

Data File : VW007977.D
Acq On : 27 Dec 2018 18:45
Operator : SY/AP
Sample : J6540-05MS
Misc : 5.78G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAEN7MS

Quant Time: Dec 28 05:59:43 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 28 05:56:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	88323	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	81564	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	40995	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	17389	19.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.92%
7) Chloroethane-d5	2.89	69	12706	21.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.68%
10) 1,1-Dichloroethene-d2	4.01	63	48301	20.50	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.00%
20) 2-Butanone-d5	7.08	46	25926	69.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	139.68%#
24) Chloroform-d	7.65	84	49313	20.99	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.96%
26) 1,2-Dichloroethane-d4	8.31	65	34436	24.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.76%
29) Benzene-d6	8.27	84	93044	20.34	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	81.36%
33) 1,2-Dichloropropane-d6	9.27	67	26557	21.34	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.36%
37) Toluene-d8	10.32	98	88960	19.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	79.84%
38) trans-1,3-Dichloropropene-	10.58	79	16050	22.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.88%
39) 2-Hexanone-d5	10.93	63	22837	71.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	143.50%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	34299	28.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	114.56%
61) 1,2-Dichlorobenzene-d4	13.86	152	35966	21.72	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.88%

Target Compounds

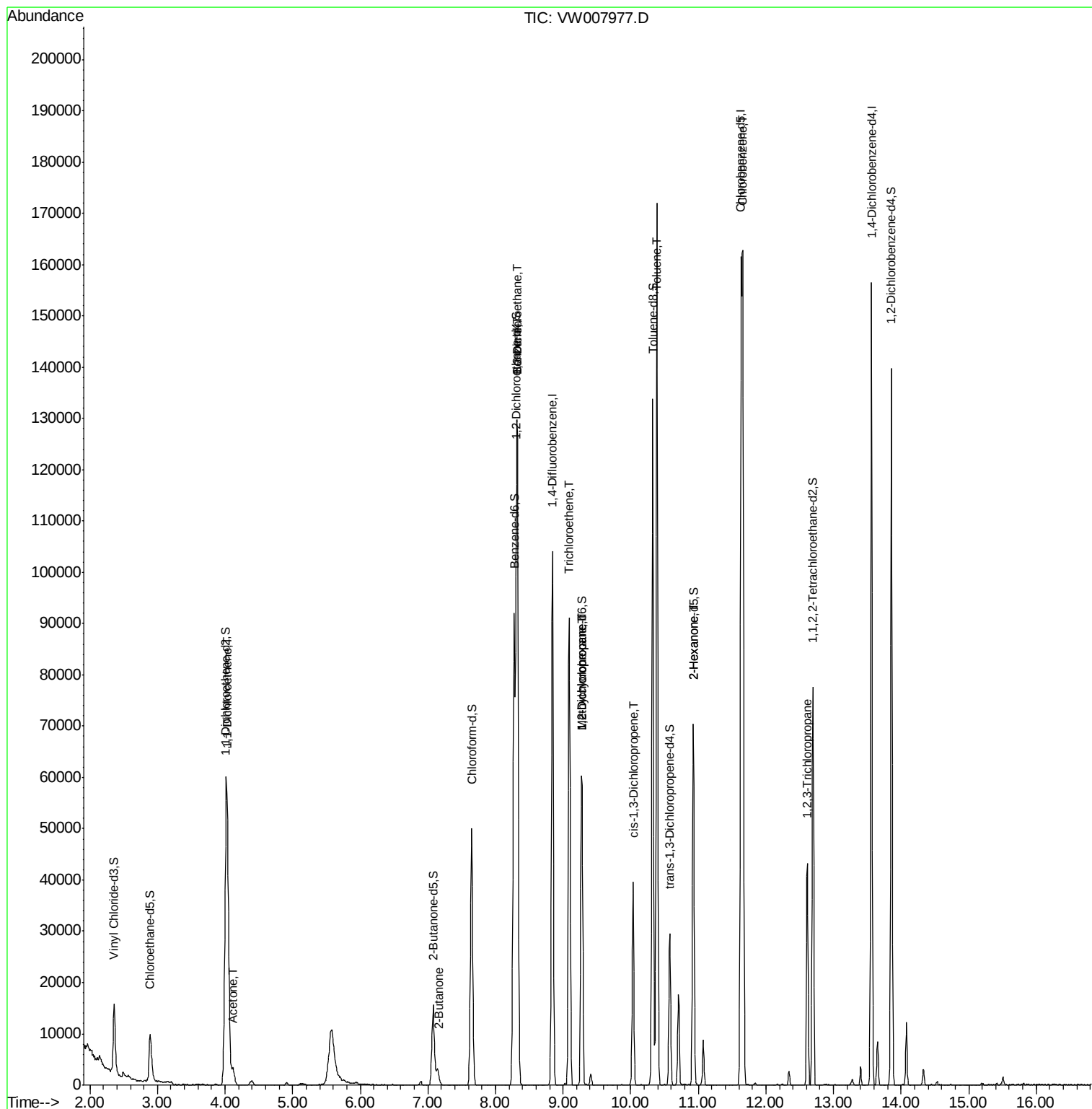
						Qvalue
12) 1,1-Dichloroethene	4.04	96	24849	24.338	ug/L	92
13) Acetone	4.12	43	4484	12.363	ug/L	98
21) 2-Butanone	7.16	43	302	0.732	ug/L #	46
27) 1,2-Dichloroethane	8.32	62	1144	0.752	ug/L #	80
34) Benzene	8.32	78	106748	24.458	ug/L	100
35) Trichloroethene	9.09	95	31263	24.654	ug/L	98
36) Methylcyclohexane	9.27	83	7332	3.372	ug/L #	21
40) 1,2-Dichloropropane	9.27	63	3384	3.298	ug/L #	86
42) cis-1,3-Dichloropropene	10.04	75	1156	0.645	ug/L	85
44) Toluene	10.39	91	122519	25.090	ug/L	98
49) 2-Hexanone	10.93	43	3074	5.247	ug/L #	63
52) Chlorobenzene	11.66	112	80589	25.352	ug/L	99
59) 1,2,3-Trichloropropane	12.62	75	446	0.515	ug/L #	43

