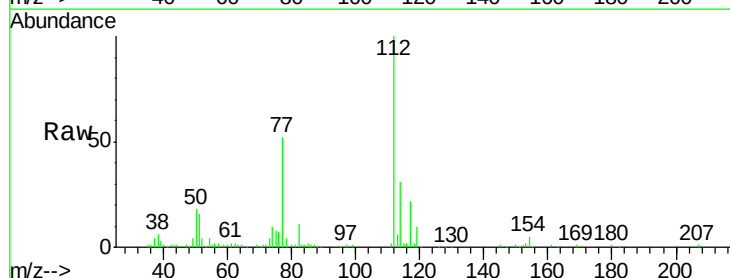
Tgt Ion: 112 Resp: 37972

Ion Ratio Lower Upper

112 100

77 52.0 44.2 66.2

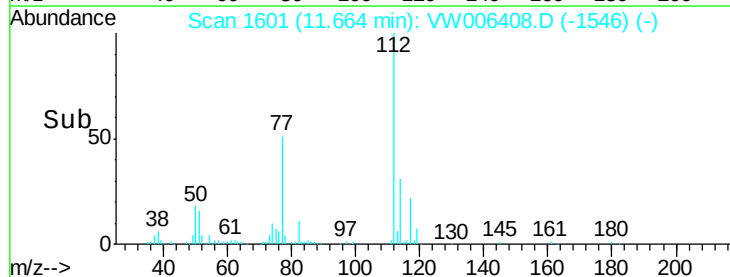
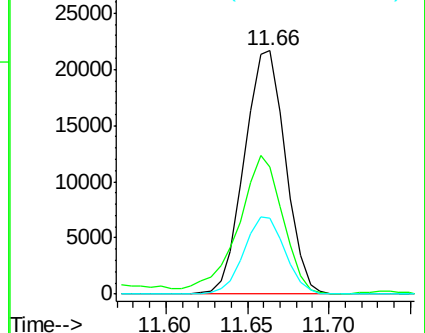
114 31.1 22.1 41.1

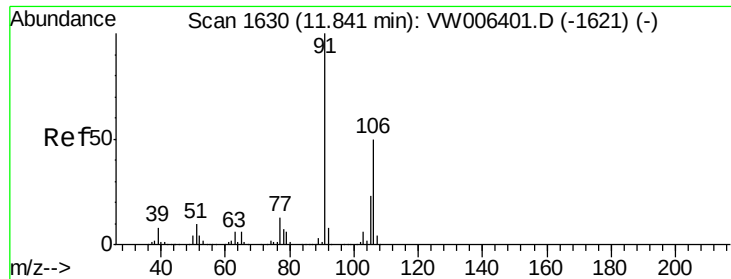


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V





#54

m,p-Xylene

Concen: 1.023 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.01 min

Lab File: VW006408.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_W

ClientSampled :

