

Data File : VW013819.D
Acq On : 30 Oct 2019 03:24
Operator : SY/VA
Sample : K5549-15
Misc : 4.18G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAQ68

Quant Time: Oct 30 08:20:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 30 08:16:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	264291	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	244325	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	115658	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	95551	29.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	117.88%
7) Chloroethane-d5	2.89	69	78073	25.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.16%
10) 1,1-Dichloroethene-d2	4.02	63	142734	19.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.72%
20) 2-Butanone-d5	7.07	46	92843	80.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	160.10%#
24) Chloroform-d	7.65	84	210433	28.46	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	113.84%
26) 1,2-Dichloroethane-d4	8.31	65	124289	32.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	128.56%
29) Benzene-d6	8.27	84	426512	29.06	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	116.24%
33) 1,2-Dichloropropane-d6	9.27	67	138033	31.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	125.96%#
37) Toluene-d8	10.32	98	383453	28.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	113.28%
38) trans-1,3-Dichloropropene-	10.58	79	58523	29.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	118.36%
39) 2-Hexanone-d5	10.92	63	76730	91.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	183.10%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	136047	37.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	151.56%#
61) 1,2-Dichlorobenzene-d4	13.85	152	122947	30.08	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	120.32%#

Target Compounds

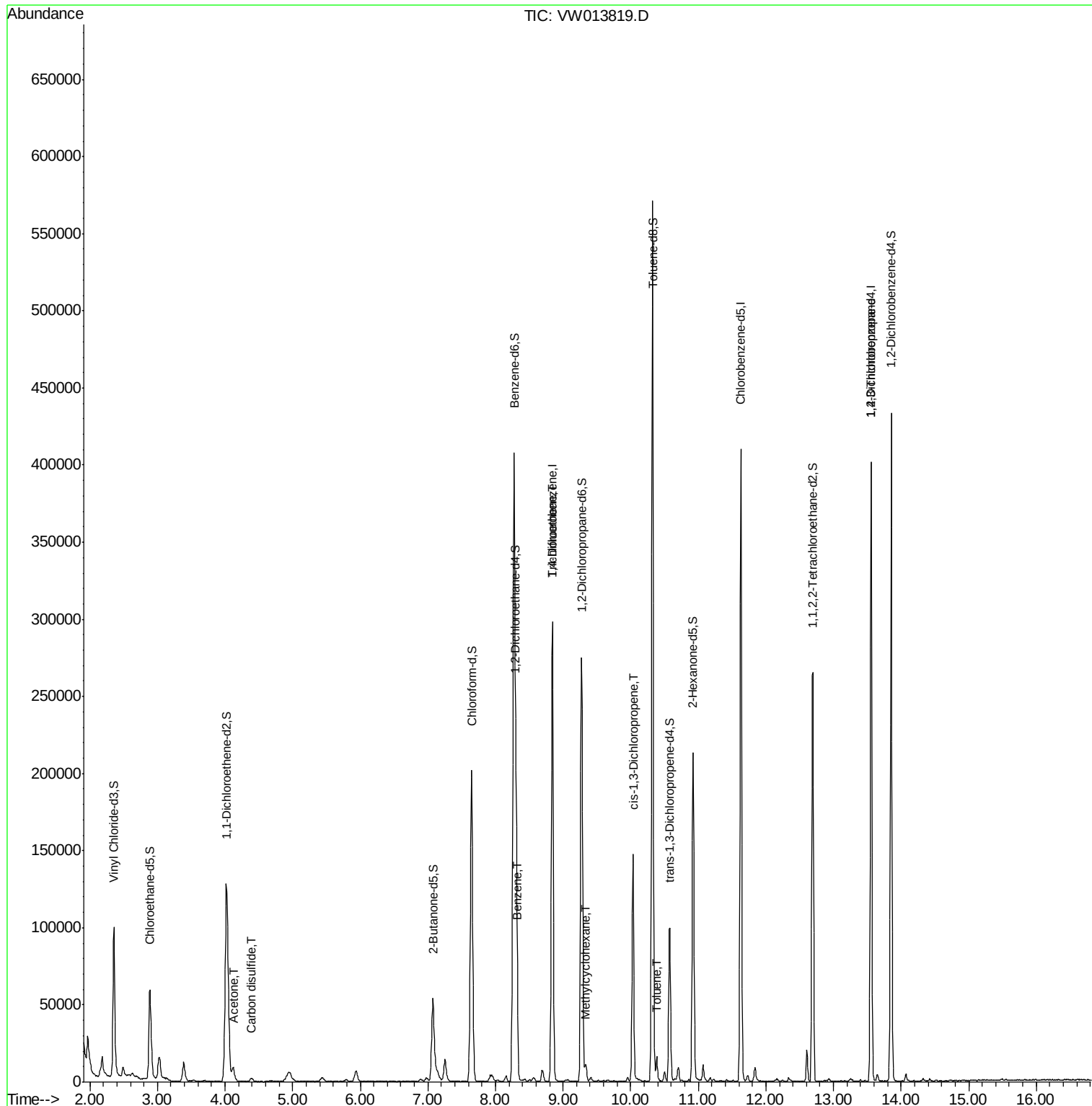
					Qvalue
13) Acetone	4.13	43	14580	11.327 ug/L	67
14) Carbon disulfide	4.38	76	3527	0.293 ug/L	100
34) Benzene	8.33	78	6540	0.373 ug/L	100
35) Trichloroethene	8.84	95	7249	1.612 ug/L #	2
36) Methylcyclohexane	9.34	83	3768	0.475 ug/L #	68
42) cis-1,3-Dichloropropene	10.04	75	3343	0.494 ug/L #	58
44) Toluene	10.39	91	10655	0.566 ug/L	90
59) 1,2,3-Trichloropropane	13.55	75	12045	4.169 ug/L	93