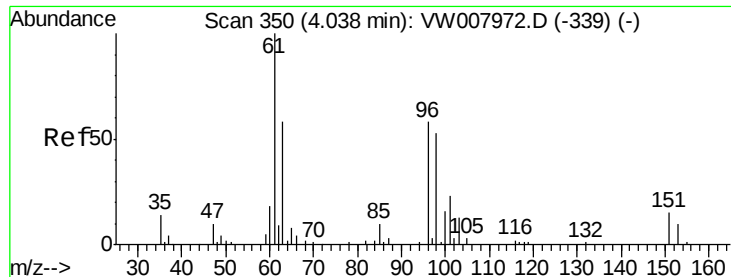
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 24.338 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW007977.D

Acq: 27 Dec 2018 18:45

Instrument :

MSVOA_W

ClientSampleId :

GAEN7MS

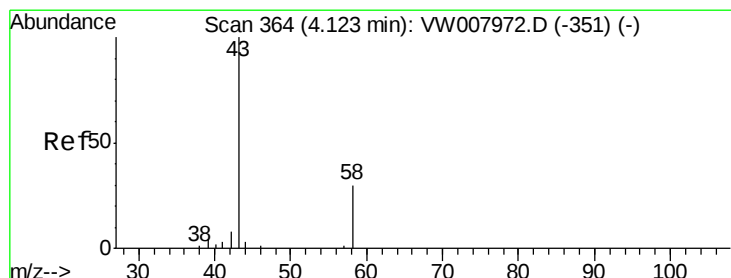
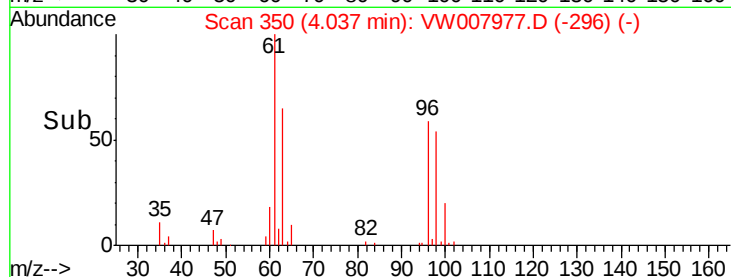
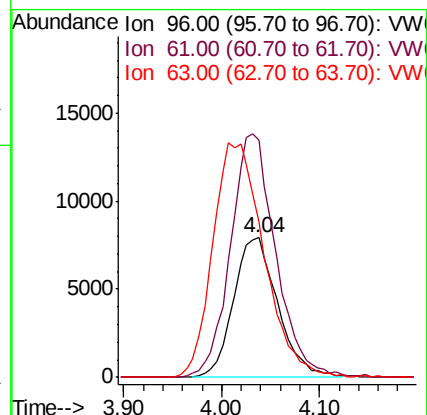
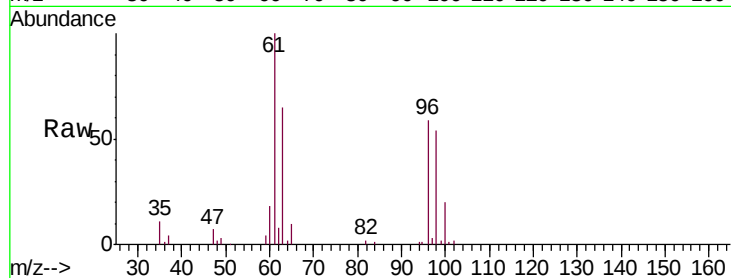
Tgt Ion: 96 Resp: 24849