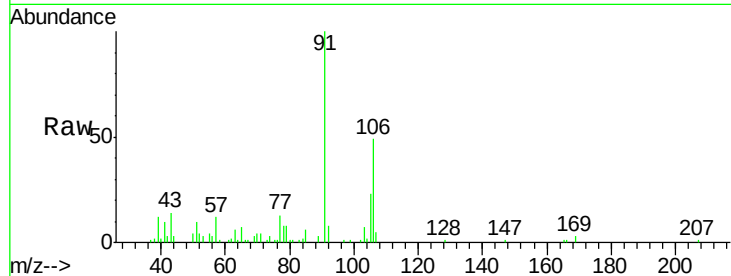
A40G1

Tgt Ion:106 Resp: 7767

Ion Ratio Lower Upper

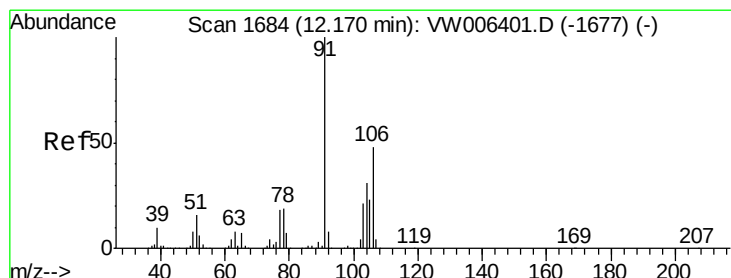
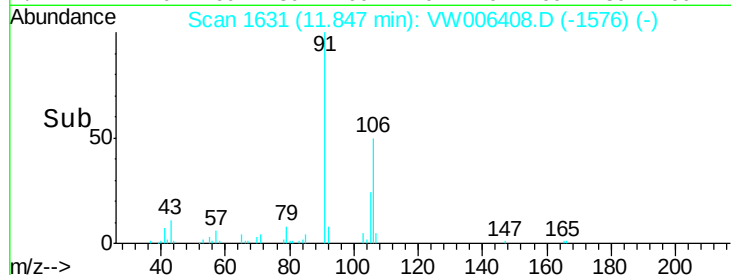
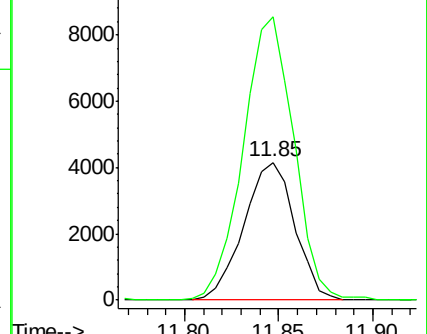
106 100

91 205.8 138.4 257.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 1.769 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW006408.D

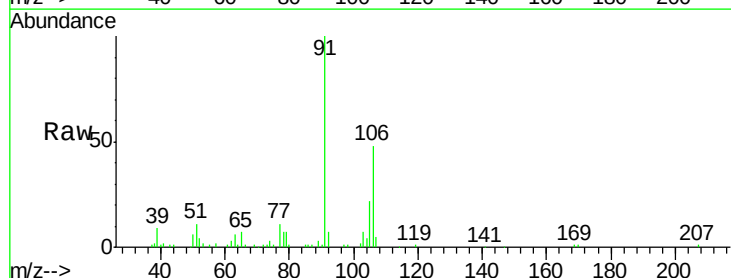
Acq: 26 Oct 2018 15:40

Tgt Ion:106 Resp: 12824

Ion Ratio Lower Upper

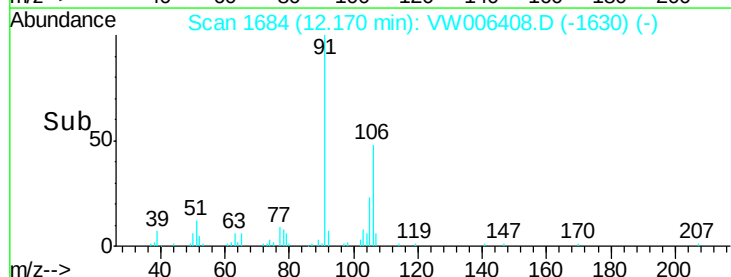
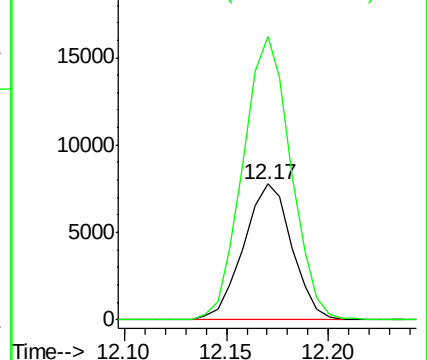
106 100

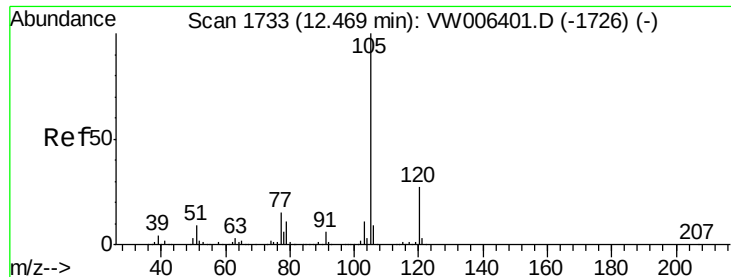
91 208.6 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#57

