

Data File : VW015046.D
Acq On : 26 Feb 2020 16:09
Operator : SY/VA
Sample : L1686-02
Misc : 3.76G/10ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAW01

Quant Time: Feb 27 02:04:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022420S.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 27 02:01:40 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	764912	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	707129	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	258460	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	448200	23.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.68%
7) Chloroethane-d5	2.89	69	318830	23.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.48%
10) 1,1-Dichloroethene-d2	4.02	63	558157	18.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.00%
20) 2-Butanone-d5	7.07	46	149958	46.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.78%
24) Chloroform-d	7.65	84	626934	24.95	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	8.13	65	59	0.00	ug/L	-0.16
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.00%#
29) Benzene-d6	8.27	84	1277014	26.28	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.12%
33) 1,2-Dichloropropane-d6	9.27	67	430745	26.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.92%
37) Toluene-d8	10.32	98	1076823	26.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.28%
38) trans-1,3-Dichloropropene-	10.57	79	149792	24.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.64%
39) 2-Hexanone-d5	10.92	63	108834	50.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	256296	24.38	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.52%
61) 1,2-Dichlorobenzene-d4	13.85	152	274232	28.96	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	115.84%

Target Compounds

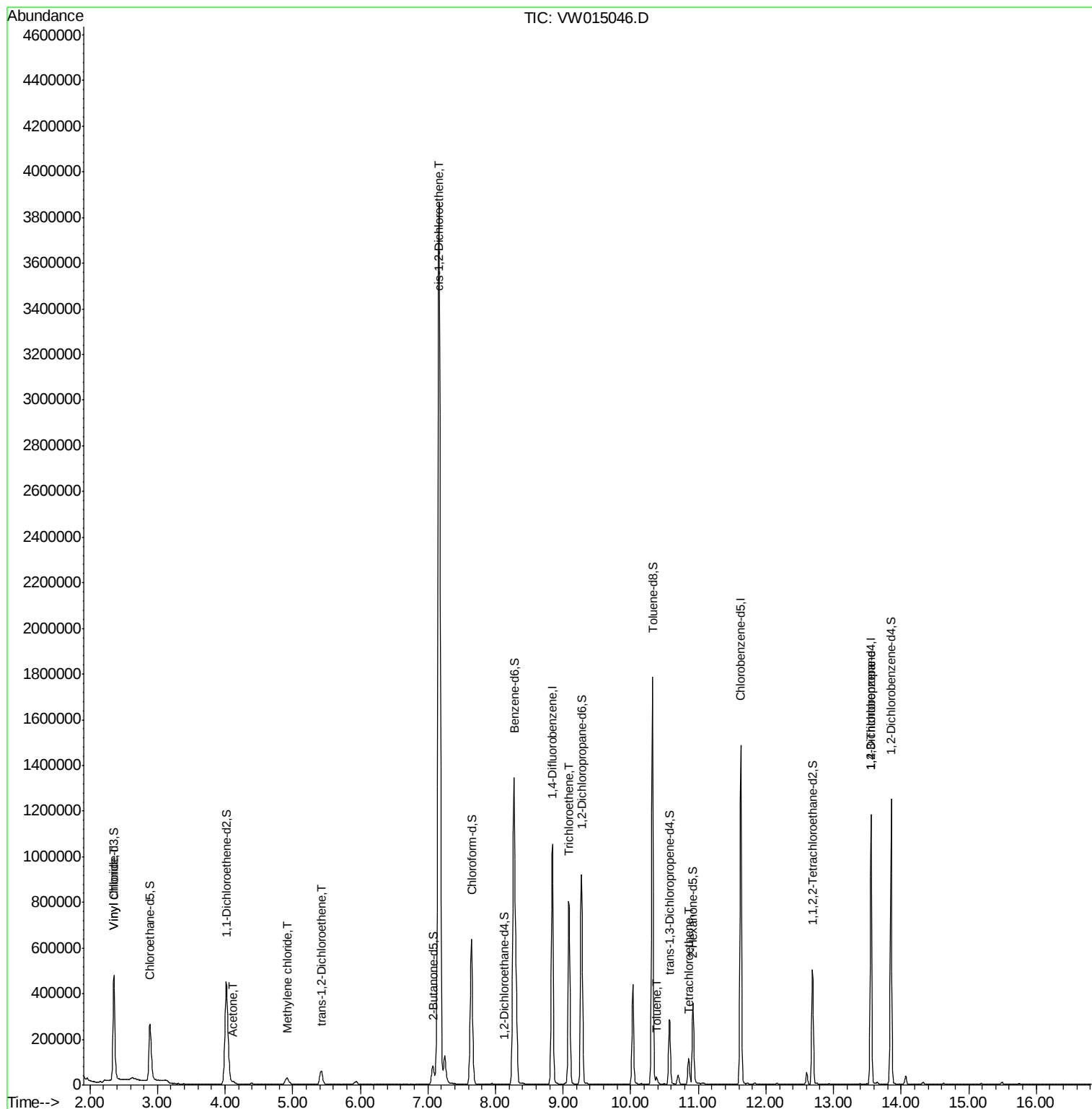
						Qvalue
5) Vinyl chloride	2.36	62	106052	5.478	ug/L	88
13) Acetone	4.12	43	11676	3.087	ug/L	83
16) Methylene chloride	4.92	84	22341	1.578	ug/L	97
18) trans-1,2-Dichloroethene	5.43	96	33676	2.849	ug/L	97
22) cis-1,2-Dichloroethene	7.16	96	2032566	168.986	ug/L	96
35) Trichloroethene	9.09	95	285384	22.428	ug/L	99
44) Toluene	10.38	91	21084	0.413	ug/L	98
47) Tetrachloroethene	10.86	164	21267	2.593	ug/L	92
59) 1,2,3-Trichloropropane	13.55	75	42100	5.280	ug/L	89