Ion Ratio Lower Upper

96 100

61 170.4 120.3 223.3

63 111.5 91.6 170.0



#13

Acetone

Concen: 12.363 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW007977.D

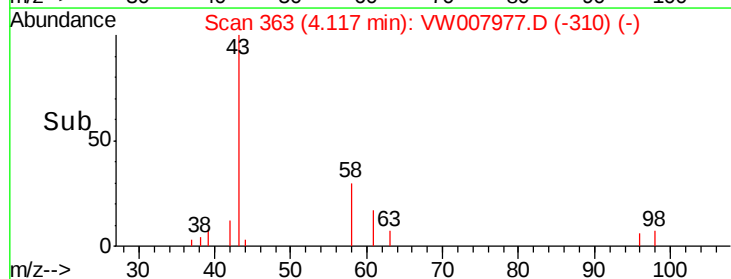
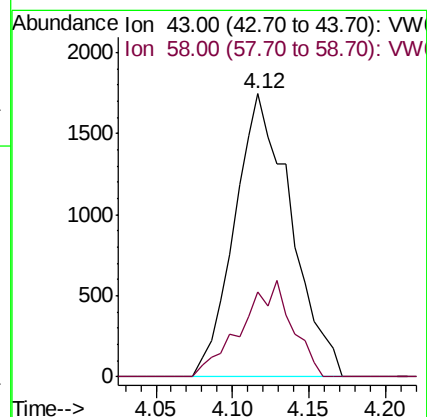
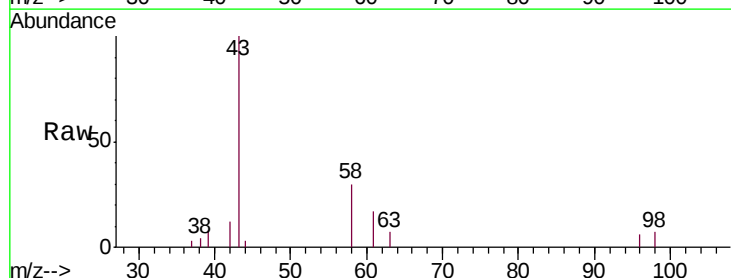
Acq: 27 Dec 2018 18:45

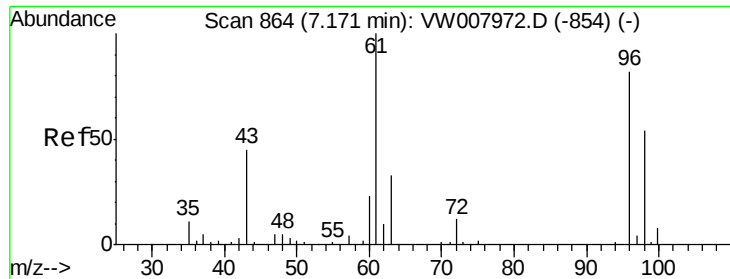
Tgt Ion: 43 Resp: 4484

Ion Ratio Lower Upper

43 100

58 30.5 0.0 58.6





#21

2-Butanone

Concen: 0.732 ug/L

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW007977.D

Acq: 27 Dec 2018 18:45

Instrument :

MSVOA_W

ClientSampleId :

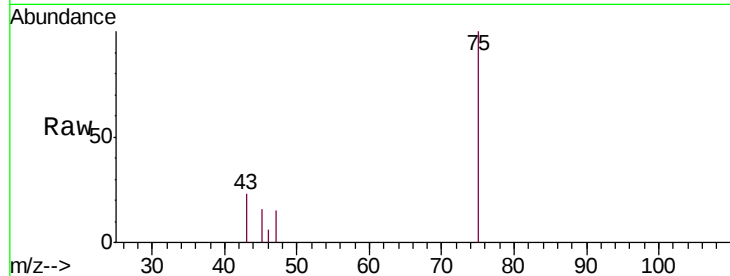
GAEN7MS

Tgt Ion: 43 Resp: 302

Ion Ratio Lower Upper

43 100

72 0.0 14.4 43.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.16

250

200

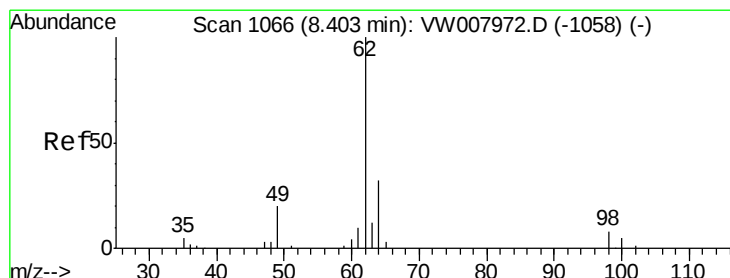
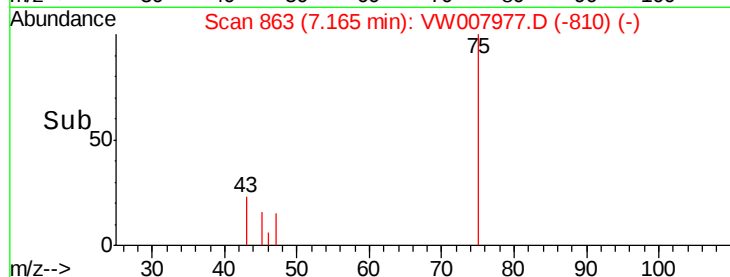
150

