

Data File : VW007988.D
Acq On : 27 Dec 2018 23:30
Operator : SY/AP
Sample : J6540-13
Misc : 6.09G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAEP4

Quant Time: Dec 28 06:01:49 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	71334	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	67329	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	33050	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	13936	19.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.28%
7) Chloroethane-d5	2.89	69	9945	21.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.00%
10) 1,1-Dichloroethene-d2	4.01	63	28815	15.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.56%
20) 2-Butanone-d5	7.08	46	13687	45.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.30%
24) Chloroform-d	7.65	84	40882	21.54	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.16%
26) 1,2-Dichloroethane-d4	8.31	65	27214	23.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.68%
29) Benzene-d6	8.27	84	75368	19.96	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	79.84%
33) 1,2-Dichloropropane-d6	9.27	67	22075	21.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.96%
37) Toluene-d8	10.32	98	72522	19.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	78.84%
38) trans-1,3-Dichloropropene-	10.58	79	12402	21.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.12%
39) 2-Hexanone-d5	10.93	63	12101	46.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.12%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	23556	23.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.32%
61) 1,2-Dichlorobenzene-d4	13.86	152	28599	21.42	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.68%

Target Compounds

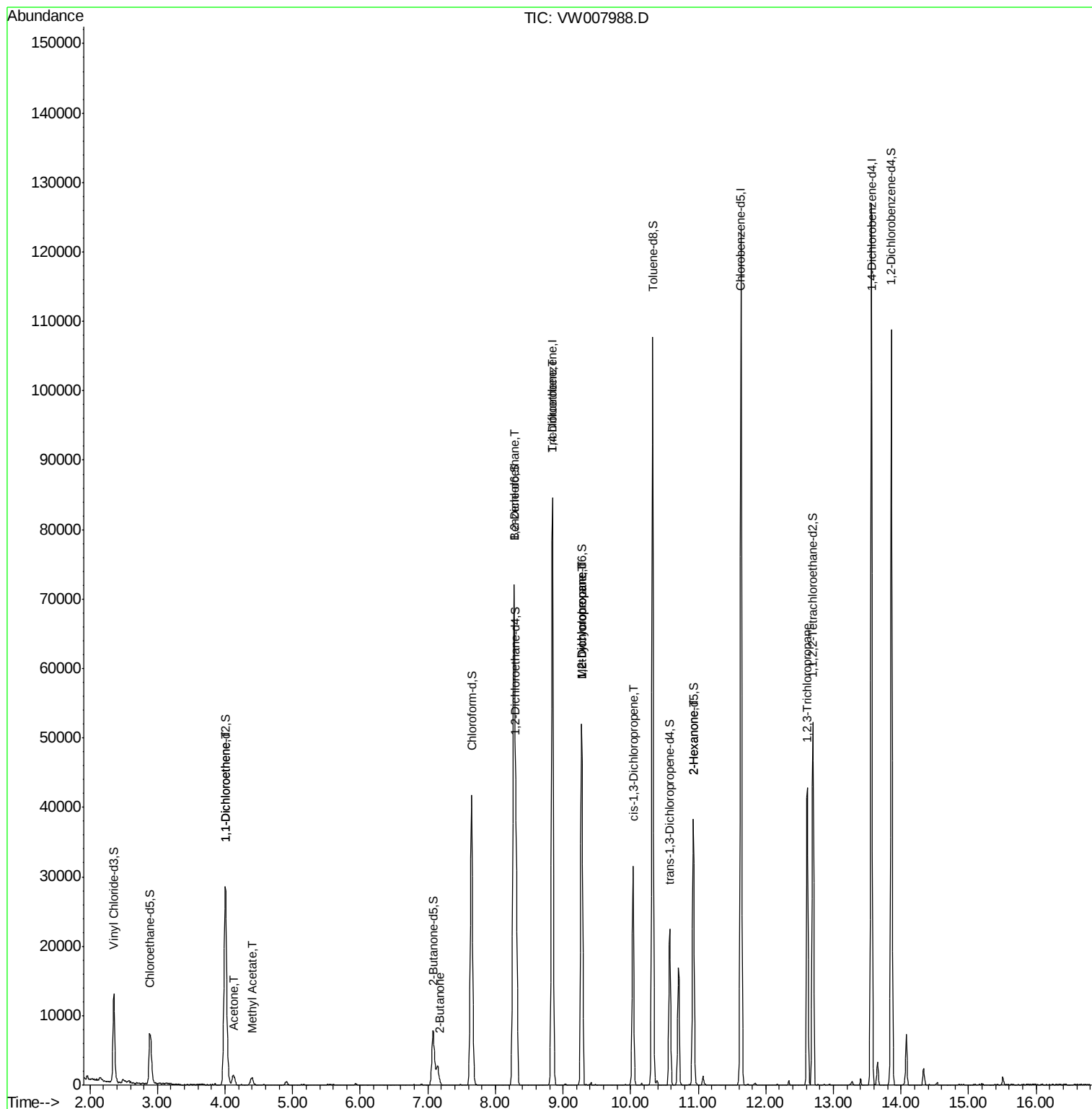
					Qvalue	
12) 1,1-Dichloroethene	4.00	96	253	0.307	ug/L #	1
13) Acetone	4.12	43	2682	9.156	ug/L	69
15) Methyl Acetate	4.39	43	467	1.048	ug/L #	50
21) 2-Butanone	7.18	43	174	0.522	ug/L #	46
27) 1,2-Dichloroethane	8.27	62	565	0.460	ug/L #	80
35) Trichloroethene	8.85	95	2341	2.236	ug/L #	5
36) Methylcyclohexane	9.27	83	6014	3.350	ug/L #	19
40) 1,2-Dichloropropane	9.27	63	2874	3.393	ug/L #	86
42) cis-1,3-Dichloropropene	10.03	75	862	0.583	ug/L #	66
49) 2-Hexanone	10.93	43	1633	3.377	ug/L #	66
59) 1,2,3-Trichloropropane	12.61	75	385	0.539	ug/L #	43