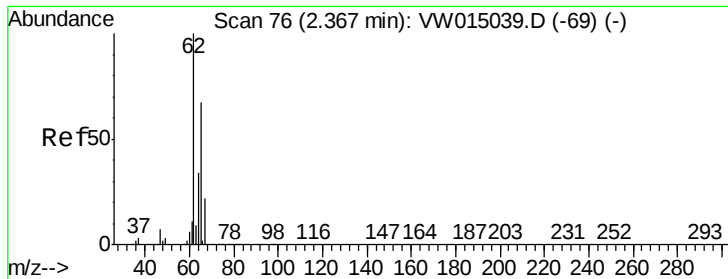
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.478 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015046.D

Acq: 26 Feb 2020 16:09

Instrument :

MSVOA_W

ClientSampled :

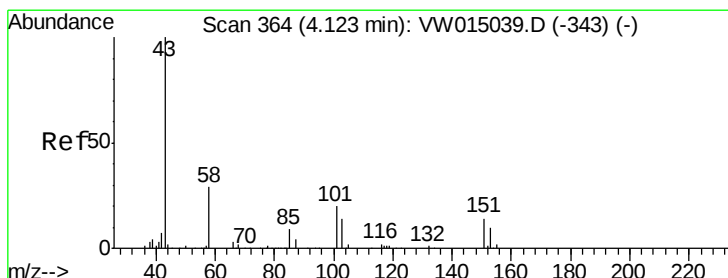
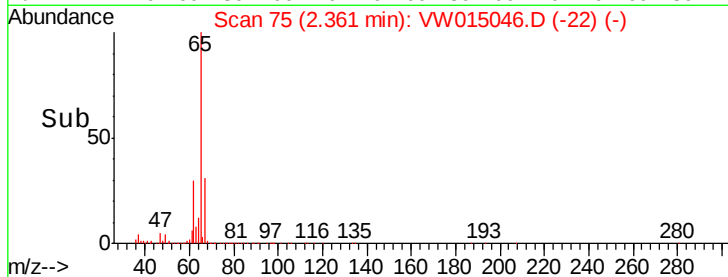
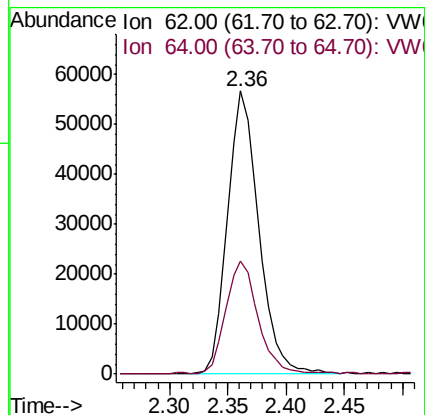
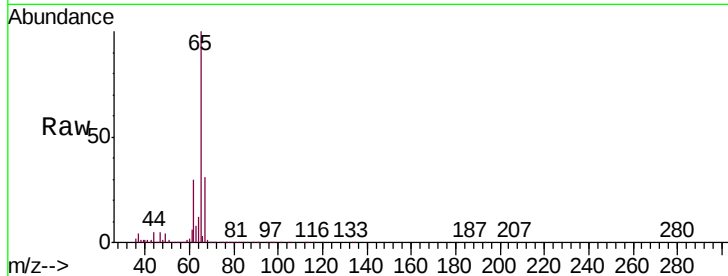
GAW01