100

50

0

Time-->



#27

1,2-Dichloroethane

Concen: 0.752 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.08 min

Lab File: VW007977.D

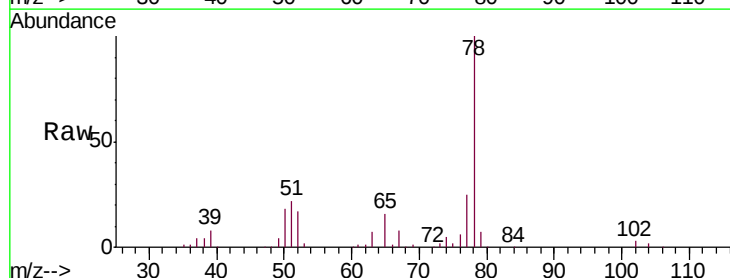
Acq: 27 Dec 2018 18:45

Tgt Ion: 62 Resp: 1144

Ion Ratio Lower Upper

62 100

98 0.0 5.4 8.2#



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

8.32

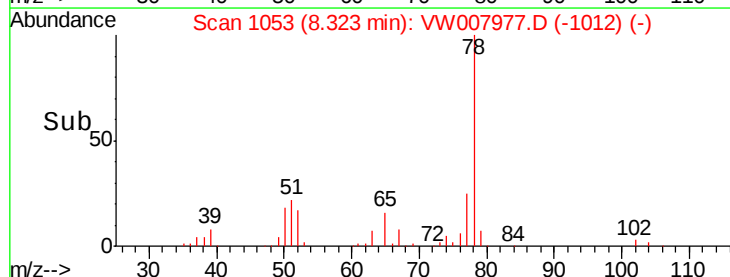
600

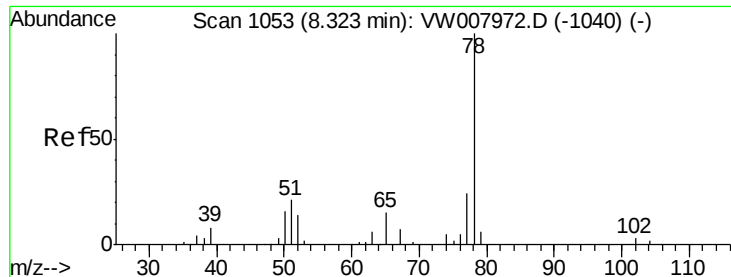
400

200

0

Time-->





#34

Benzene

Concen: 24.458 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW007977.D

Acq: 27 Dec 2018 18:45

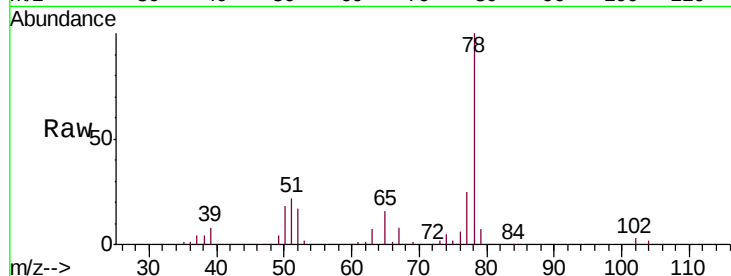
Instrument :

MSVOA_W

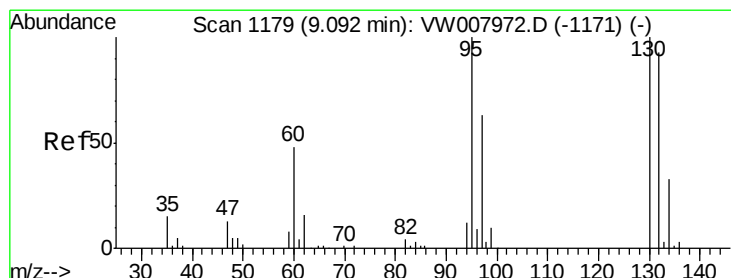
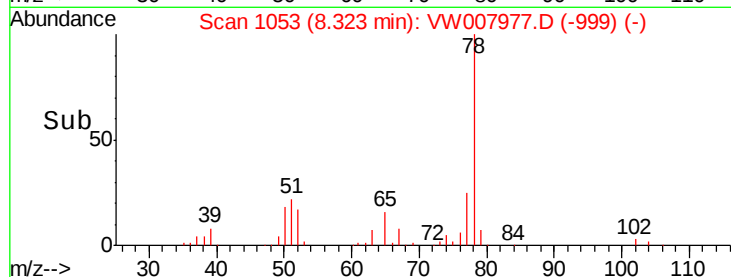
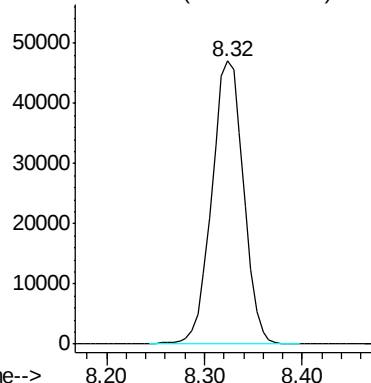
ClientSampleId :

GAEN7MS

Tgt Ion: 78 Resp: 106748



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 24.654 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007977.D

Acq: 27 Dec 2018 18:45

Tgt Ion: 95 Resp: 31263

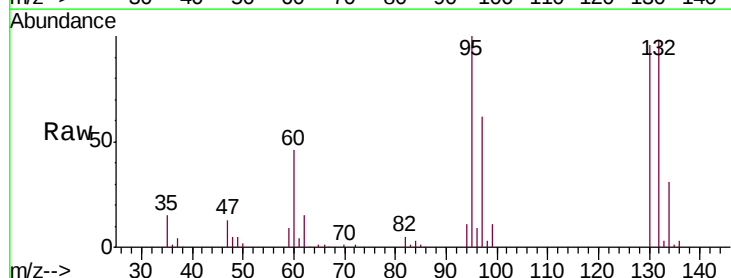
Ion	Ratio	Lower	Upper
95	100		
97	62.8	44.4	82.5
132	94.6	67.8	126.0
130	99.1	70.3	130.7