Isopropylbenzene

Concen: 7.461 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006408.D

Acq: 26 Oct 2018 15:40

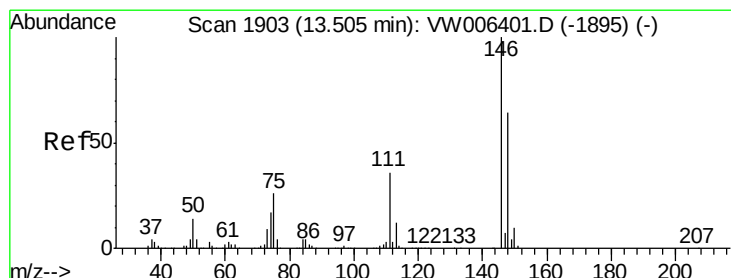
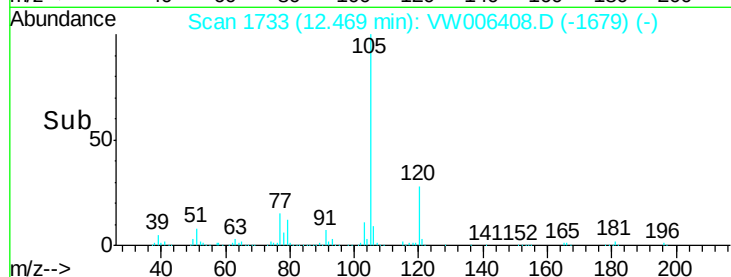
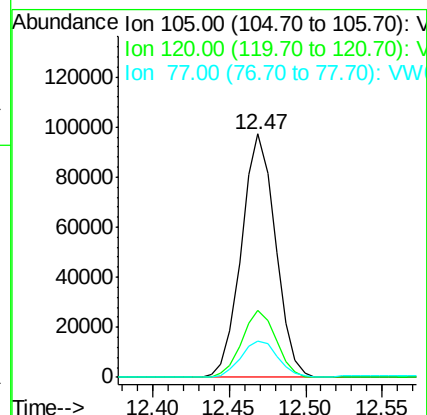
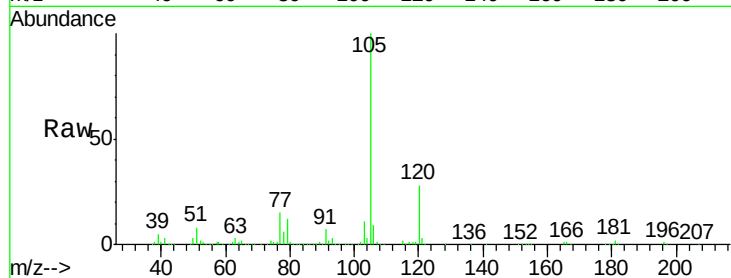
Instrument :

MSVOA_W

ClientSampleId :

A40G1

Tgt Ion:	105	Resp:	150507
Ion Ratio	Lower	Upper	
105	100		
120	27.5	21.8	32.6
77	16.2	12.2	18.2



#63

1,3-Dichlorobenzene

Concen: 52374.399 ug/L

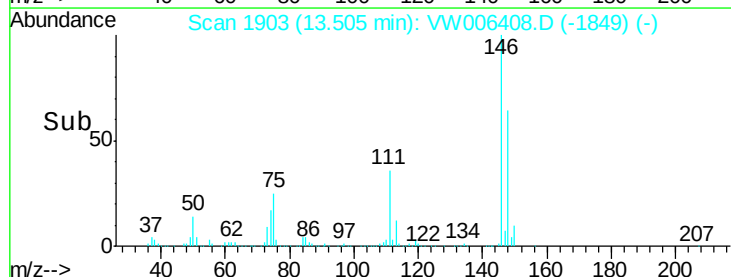
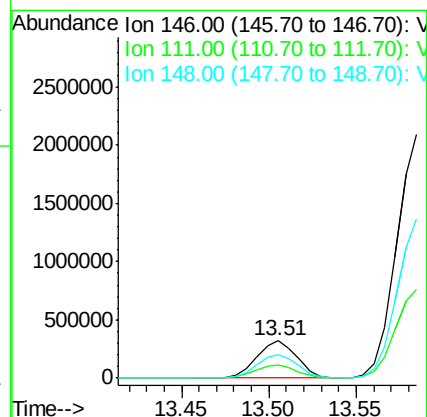
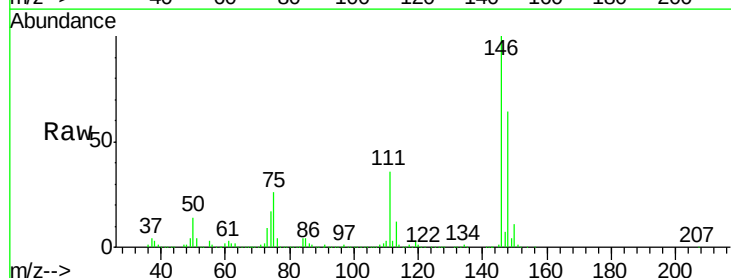
RT: 13.51 min Scan# 1903