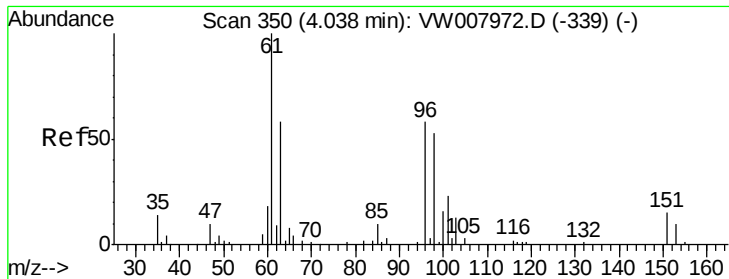
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.307 ug/L

RT: 4.00 min Scan# 343

Delta R.T. -0.04 min

Lab File: VW007988.D

Acq: 27 Dec 2018 23:30

Instrument :

MSVOA_W

ClientSampleId :

GAEP4

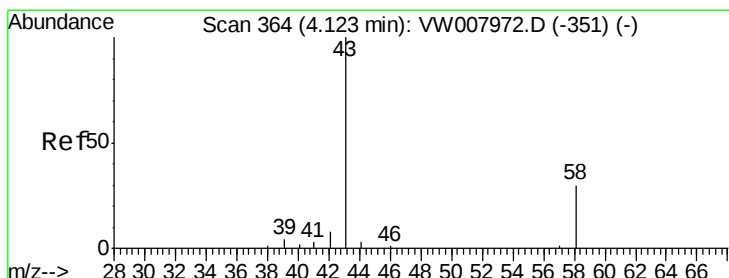
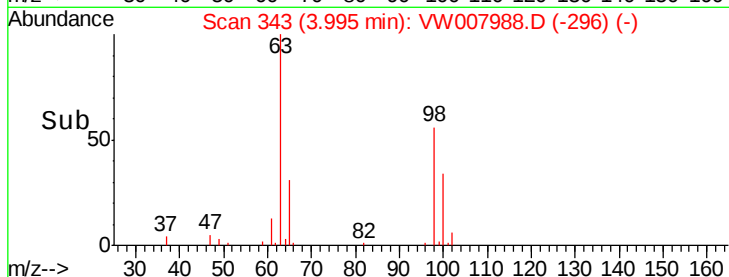
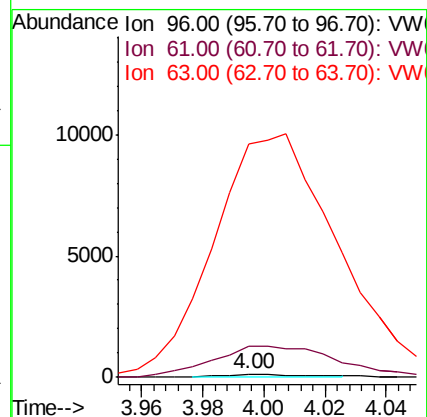
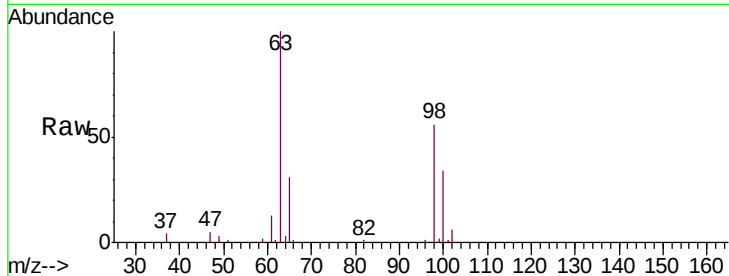
Tgt Ion: 96 Resp: 253