95 100

97 62.8 44.4 82.5

132 94.6 67.8 126.0

130 99.1 70.3 130.7

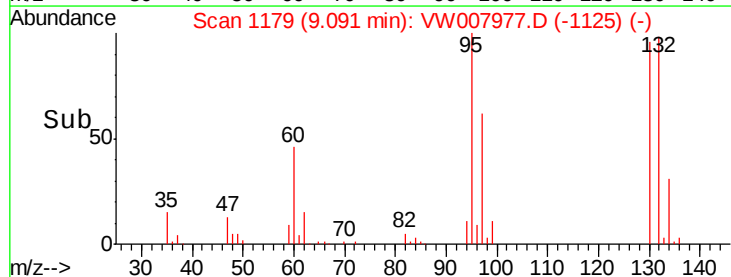
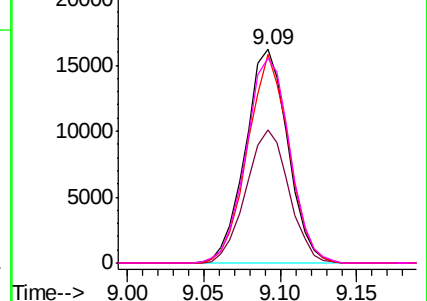


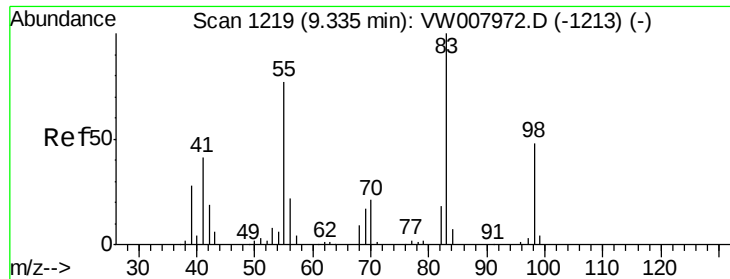
Abundance Ion 95.00 (94.70 to 95.70): VW

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

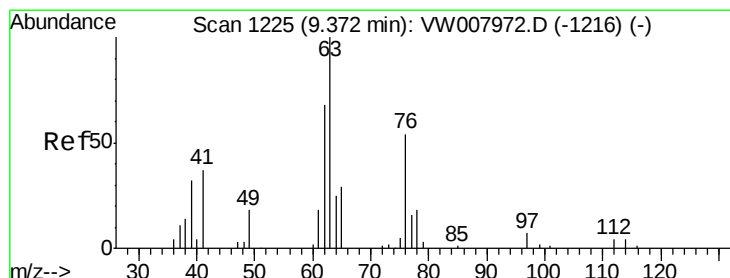
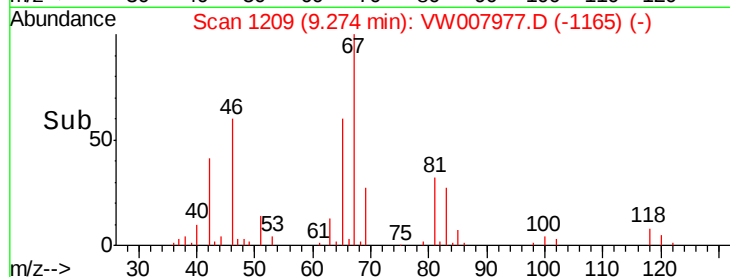
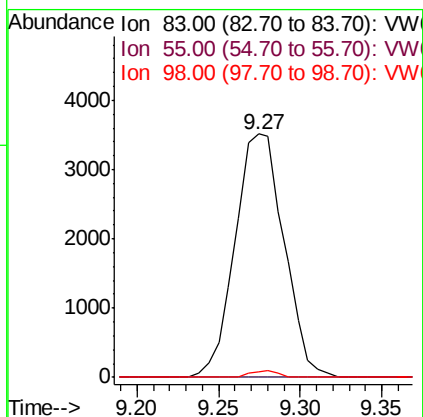
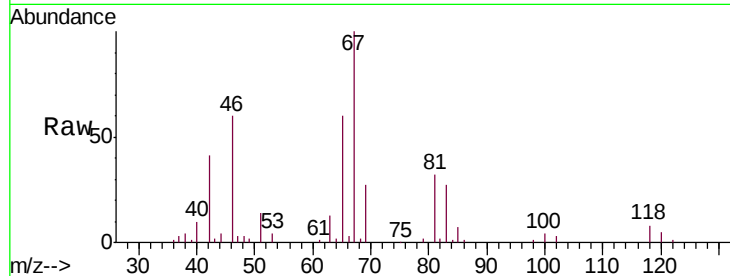




#36
Methylcyclohexane
Concen: 3.372 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.06 min
Lab File: VW007977.D
Acq: 27 Dec 2018 18:45