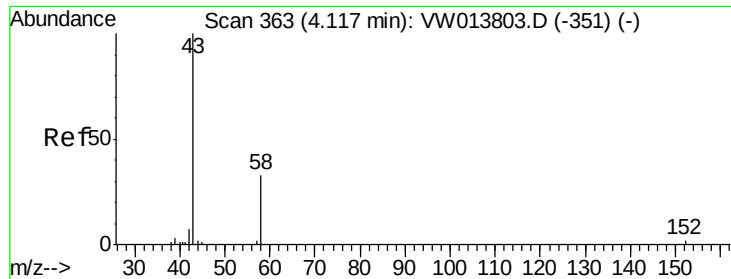
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Oct 30 08:16:17 2019
Response via : Initial Calibration





#13

Acetone

Concen: 11.327 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

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Acq: 30 Oct 2019 03:24

Instrument :

MSVOA_W

ClientSampleId :

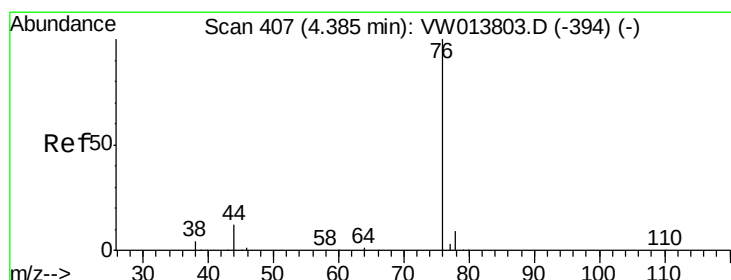
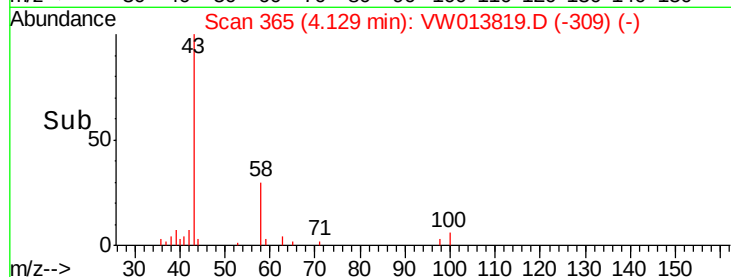
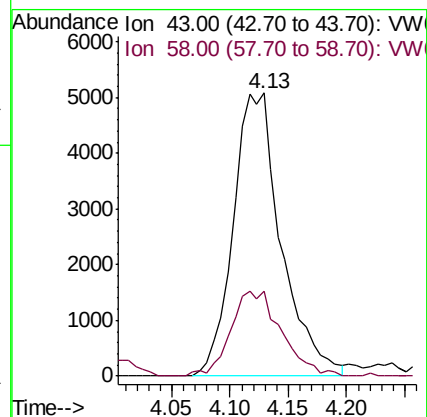
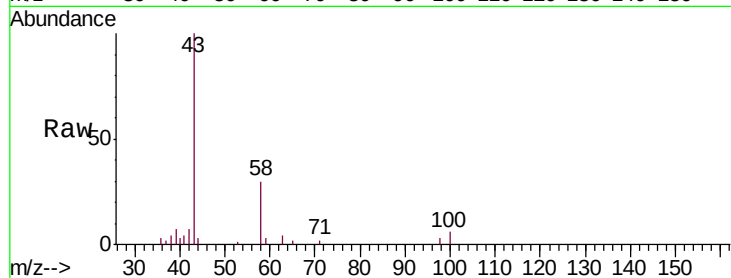
GAQ68