Ion Ratio Lower Upper

96 100

61 960.6 120.3 223.3#

63 7293.9 91.6 170.0#



#13

Acetone

Concen: 9.156 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW007988.D

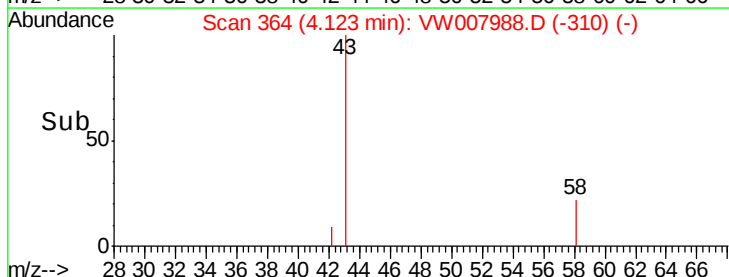
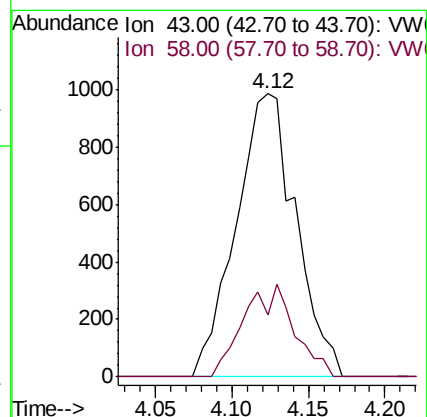
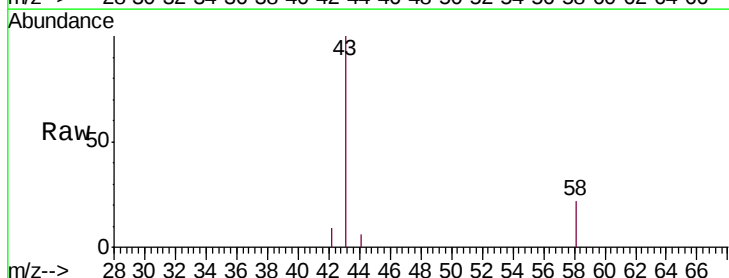
Acq: 27 Dec 2018 23:30

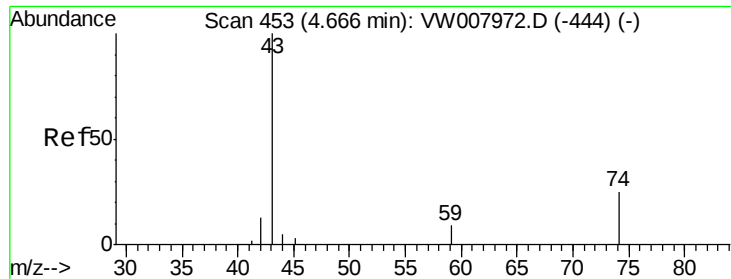
Tgt Ion: 43 Resp: 2682

Ion Ratio Lower Upper

43 100

58 12.9 0.0 58.6





#15

Methyl Acetate

Concen: 1.048 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.27 min

Lab File: VW007988.D

Acq: 27 Dec 2018 23:30

Instrument :

MSVOA_W

ClientSampled :

