

Data File : VW013807.D
Acq On : 29 Oct 2019 22:09
Operator : SY/VA
Sample : K5549-22MSD
Misc : 2.30G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAQ73MSD

Quant Time: Oct 30 08:19:13 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	299385	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	287725	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	153197	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	90609	24.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.68%
7) Chloroethane-d5	2.89	69	72907	21.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.04%
10) 1,1-Dichloroethene-d2	4.03	63	190419	23.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.88%
20) 2-Butanone-d5	7.07	46	83375	63.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	126.92%
24) Chloroform-d	7.65	84	191625	22.87	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.48%
26) 1,2-Dichloroethane-d4	8.31	65	109784	25.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.24%
29) Benzene-d6	8.27	84	411533	23.81	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.24%
33) 1,2-Dichloropropane-d6	9.27	67	123270	23.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.52%
37) Toluene-d8	10.32	98	373938	23.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.80%
38) trans-1,3-Dichloropropene-	10.58	79	53973	23.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.68%
39) 2-Hexanone-d5	10.92	63	69184	70.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	140.20%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	120864	28.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	114.32%
61) 1,2-Dichlorobenzene-d4	13.85	152	133203	24.60	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.40%

Target Compounds

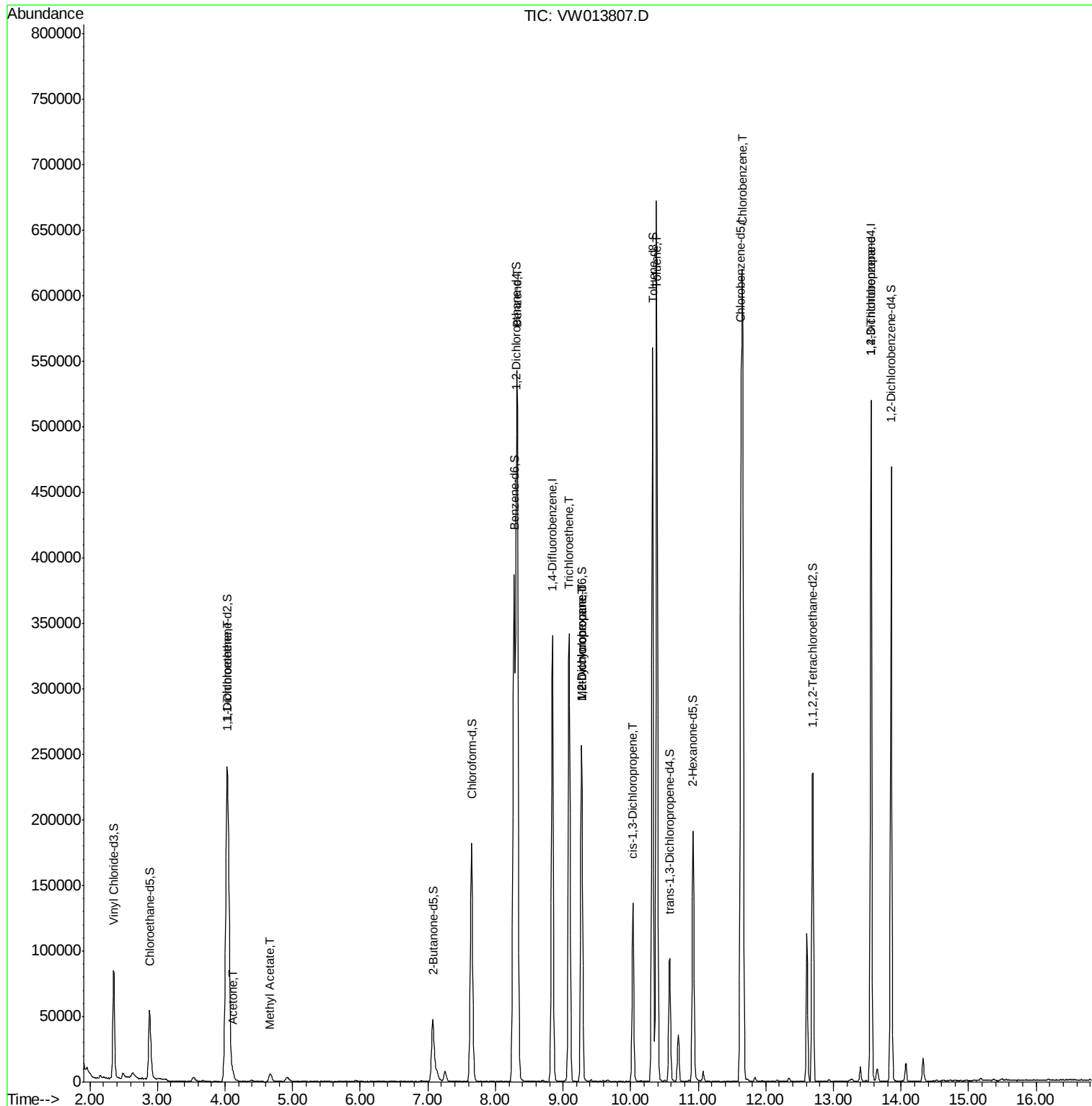
					Qvalue
12) 1,1-Dichloroethene	4.04	96	106232	22.327	ug/L 93
13) Acetone	4.12	43	6524	4.474	ug/L 97
15) Methyl Acetate	4.67	43	12064	5.064	ug/L # 83
34) Benzene	8.32	78	477649	23.137	ug/L 100
35) Trichloroethene	9.09	95	121049	22.853	ug/L 99
36) Methylcyclohexane	9.27	83	30085	3.222	ug/L # 20
40) 1,2-Dichloropropane	9.27	63	13155	2.606	ug/L # 85
42) cis-1,3-Dichloropropene	10.04	75	3172	0.398	ug/L # 68
44) Toluene	10.38	91	515243	23.230	ug/L 97
52) Chlorobenzene	11.66	112	323771	22.814	ug/L 98
59) 1,2,3-Trichloropropane	13.55	75	15517	4.560	ug/L 93