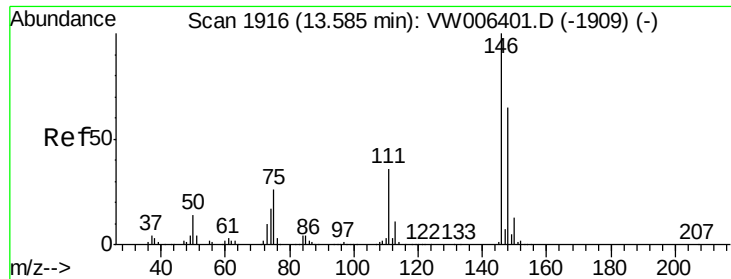
Delta R.T. -0.00 min

Lab File: VW006408.D

Acq: 26 Oct 2018 15:40

Tgt Ion:	146	Resp:	504963
Ion Ratio	Lower	Upper	
146	100		
111	36.5	26.3	48.9
148	64.4	44.7	82.9

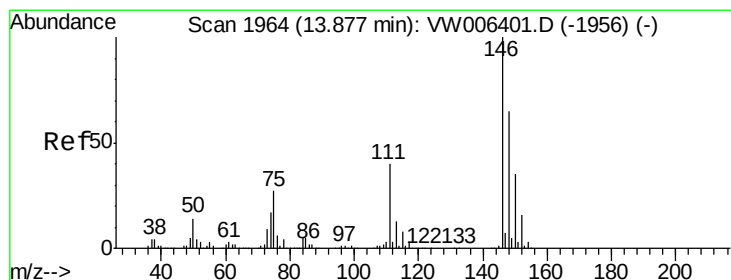
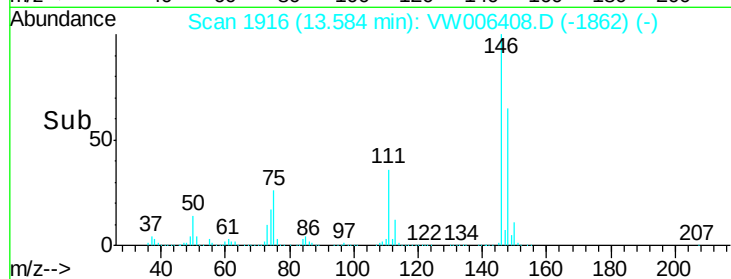
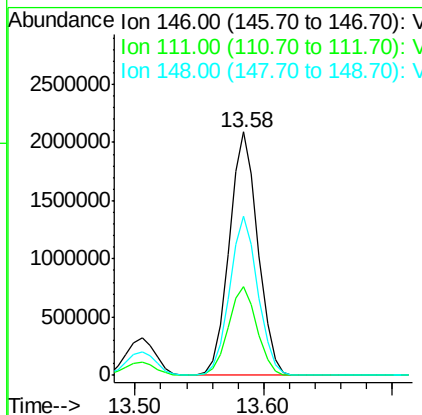
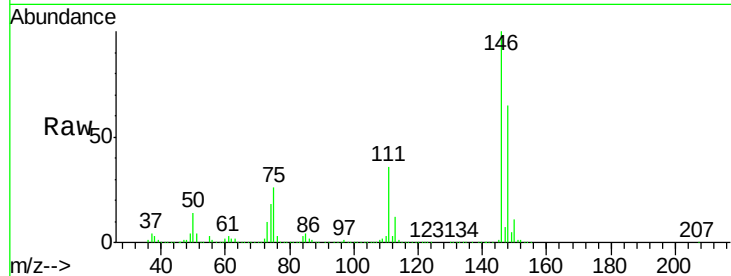