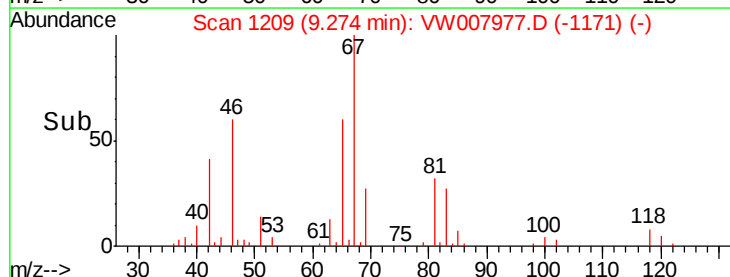
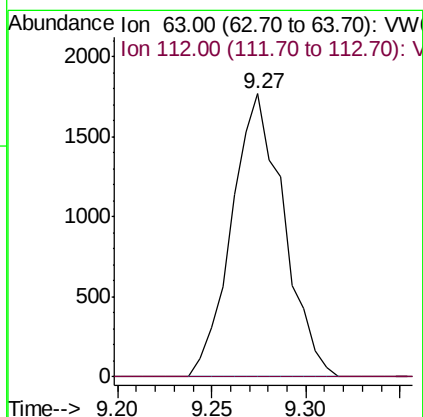
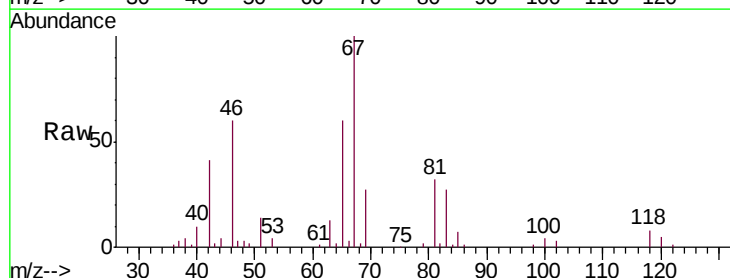
Instrument :
MSVOA_W
ClientSampleId :
GAEN7MS

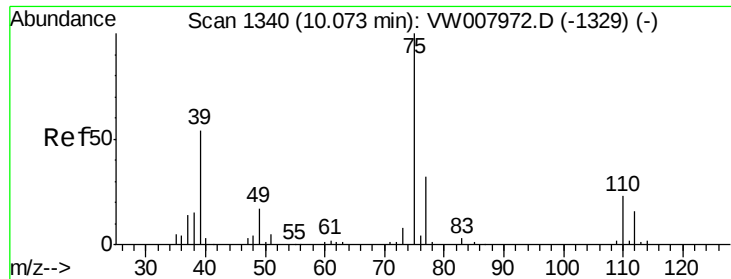
Tgt Ion: 83 Resp: 7332
Ion Ratio Lower Upper
83 100
55 0.9 59.4 89.0#
98 1.6 38.2 57.2#



#40
1,2-Dichloropropane
Concen: 3.298 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.10 min
Lab File: VW007977.D
Acq: 27 Dec 2018 18:45

Tgt Ion: 63 Resp: 3384
Ion Ratio Lower Upper
63 100
112 0.0 3.7 5.5#

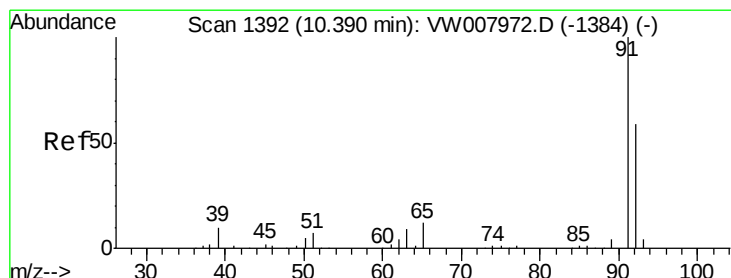
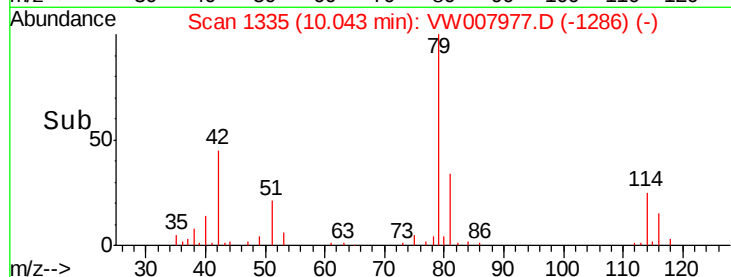
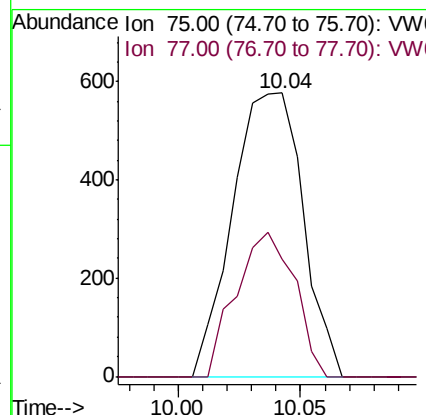
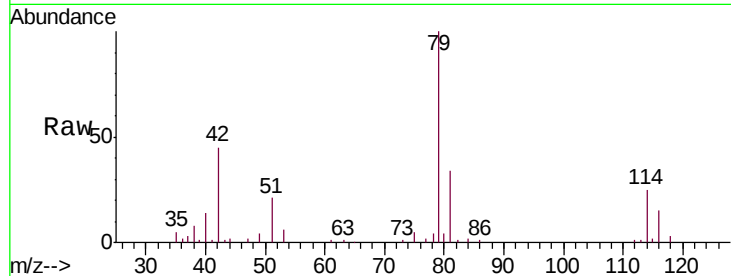