Tgt Ion: 43 Resp: 14580

Ion Ratio Lower Upper

43 100

58 15.7 0.0 70.4



#14

Carbon disulfide

Concen: 0.293 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW013819.D

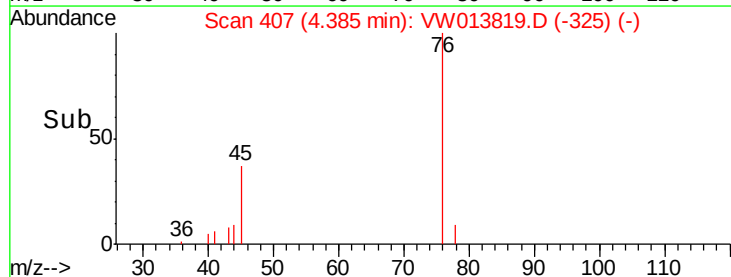
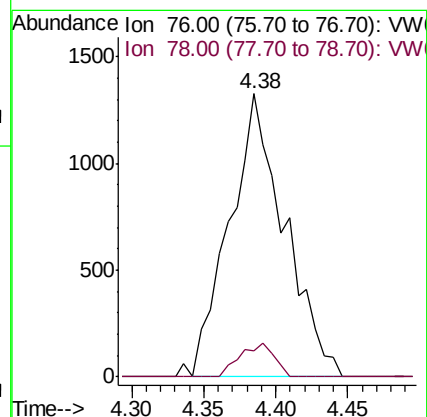
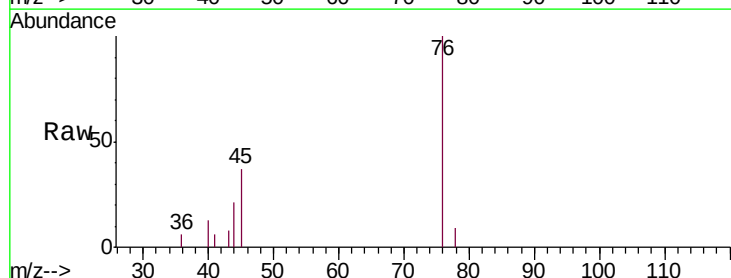
Acq: 30 Oct 2019 03:24

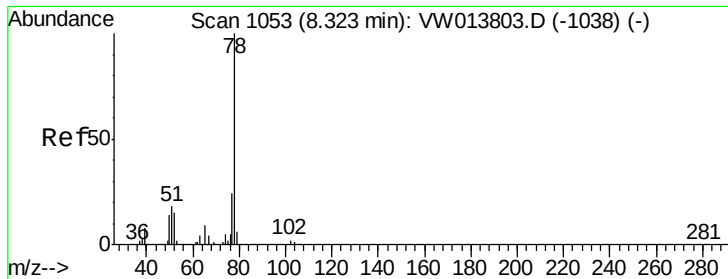
Tgt Ion: 76 Resp: 3527

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7





#34

Benzene

Concen: 0.373 ug/L

RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW013819.D

Acq: 30 Oct 2019 03:24

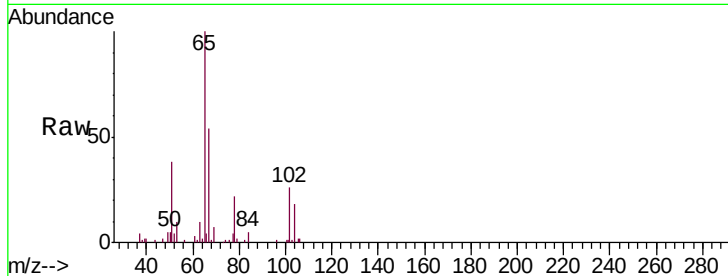
Instrument :