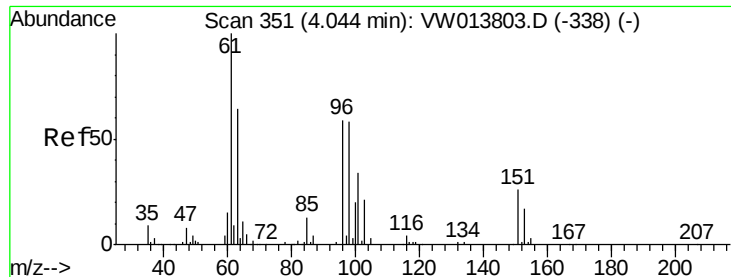
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 22.327 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW013807.D

Acq: 29 Oct 2019 22:09

Instrument :

MSVOA_W

ClientSampleId :

GAQ73MSD

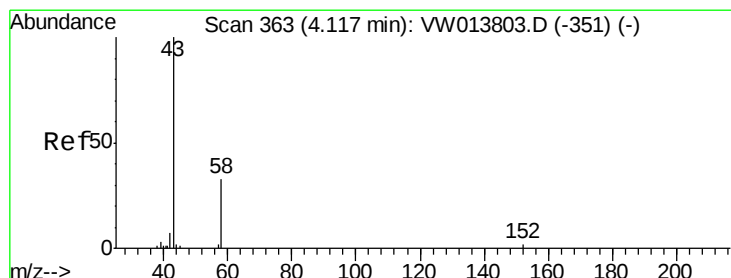
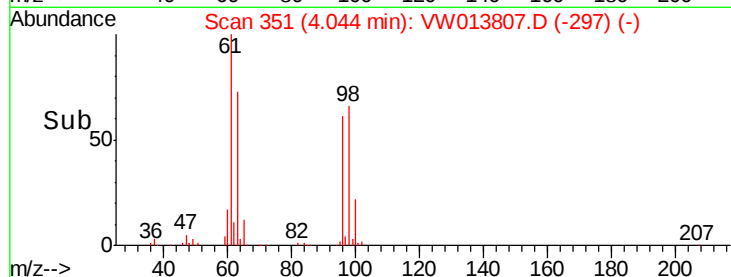
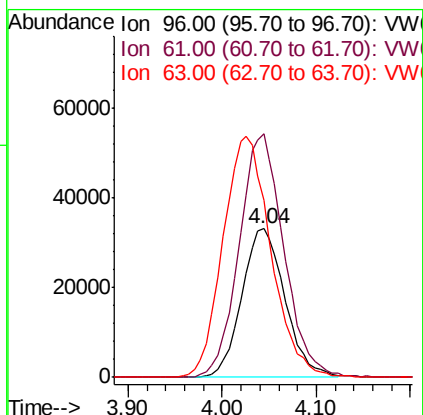
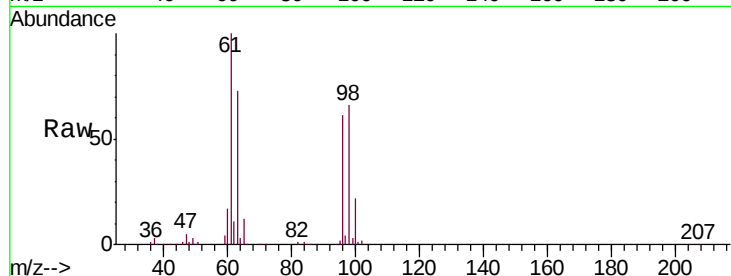
Tgt Ion: 96 Resp: 106232