#42
 cis-1,3-Dichloropropene
 Concen: 0.645 ug/L
 RT: 10.04 min Scan# 1335
 Delta R.T. -0.03 min
 Lab File: VW007977.D
 Acq: 27 Dec 2018 18:45

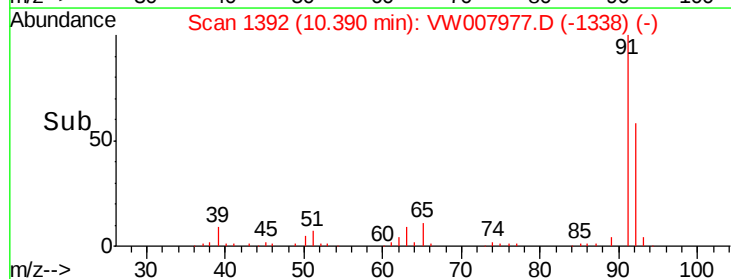
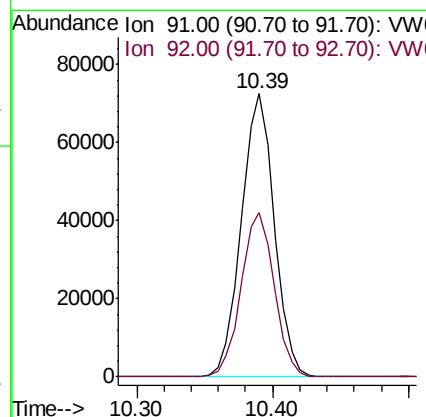
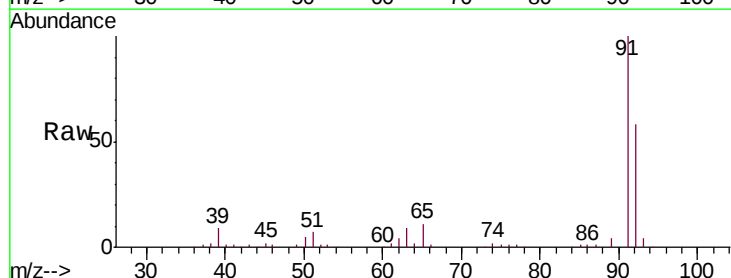
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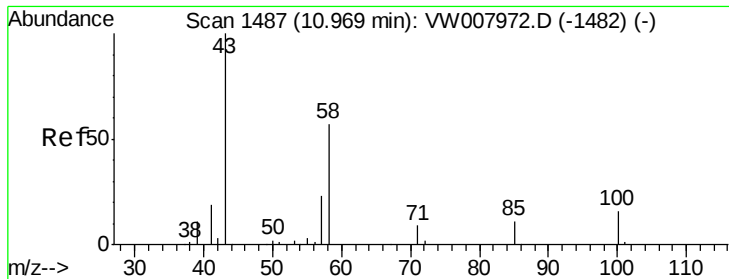
Tgt Ion: 75 Resp: 1156
 Ion Ratio Lower Upper
 75 100
 77 41.2 23.0 42.8



#44
 Toluene
 Concen: 25.090 ug/L
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW007977.D
 Acq: 27 Dec 2018 18:45

Tgt Ion: 91 Resp: 122519
 Ion Ratio Lower Upper
 91 100
 92 58.2 39.6 73.6

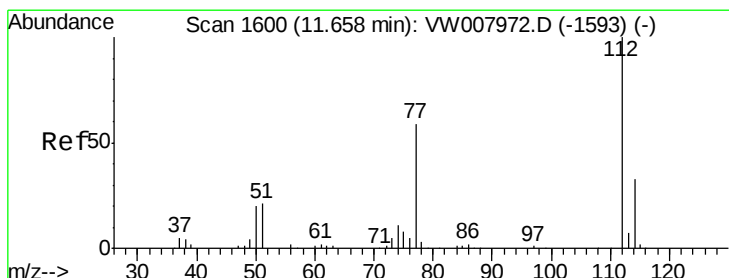
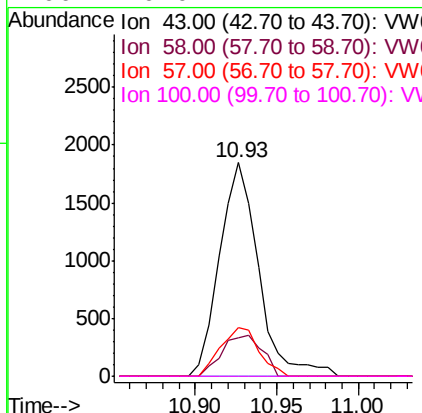
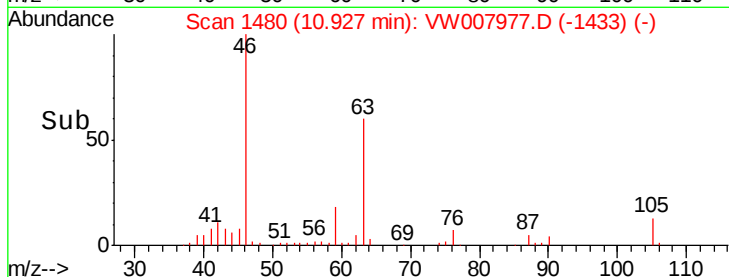
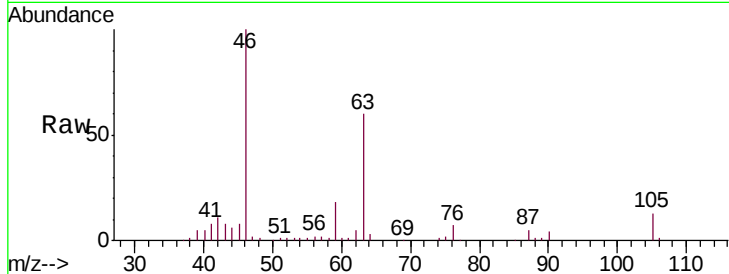