MSVOA_W

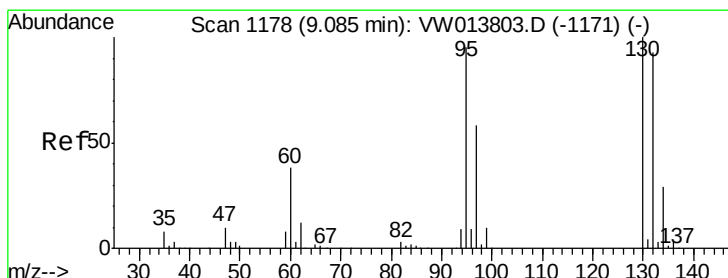
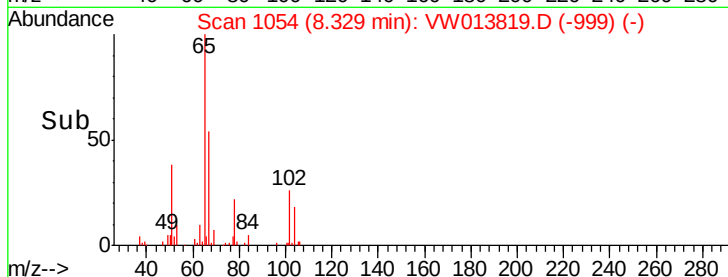
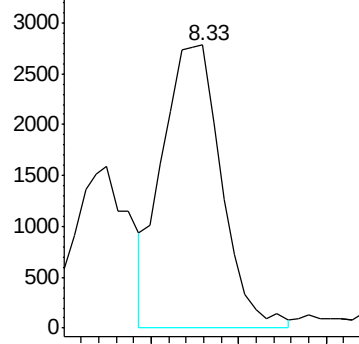
ClientSampleId :

GAQ68

Tgt Ion: 78 Resp: 6540



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 1.612 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.24 min