Ion Ratio Lower Upper

96 100

61 163.9 112.7 209.3

63 118.8 72.8 135.2



#13

Acetone

Concen: 4.474 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW013807.D

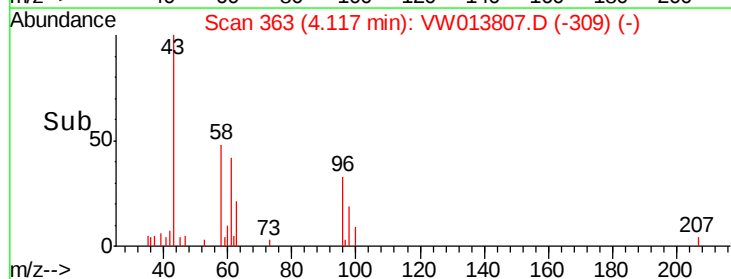
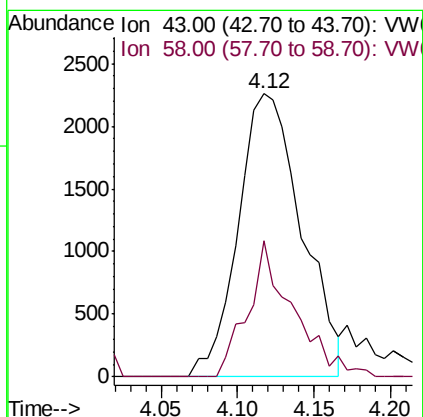
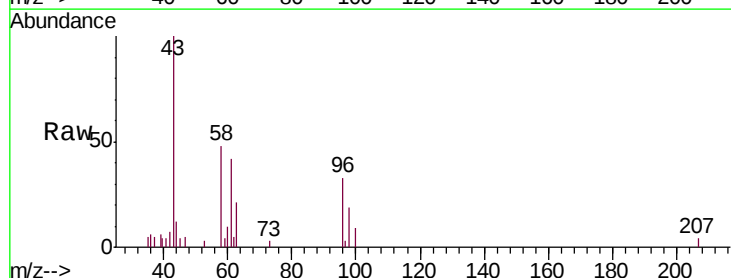
Acq: 29 Oct 2019 22:09