Tgt Ion: 62 Resp: 106052

Ion Ratio Lower Upper

62 100

64 39.8 23.0 42.8



#13

Acetone

Concen: 3.087 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW015046.D

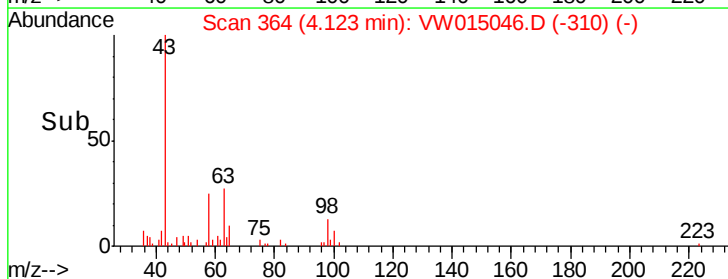
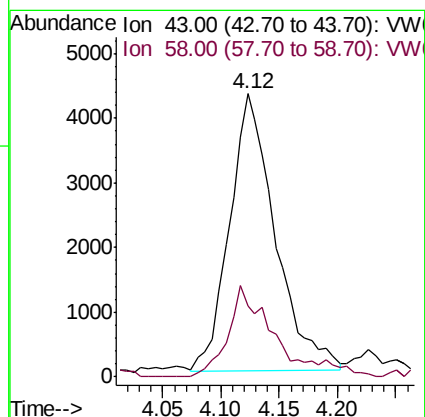
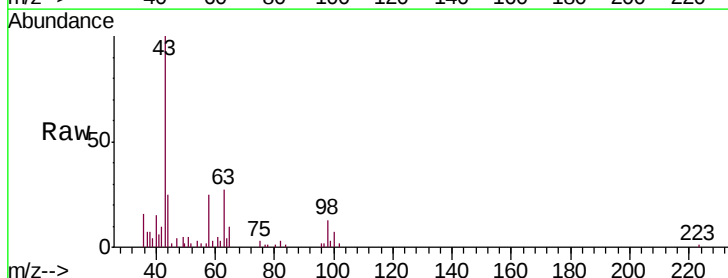
Acq: 26 Feb 2020 16:09