#64
 1,4-Dichlorobenzene
 Concen: 333595.034 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW006408.D
 Acq: 26 Oct 2018 15:40

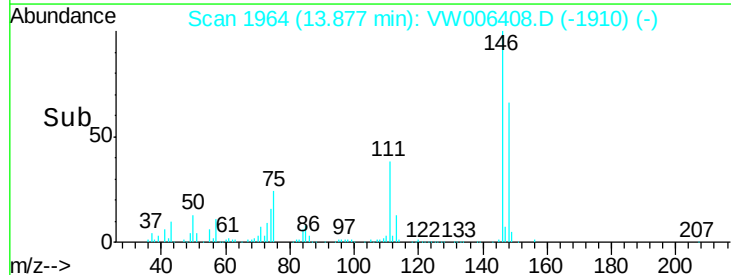
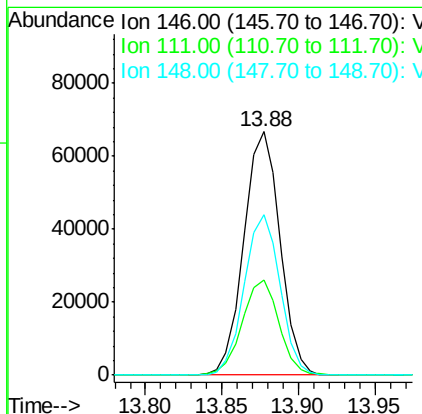
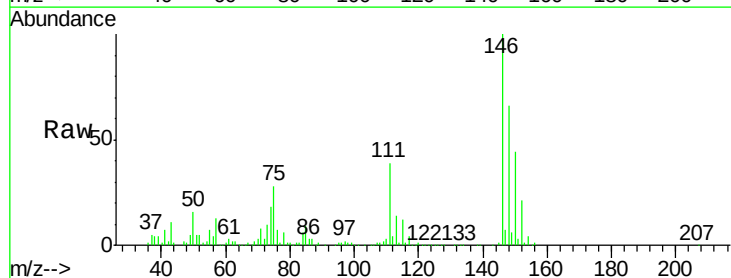
Instrument :
 MSVOA_W
 ClientSampleId :
 A40G1

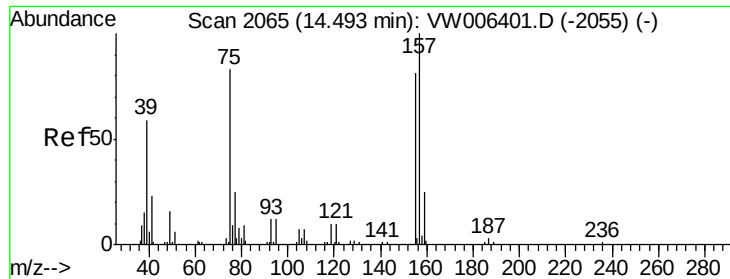
Tgt Ion:146 Resp: 3238880
 Ion Ratio Lower Upper
 146 100
 111 36.4 24.7 45.9
 148 65.2 44.9 83.5



#65
 1,2-Dichlorobenzene
 Concen: 12406.399 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006408.D
 Acq: 26 Oct 2018 15:40

Tgt Ion:146 Resp: 110039
 Ion Ratio Lower Upper
 146 100
 111 39.1 31.1 46.7
 148 66.1 51.2 76.8