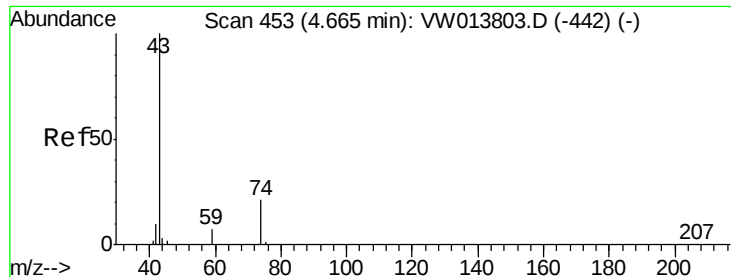
Tgt Ion: 43 Resp: 6524

Ion Ratio Lower Upper

43 100

58 33.7 0.0 70.4

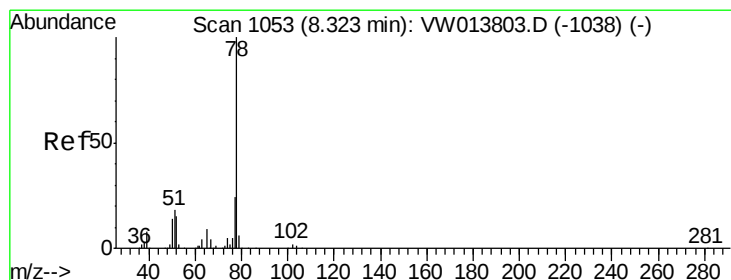
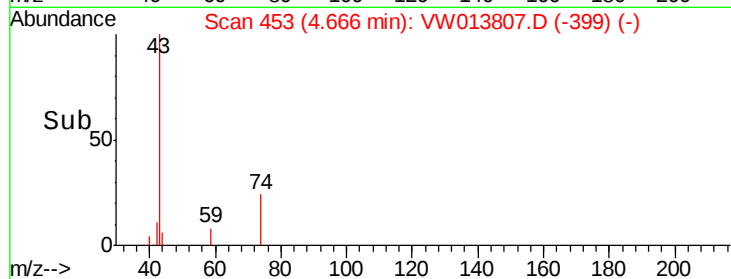
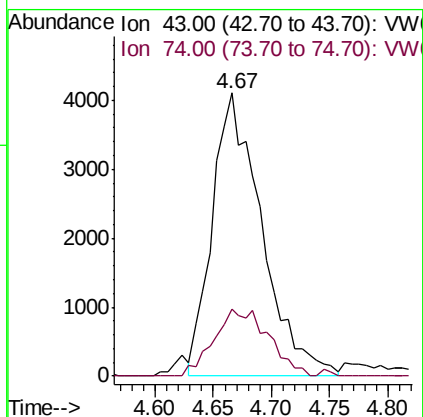
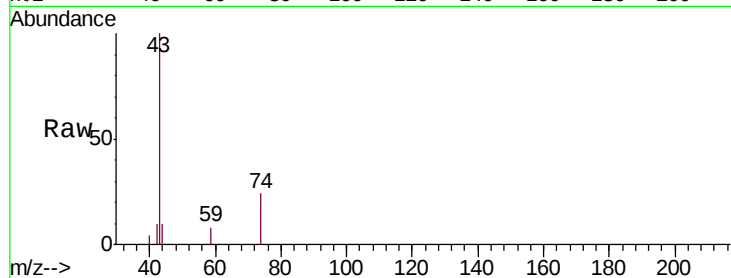




#15
Methyl Acetate
Concen: 5.064 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW013807.D
Acq: 29 Oct 2019 22:09

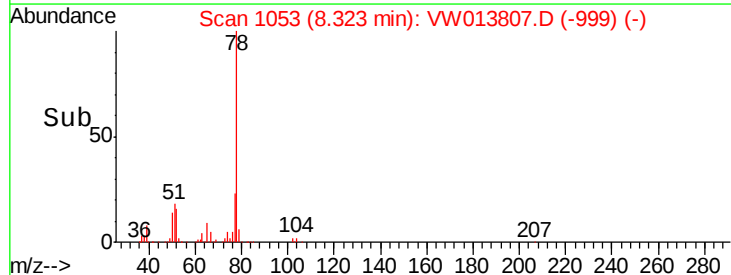
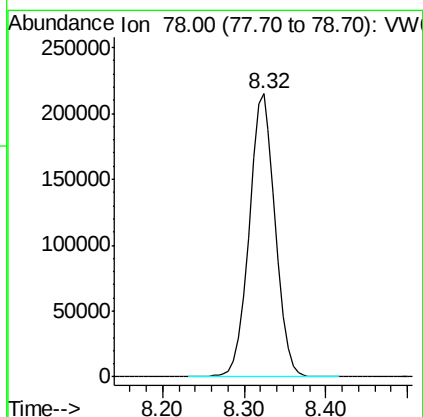
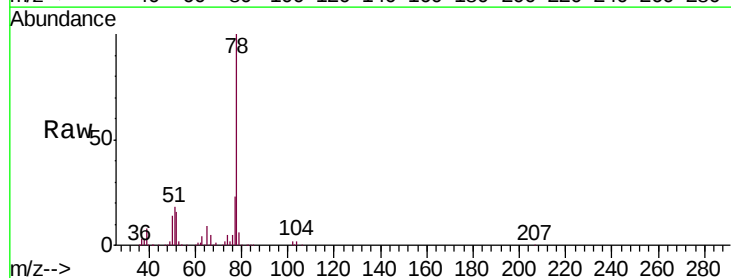
Instrument :
MSVOA_W
ClientSampleId :
GAQ73MSD

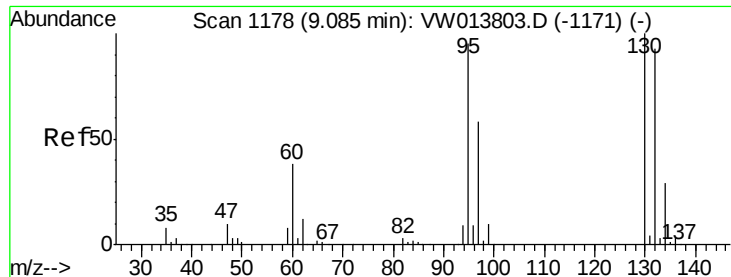
Tgt Ion: 43 Resp: 12064
Ion Ratio Lower Upper
43 100
74 15.5 19.2 28.8#