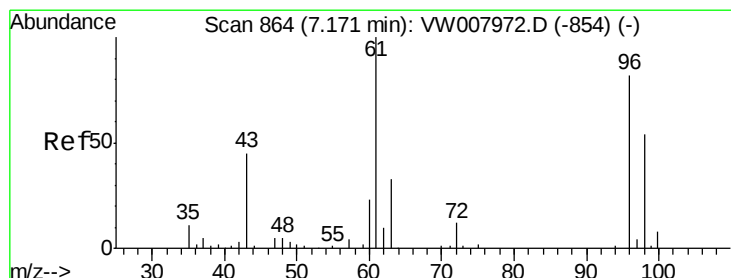
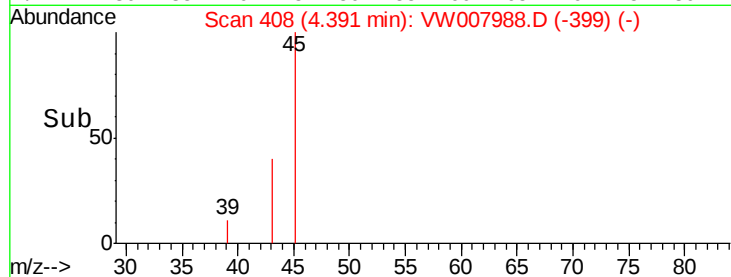
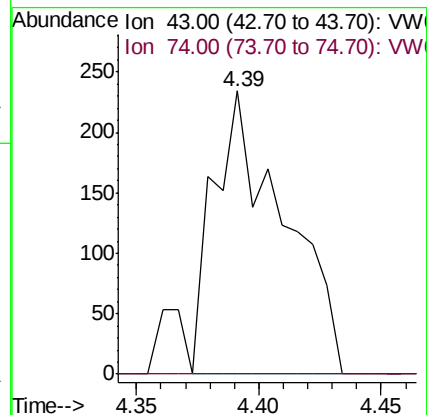
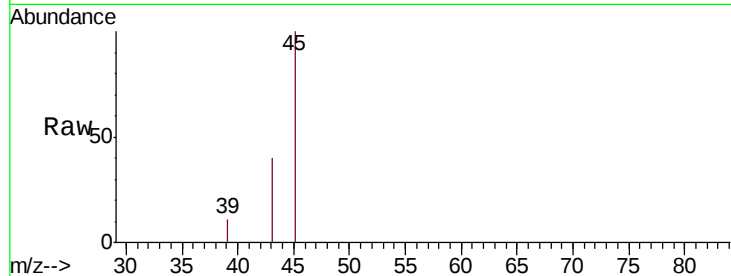
GAEP4

Tgt Ion: 43 Resp: 467

Ion Ratio Lower Upper

43 100

74 0.0 20.2 30.2#



#21

2-Butanone

Concen: 0.522 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW007988.D

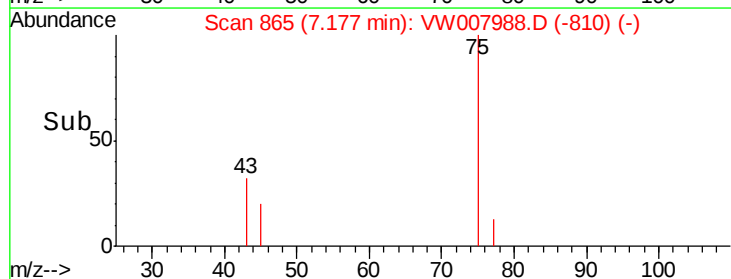
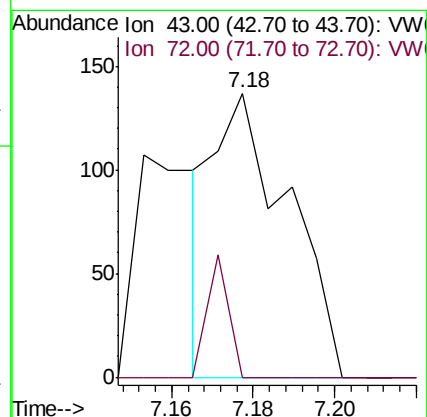
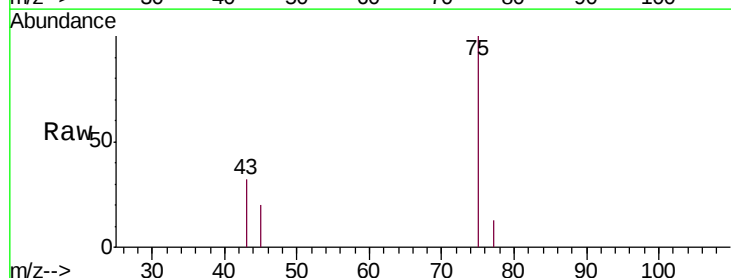
Acq: 27 Dec 2018 23:30