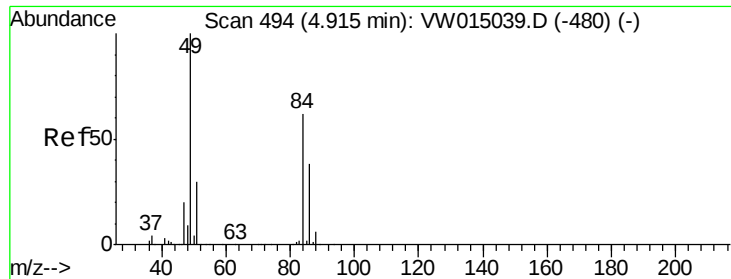
Tgt Ion: 43 Resp: 11676

Ion Ratio Lower Upper

43 100

58 18.0 0.0 54.0

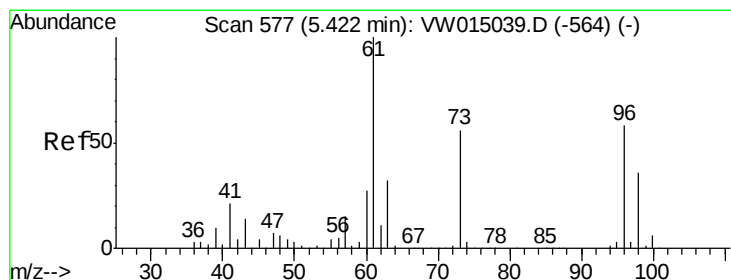
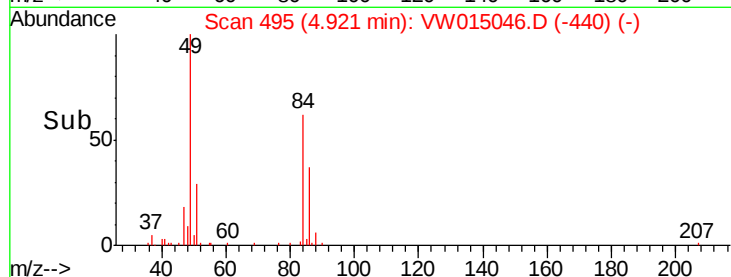
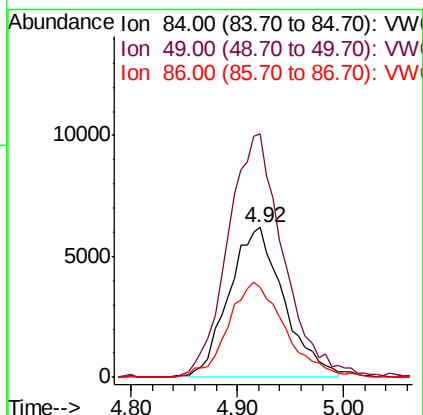
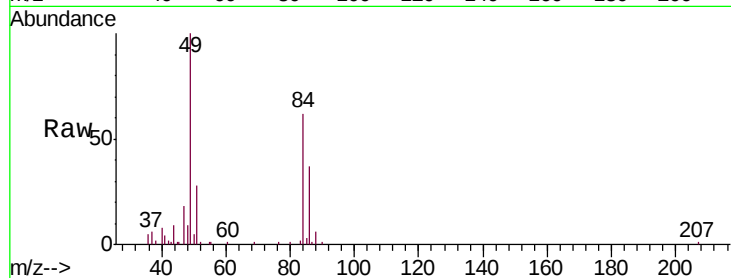




#16
Methylene chloride
Concen: 1.578 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW015046.D
Acq: 26 Feb 2020 16:09

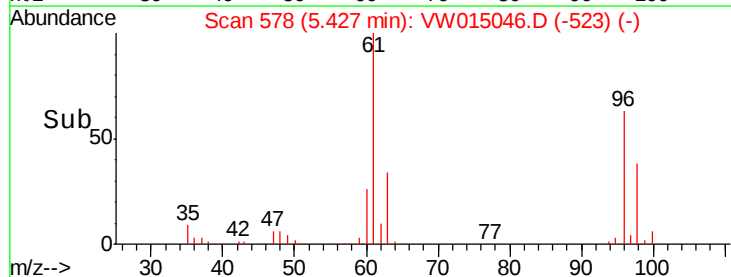
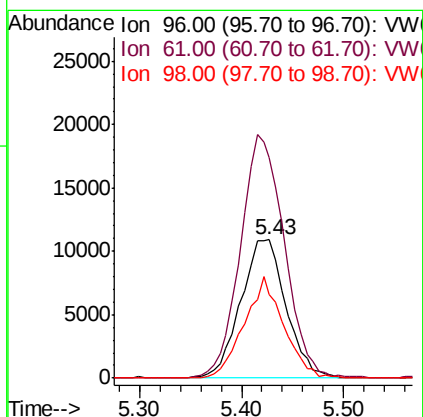
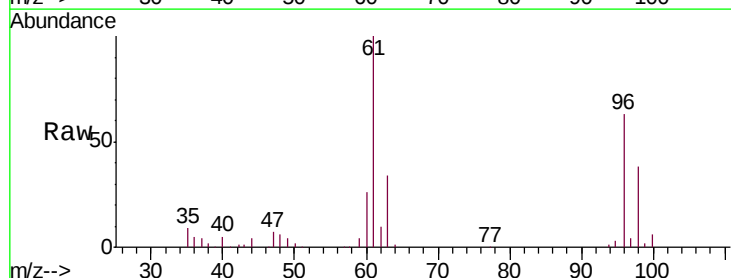
Instrument :
MSVOA_W
ClientSampled :
GAW01

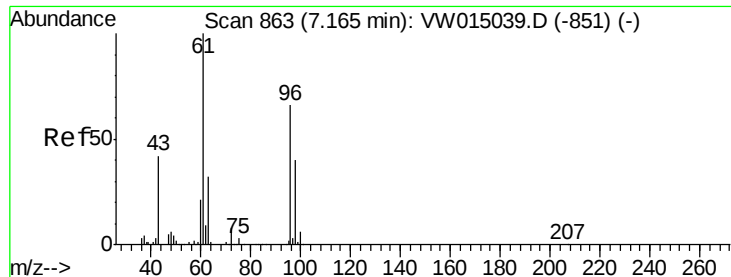
Tgt Ion: 84 Resp: 22341
Ion Ratio Lower Upper
84 100
49 162.5 115.6 214.8
86 60.1 45.9 85.3