#34
Benzene
Concen: 23.137 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW013807.D
Acq: 29 Oct 2019 22:09

Tgt Ion: 78 Resp: 477649





#35

Trichloroethene

Concen: 22.853 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW013807.D

Acq: 29 Oct 2019 22:09

Instrument :

MSVOA_W

ClientSampleId :

GAQ73MSD

Tgt Ion: 95 Resp: 121049

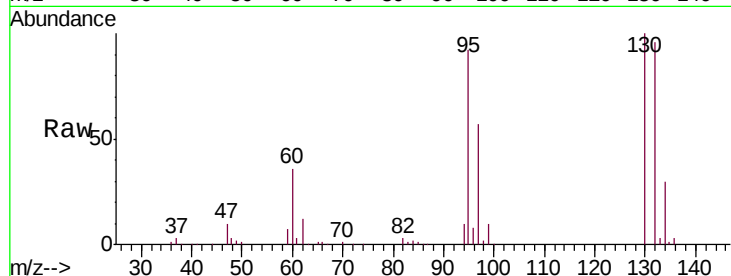
Ion Ratio Lower Upper

95 100

97 63.7 45.8 85.2

132 105.7 74.3 138.1

130 110.9 76.6 142.3



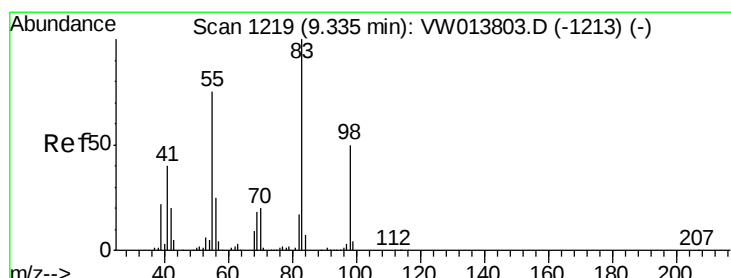
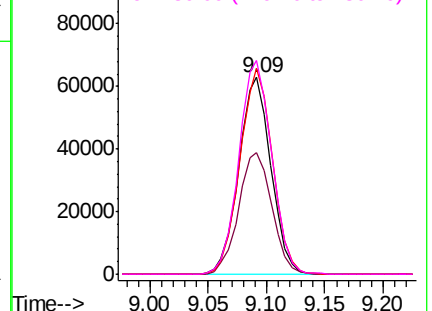
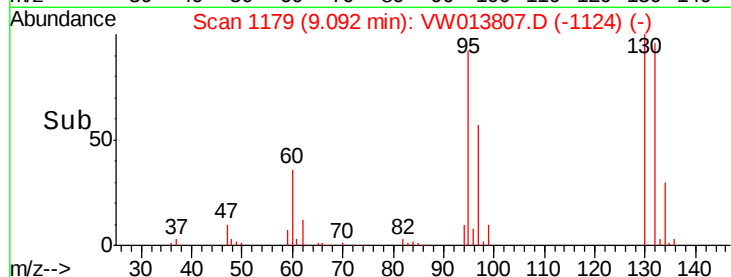
Abundance