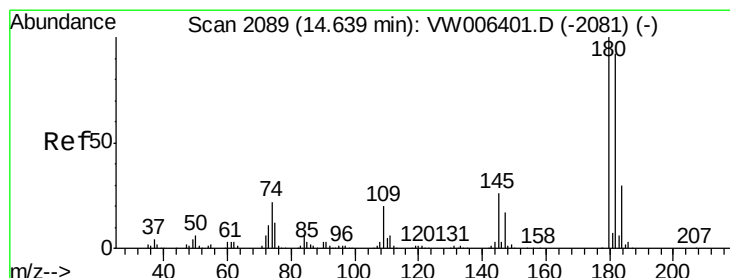
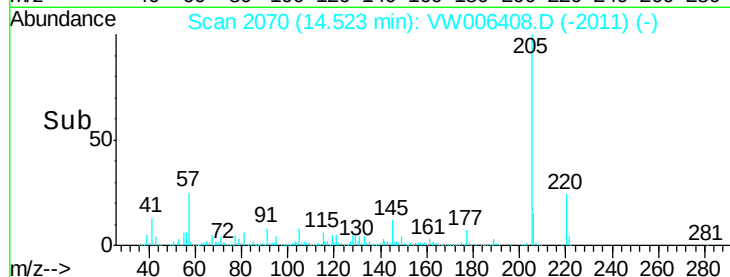
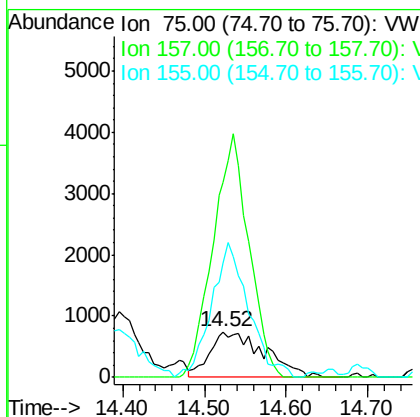
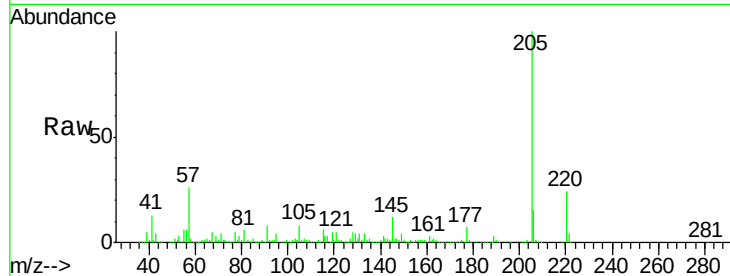




#66
 1,2-Dibromo-3-chloropropane
 Concen: 4871.666 ug/L
 RT: 14.52 min Scan# 2070
 Delta R.T. 0.03 min
 Lab File: VW006408.D
 Acq: 26 Oct 2018 15:40

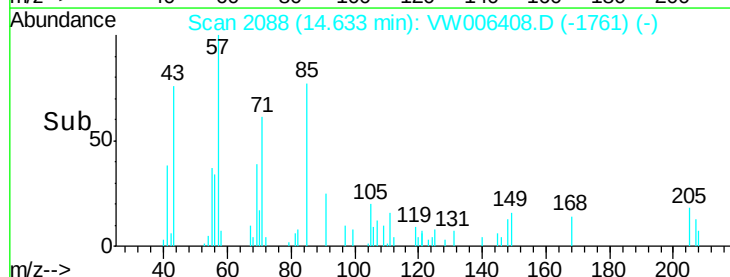
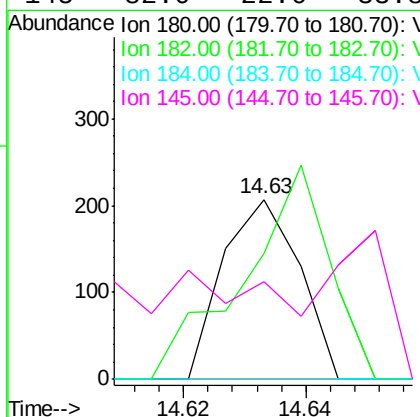
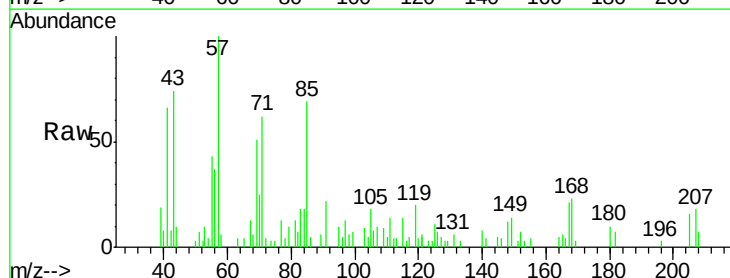
Instrument :
 MSVOA_W
 ClientSampled :
 A40G1