Lab File: VW013819.D

Acq: 30 Oct 2019 03:24

Tgt Ion: 95 Resp: 7249

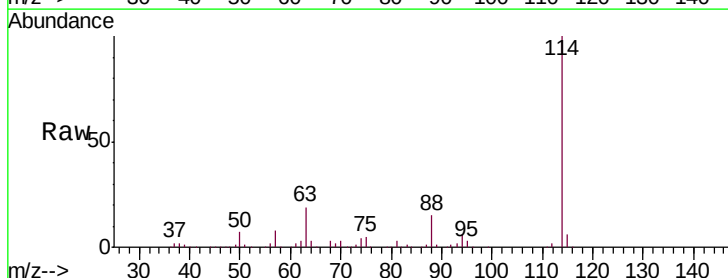
Ion Ratio Lower Upper

95 100

97 0.0 45.8 85.2#

132 0.0 74.3 138.1#

130 0.0 76.6 142.3#

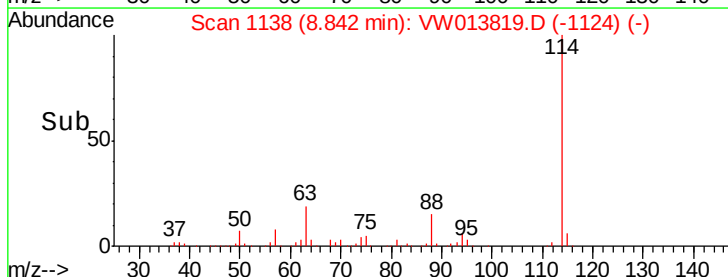


Abundance Ion 95.00 (94.70 to 95.70): VW

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



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

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

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

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

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

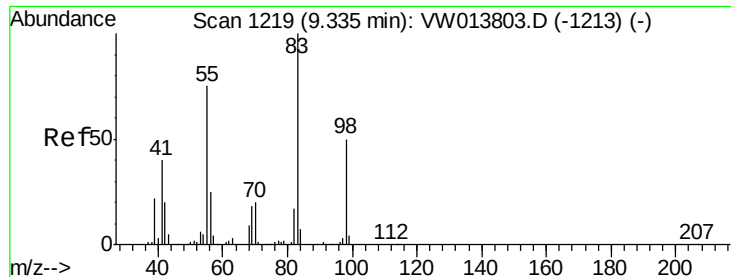
Ion 130.00 (129.70 to 130.70): V

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

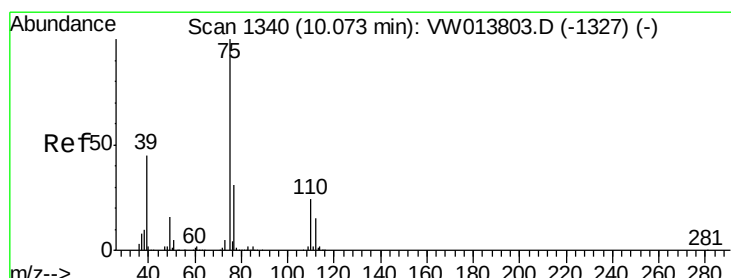
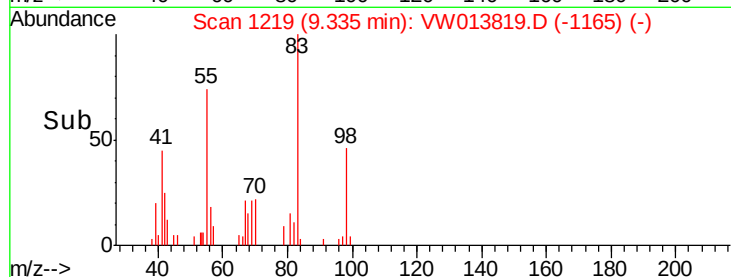
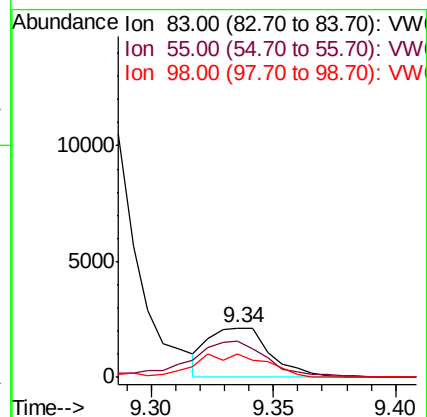
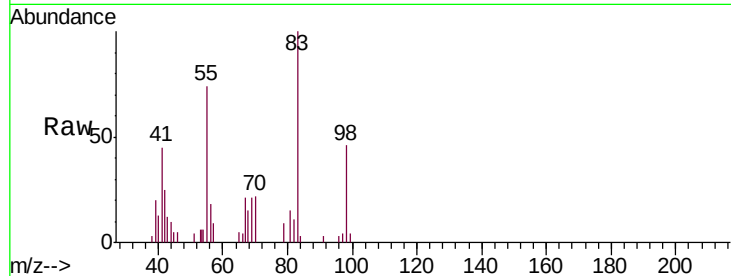
Ion 130.00 (129.70 to 130.70): V



#36
Methylcyclohexane
Concen: 0.475 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013819.D
Acq: 30 Oct 2019 03:24

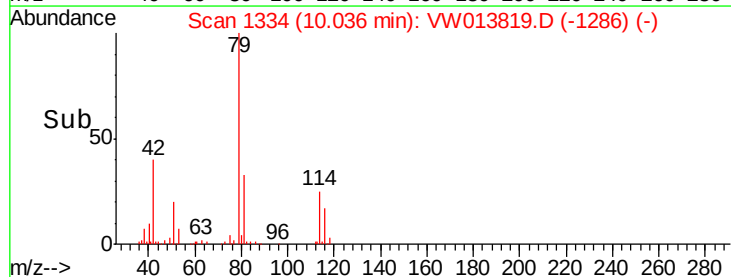
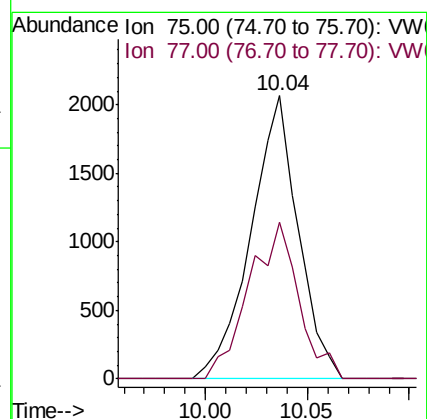
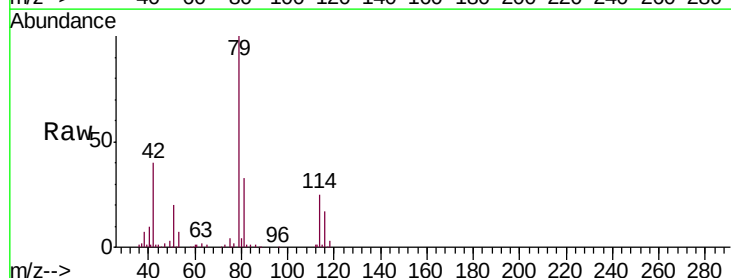
Instrument :
MSVOA_W
ClientSampled :
GAQ68