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



#36

Methylcyclohexane

Concen: 3.222 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.06 min

Lab File: VW013807.D

Acq: 29 Oct 2019 22:09

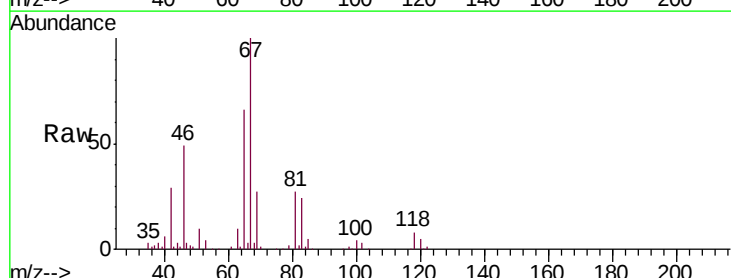
Tgt Ion: 83 Resp: 30085

Ion Ratio Lower Upper

83 100

55 0.6 60.2 90.4#

98 2.0 39.1 58.7#

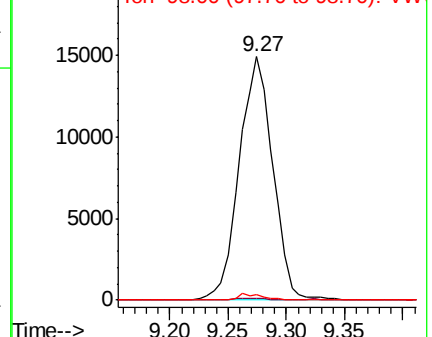
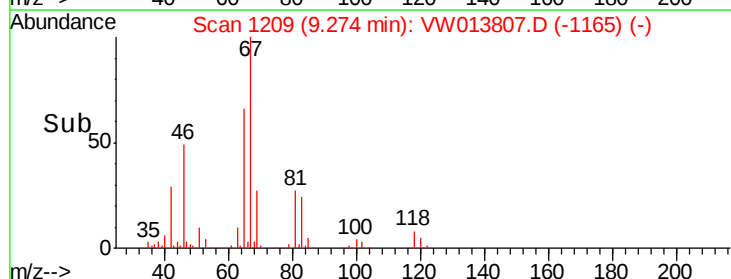


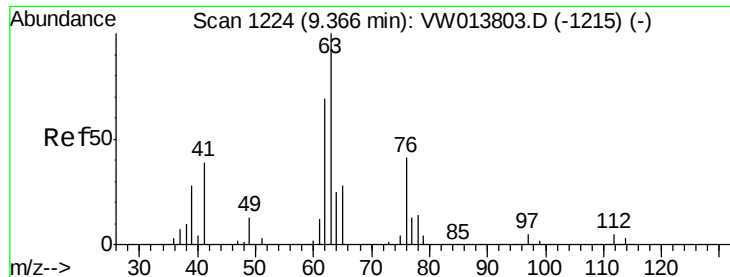
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

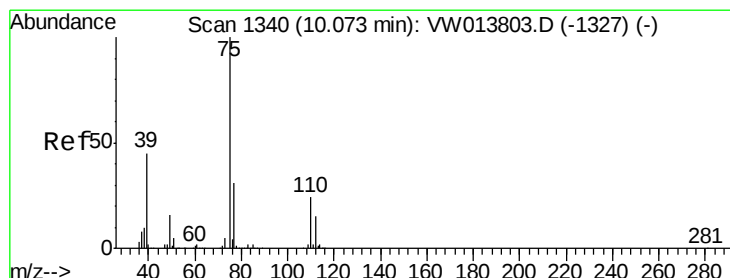
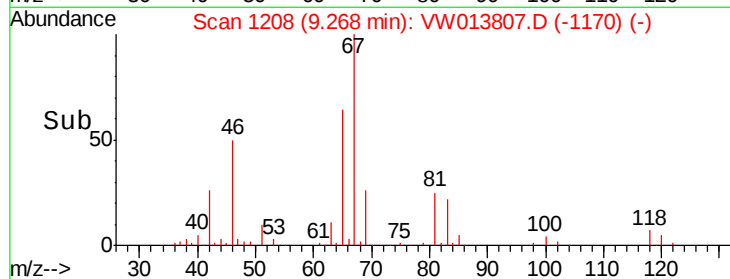
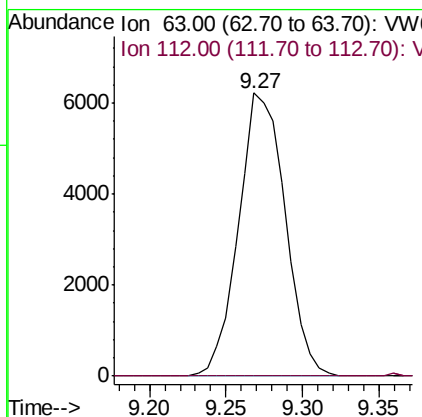
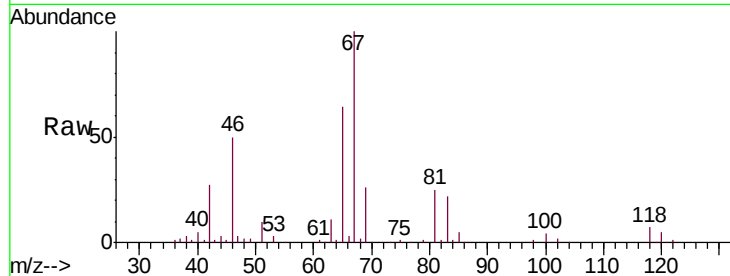




#40
 1,2-Dichloropropane
 Concen: 2.606 ug/L
 RT: 9.27 min Scan# 1208
 Delta R.T. -0.10 min
 Lab File: VW013807.D
 Acq: 29 Oct 2019 22:09