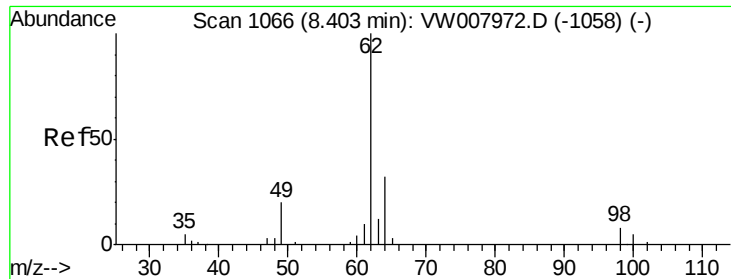
Tgt Ion: 43 Resp: 174

Ion Ratio Lower Upper

43 100

72 0.0 14.4 43.4#

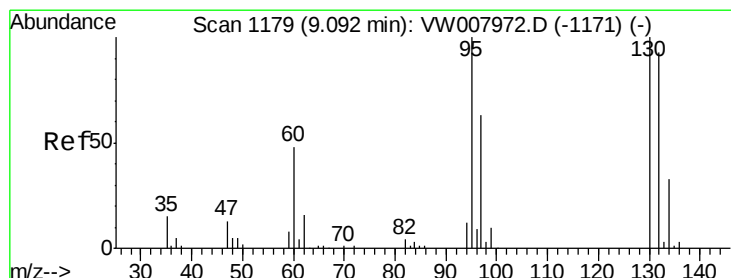
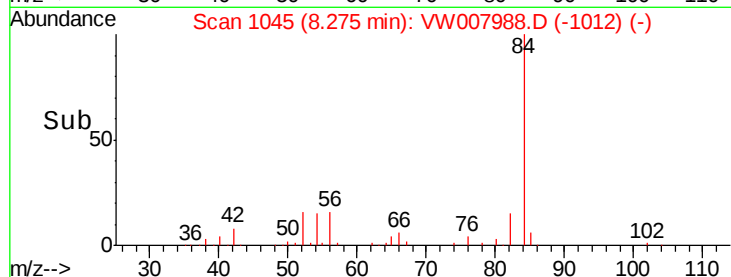
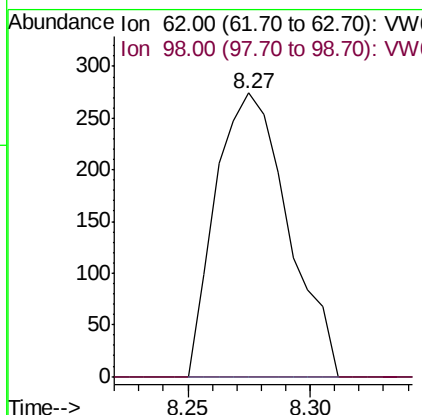
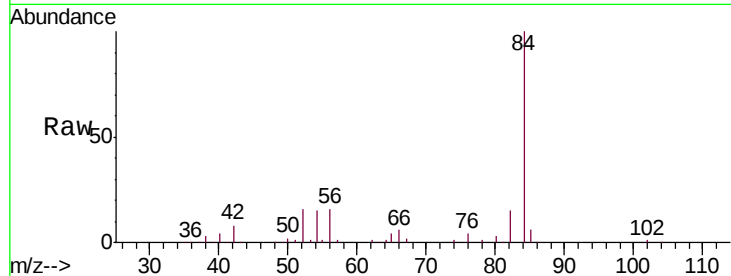




#27
 1,2-Dichloroethane
 Concen: 0.460 ug/L
 RT: 8.27 min Scan# 1045
 Delta R.T. -0.13 min
 Lab File: VW007988.D
 Acq: 27 Dec 2018 23:30

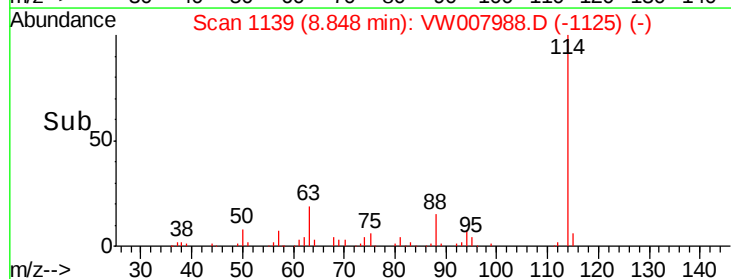
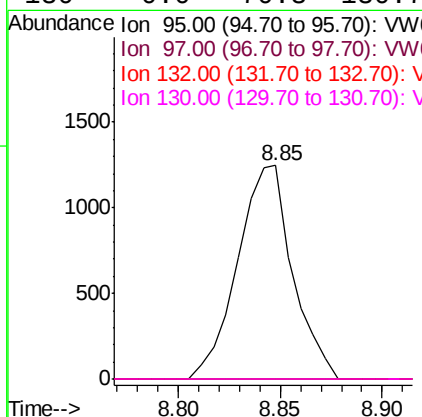
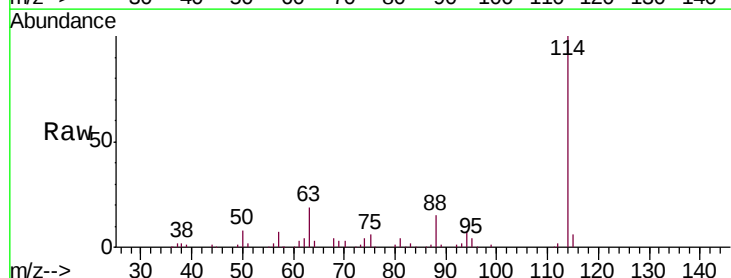
Instrument :
 MSVOA_W
 ClientSampleId :
 GAEP4