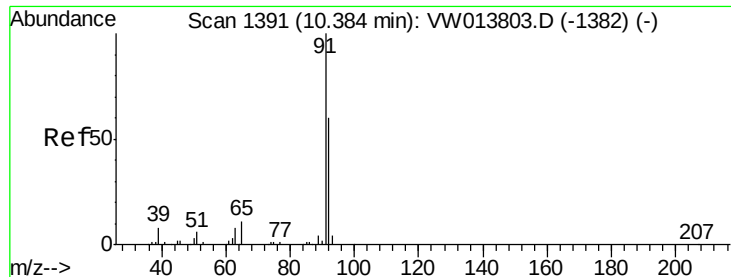
Tgt Ion: 83 Resp: 3768
Ion Ratio Lower Upper
83 100
55 97.6 60.2 90.4#
98 21.2 39.1 58.7#



#42
cis-1,3-Dichloropropene
Concen: 0.494 ug/L
RT: 10.04 min Scan# 1334
Delta R.T. -0.04 min
Lab File: VW013819.D
Acq: 30 Oct 2019 03:24

Tgt Ion: 75 Resp: 3343
Ion Ratio Lower Upper
75 100
77 55.5 22.5 41.9#





#44

Toluene

Concen: 0.566 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW013819.D

Acq: 30 Oct 2019 03:24

Instrument :

MSVOA_W

ClientSampleId :

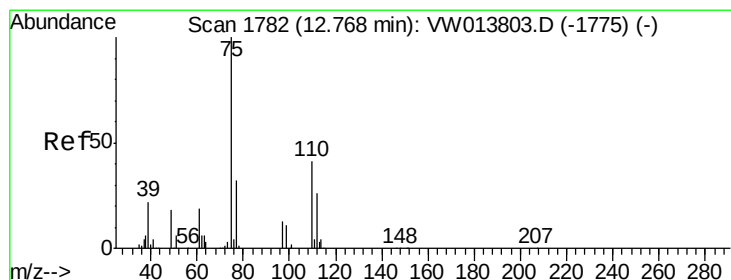
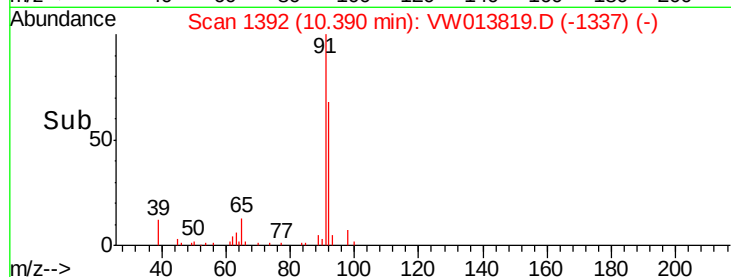
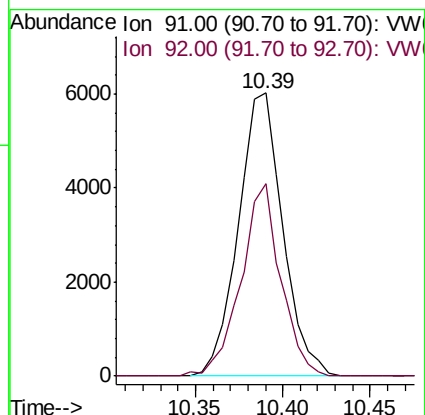
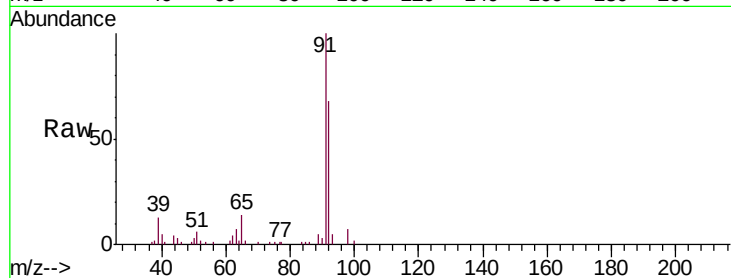
GAQ68

Tgt Ion: 91 Resp: 10655

Ion Ratio Lower Upper

91 100

92 67.9 42.0 78.0



#59

1,2,3-Trichloropropane

Concen: 4.169 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW013819.D

Acq: 30 Oct 2019 03:24

Tgt Ion: 75 Resp: 12045

Ion Ratio Lower Upper

75 100

77 37.1 26.4 39.6