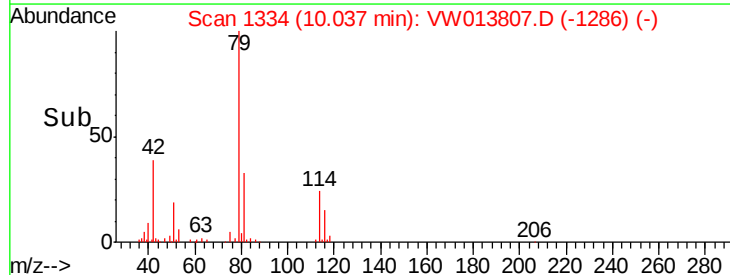
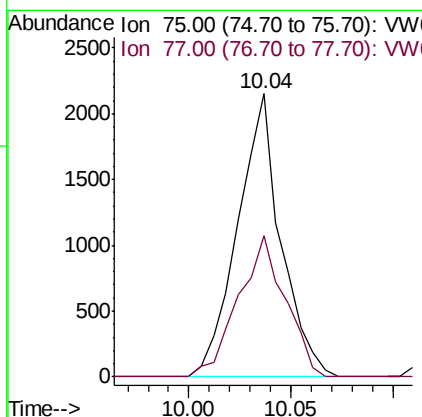
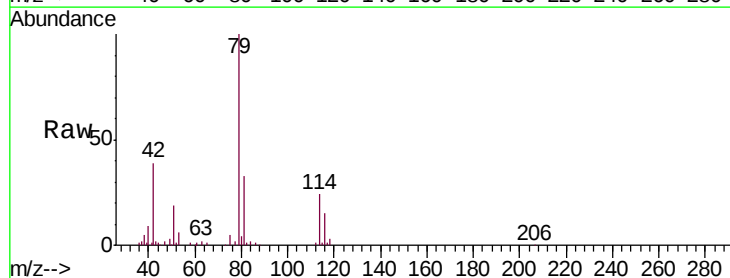
Instrument :
 MSVOA_W
 ClientSampleId :
 GAQ73MSD

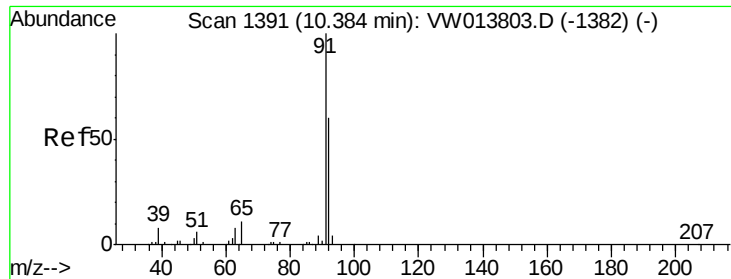
Tgt Ion: 63 Resp: 13155
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.9 5.9#



#42
 cis-1,3-Dichloropropene
 Concen: 0.398 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW013807.D
 Acq: 29 Oct 2019 22:09

Tgt Ion: 75 Resp: 3172
 Ion Ratio Lower Upper
 75 100
 77 50.0 22.5 41.9#





#44

Toluene

Concen: 23.230 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013807.D

Acq: 29 Oct 2019 22:09

Instrument :

MSVOA_W

ClientSampleId :

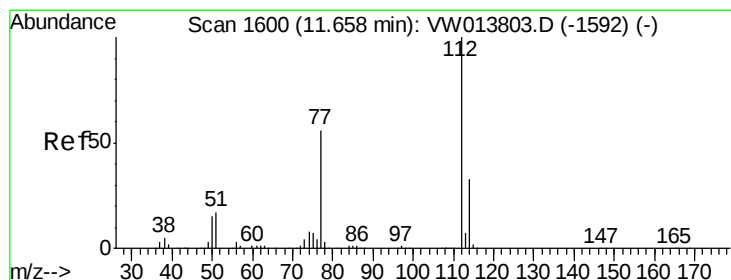
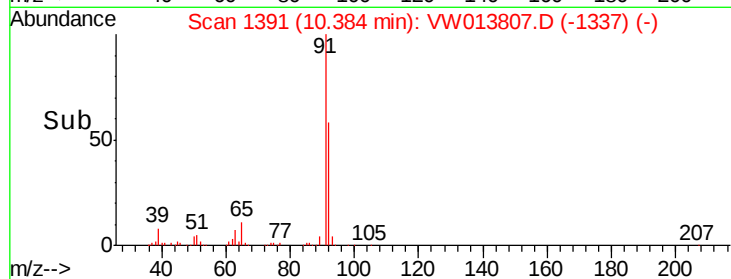
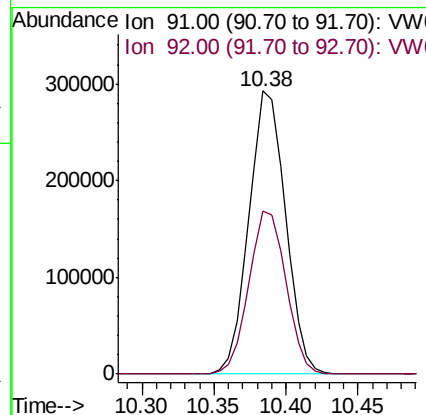
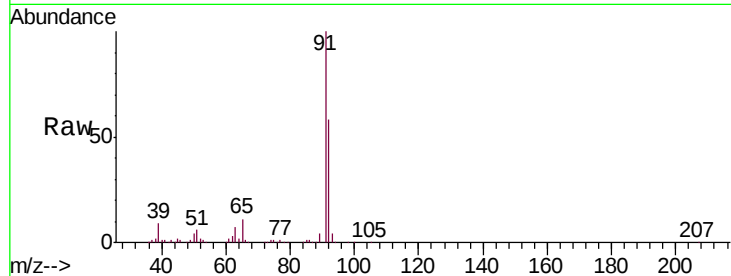
GAQ73MSD