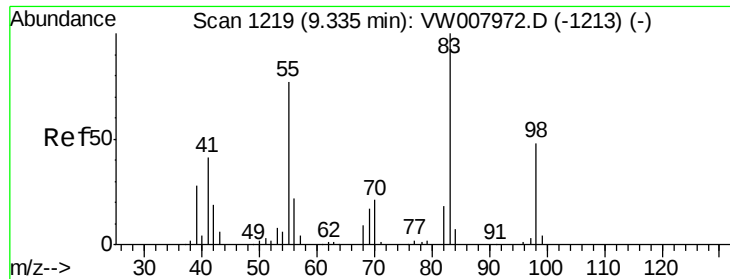
Tgt Ion: 62 Resp: 565
 Ion Ratio Lower Upper
 62 100
 98 0.0 5.4 8.2#



#35
 Trichloroethene
 Concen: 2.236 ug/L
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.24 min
 Lab File: VW007988.D
 Acq: 27 Dec 2018 23:30

Tgt Ion: 95 Resp: 2341
 Ion Ratio Lower Upper
 95 100
 97 0.0 44.4 82.5#
 132 0.0 67.8 126.0#
 130 0.0 70.3 130.7#

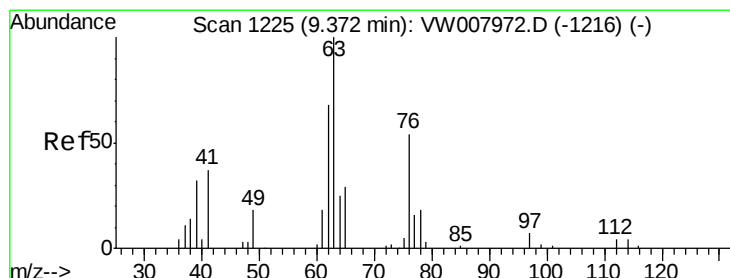
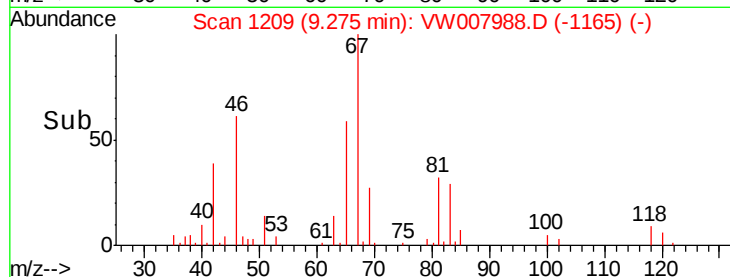
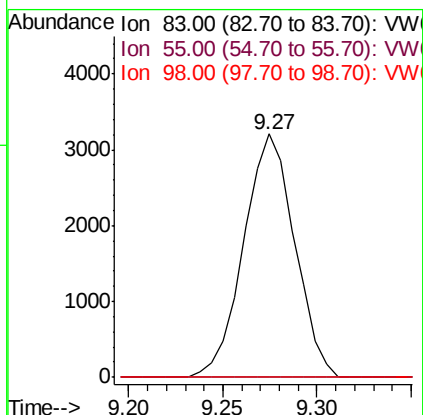
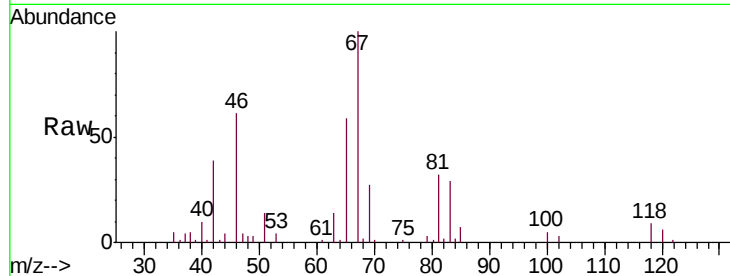




#36
Methylcyclohexane
Concen: 3.350 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.06 min
Lab File: VW007988.D
Acq: 27 Dec 2018 23:30