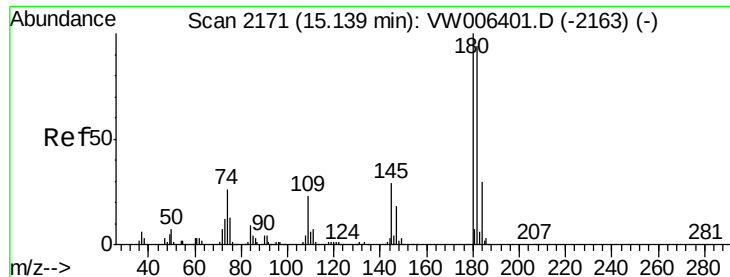
Tgt Ion: 75 Resp: 3478
 Ion Ratio Lower Upper
 75 100
 157 429.8 106.8 160.2#
 155 253.9 79.2 118.8#



#67
 1,3,5-Trichlorobenzene
 Concen: 22.904 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.01 min
 Lab File: VW006408.D
 Acq: 26 Oct 2018 15:40

Tgt Ion: 180 Resp: 178
 Ion Ratio Lower Upper
 180 100
 182 133.7 76.0 114.0#
 184 0.0 24.3 36.5#
 145 82.0 22.6 33.8#





#68

1,2,4-trichlorobenzene

Concen: 1089.191 ug/L

RT: 15.15 min Scan# 2172

Delta R.T. 0.01 min

Lab File: VW006408.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_W

ClientSampled :

A40G1

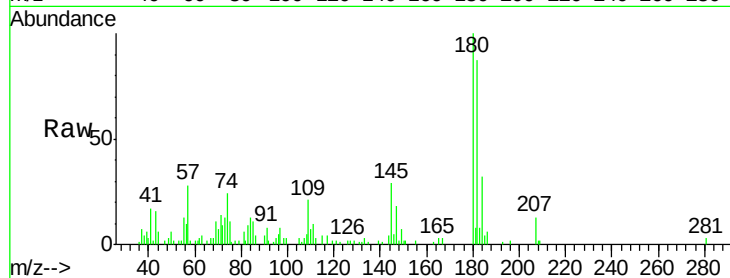
Tgt Ion:180 Resp: 7218

Ion Ratio Lower Upper

180 100

182 96.4 76.2 114.2

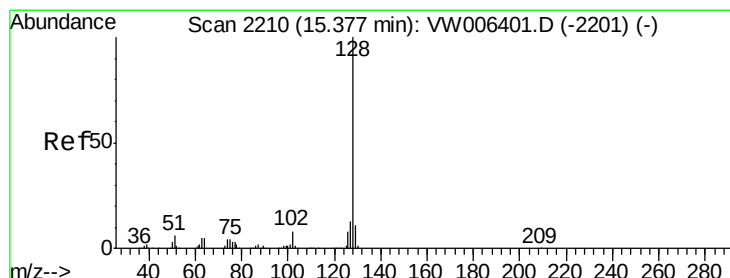
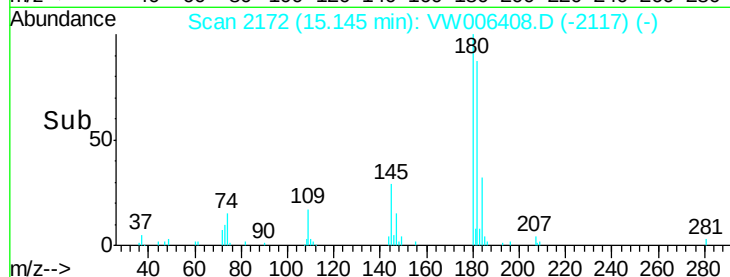
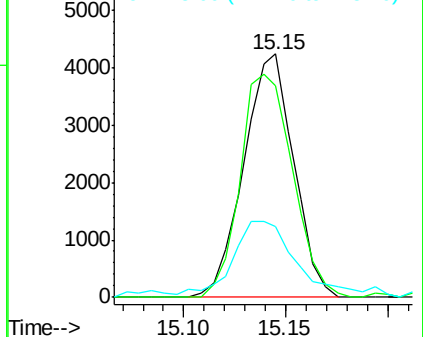
145 39.9 23.0 34.6#