Tgt Ion: 91 Resp: 515243

Ion Ratio Lower Upper

91 100

92 57.8 42.0 78.0



#52

Chlorobenzene

Concen: 22.814 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW013807.D

Acq: 29 Oct 2019 22:09

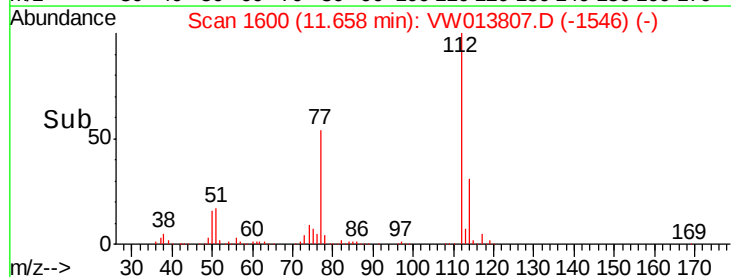
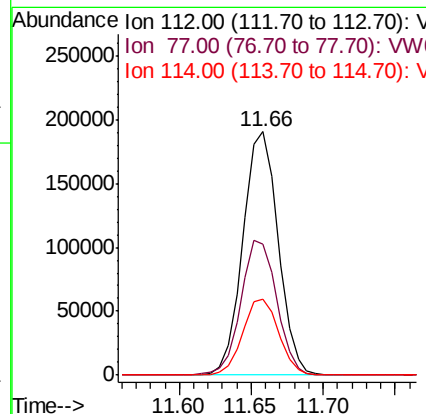
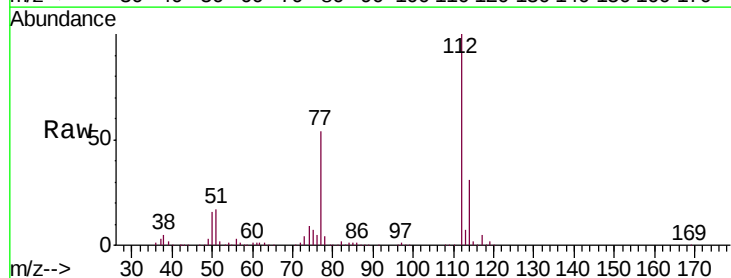
Tgt Ion: 112 Resp: 323771

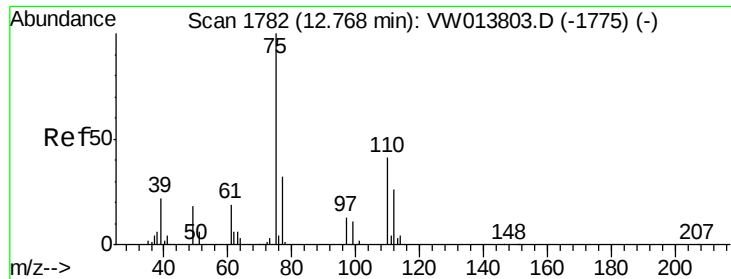
Ion Ratio Lower Upper

112 100

77 53.9 44.1 66.1

114 31.4 23.4 43.4





#59

1,2,3-Trichloropropane

Concen: 4.560 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW013807.D

Acq: 29 Oct 2019 22:09

Instrument :

MSVOA_W

ClientSampleId :

GAQ73MSD

Tgt Ion: 75 Resp: 15517

Ion Ratio Lower Upper

75 100

77 36.8 26.4 39.6