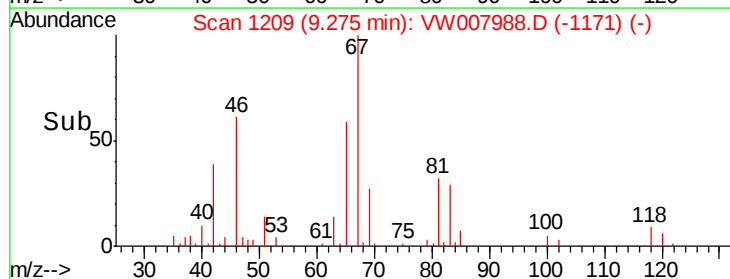
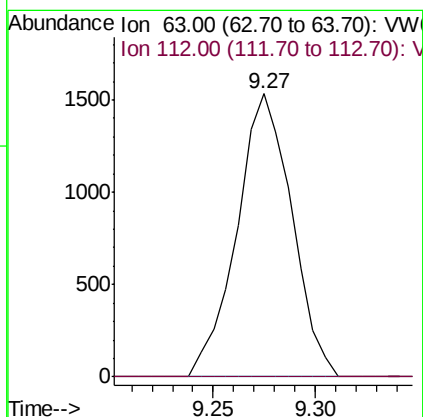
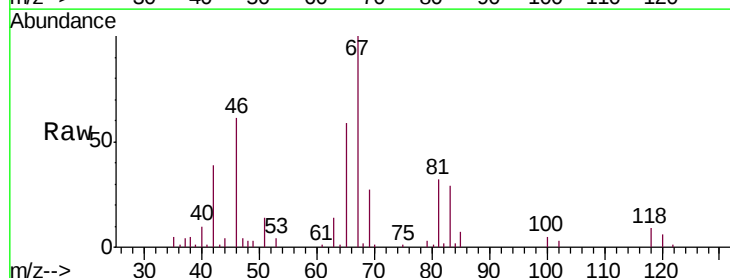
Instrument :
MSVOA_W
ClientSampleId :
GAEP4

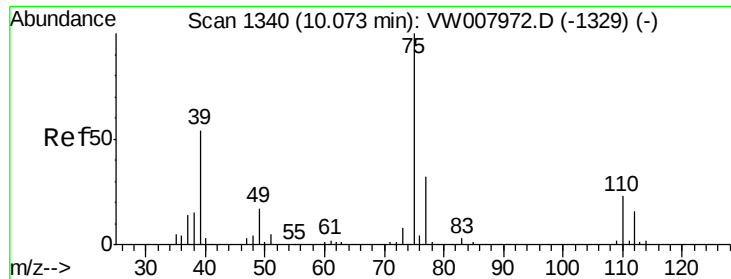
Tgt Ion: 83 Resp: 6014
Ion Ratio Lower Upper
83 100
55 0.0 59.4 89.0#
98 0.0 38.2 57.2#



#40
1,2-Dichloropropane
Concen: 3.393 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.10 min
Lab File: VW007988.D
Acq: 27 Dec 2018 23:30

Tgt Ion: 63 Resp: 2874
Ion Ratio Lower Upper
63 100
112 0.0 3.7 5.5#





#42

cis-1,3-Dichloropropene

Concen: 0.583 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW007988.D

Acq: 27 Dec 2018 23:30

Instrument :

MSVOA_W

ClientSampled :

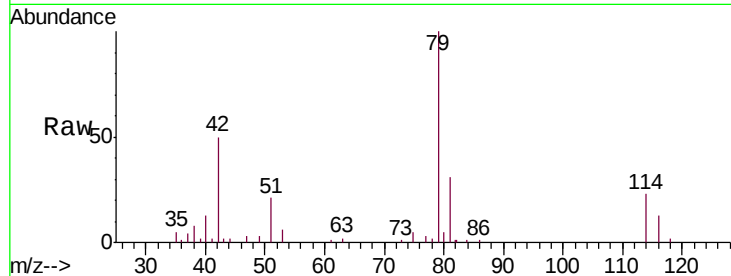
GAEP4

Tgt Ion: 75 Resp: 862

Ion Ratio Lower Upper

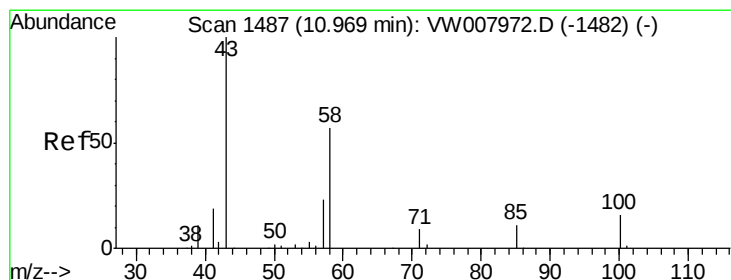
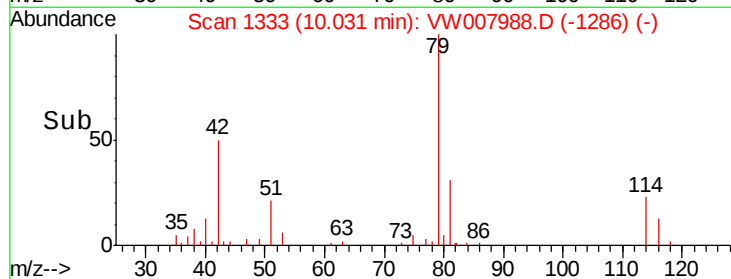
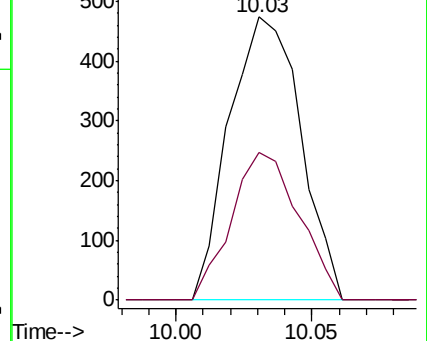
75 100