#49
2-Hexanone
Concen: 5.247 ug/L
RT: 10.93 min Scan# 1480
Delta R.T. -0.04 min
Lab File: VW007977.D
Acq: 27 Dec 2018 18:45

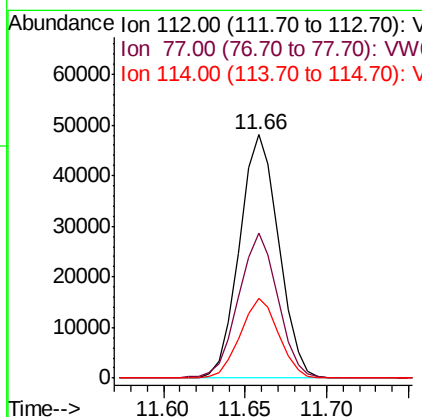
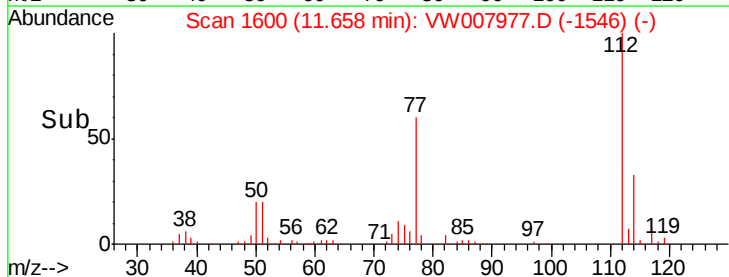
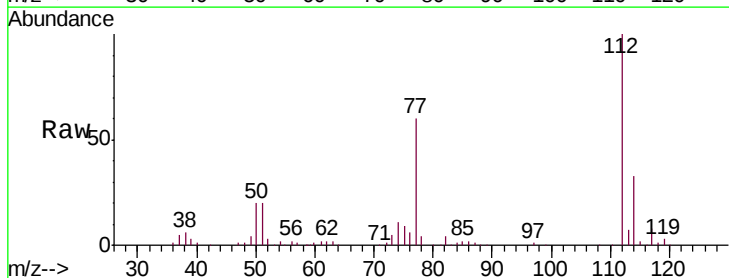
Instrument :
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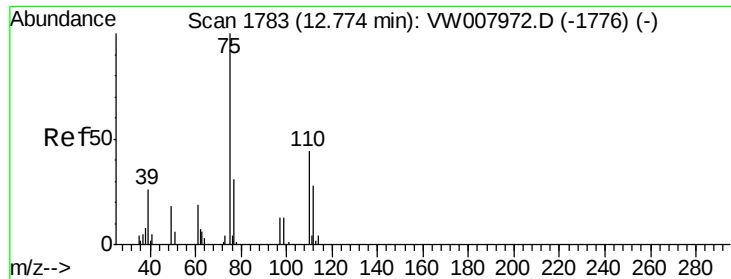
Tgt Ion: 43 Resp: 3074
Ion Ratio Lower Upper
43 100
58 19.8 46.2 69.4#
57 22.3 17.9 26.9
100 0.0 11.4 17.2#



#52
Chlorobenzene
Concen: 25.352 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007977.D
Acq: 27 Dec 2018 18:45

Tgt Ion: 112 Resp: 80589
Ion Ratio Lower Upper
112 100
77 59.8 47.8 71.6
114 32.5 22.2 41.2





#59

1,2,3-Trichloropropane

Concen: 0.515 ug/L

RT: 12.62 min Scan# 1757

Delta R.T. -0.16 min

Lab File: VW007977.D

Acq: 27 Dec 2018 18:45

Instrument :

MSVOA_W

ClientSampleId :

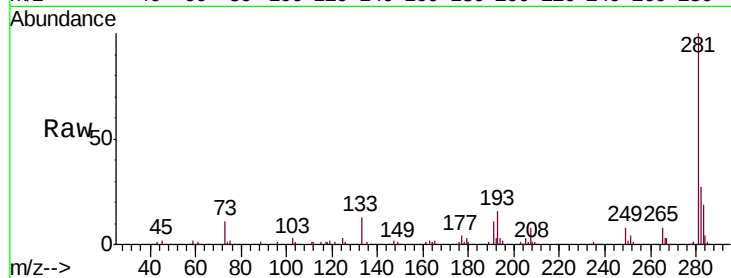
GAEN7MS

Tgt Ion: 75 Resp: 446

Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

12.62

300

200

100

0

Time-->

12.60