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: 1756.096 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW006408.D

Acq: 26 Oct 2018 15:40

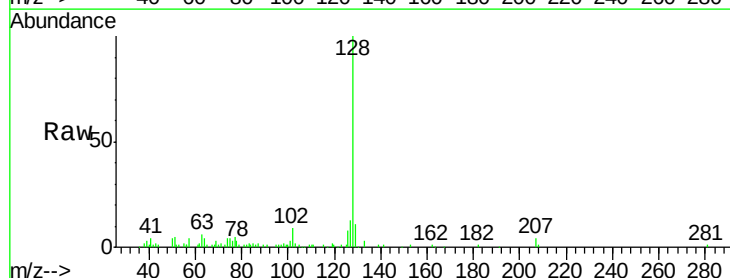
Tgt Ion:128 Resp: 23562

Ion Ratio Lower Upper

128 100

129 12.0 8.9 13.3

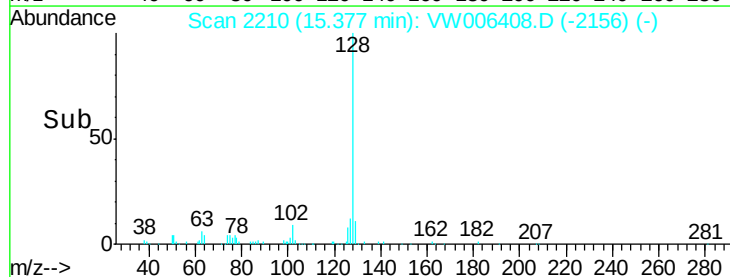
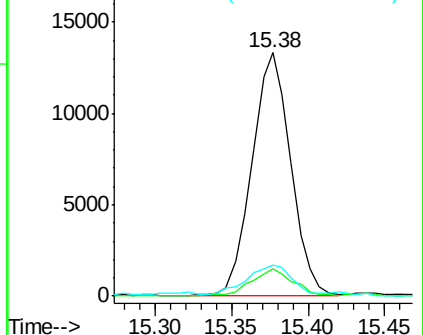
127 15.6 10.5 15.7

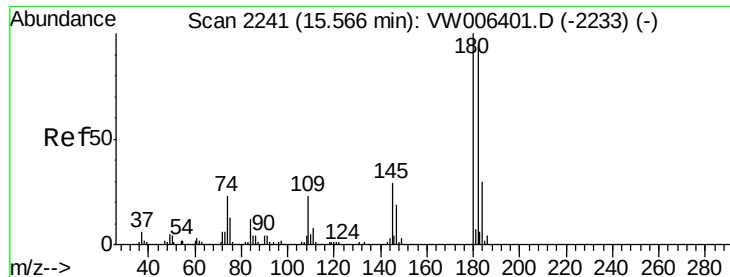


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#70

1,2,3-Trichlorobenzene

Concen: 45.687 ug/L

RT: 15.57 min Scan# 2242

Delta R.T. 0.01 min

Lab File: VW006408.D

Acq: 26 Oct 2018 15:40

Instrument :

MSVOA_W

ClientSampleId :

A40G1

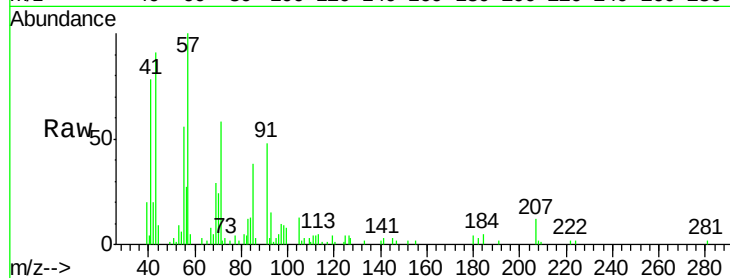
Tgt Ion:180 Resp: 272

Ion Ratio Lower Upper

180 100

182 169.9 75.5 113.3#

145 144.5 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