77 52.2 23.0 42.8#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#49

2-Hexanone

Concen: 3.377 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW007988.D

Acq: 27 Dec 2018 23:30

Tgt Ion: 43 Resp: 1633

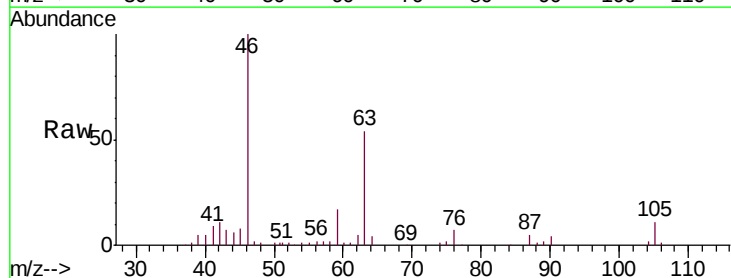
Ion Ratio Lower Upper

43 100

58 24.8 46.2 69.4#

57 26.2 17.9 26.9

100 0.0 11.4 17.2#

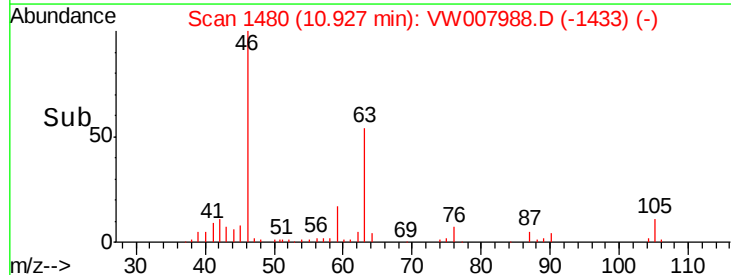
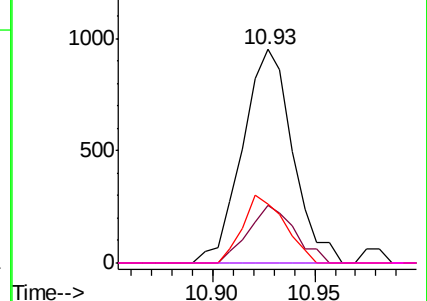


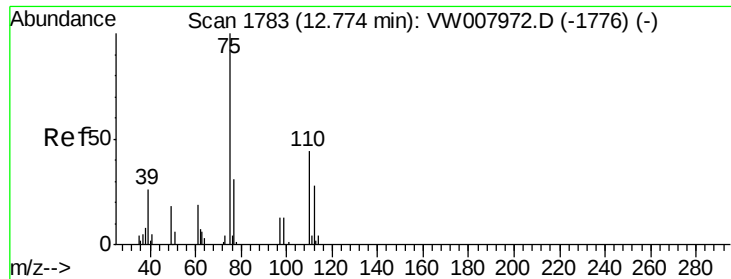
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW





#59

1,2,3-Trichloropropane

Concen: 0.539 ug/L

RT: 12.61 min Scan# 1756

Delta R.T. -0.16 min

Lab File: VW007988.D

Acq: 27 Dec 2018 23:30

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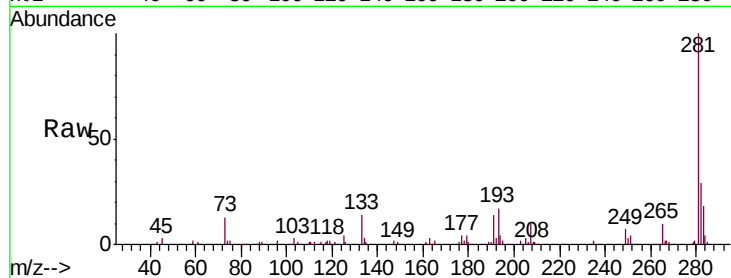
GAEP4

Tgt Ion: 75 Resp: 385

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

12.61

300

250

200

150

100

50

0

12.58 12.60 12.62 12.64

Time-->