#18
trans-1,2-Dichloroethene
Concen: 2.849 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW015046.D
Acq: 26 Feb 2020 16:09

Tgt Ion: 96 Resp: 33676
Ion Ratio Lower Upper
96 100
61 159.6 115.1 213.8
98 60.6 44.0 81.6



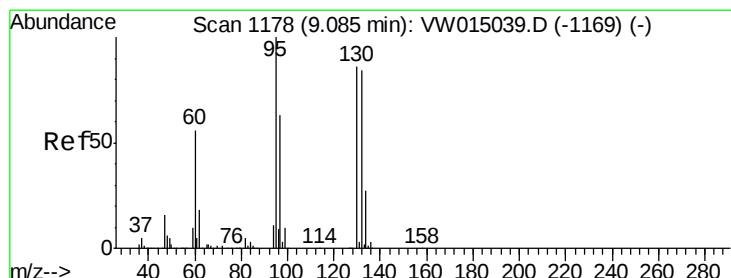
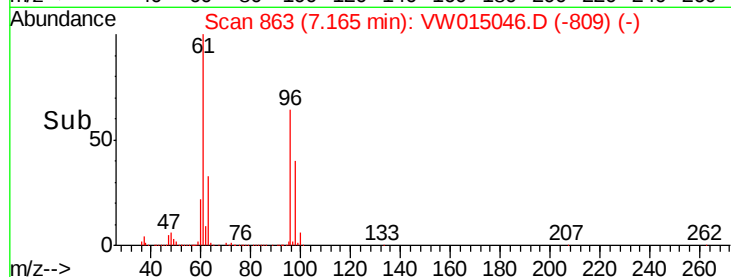
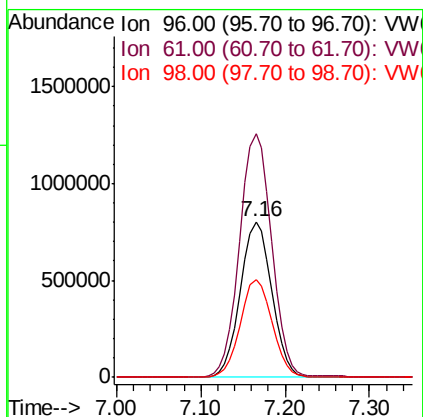
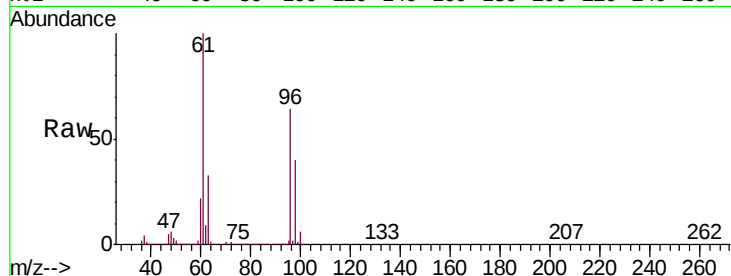


#22

cis-1,2-Dichloroethene
Concen: 168.986 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW015046.D
Acq: 26 Feb 2020 16:09

Instrument :
MSVOA_W
ClientSampleId :
GAW01

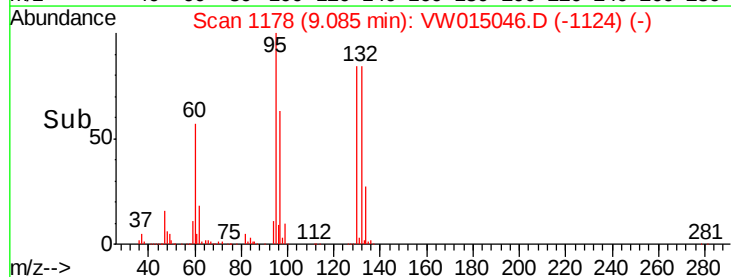
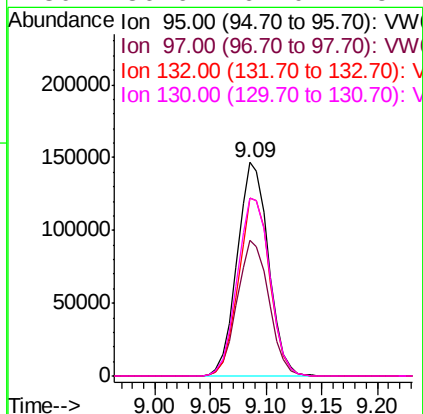
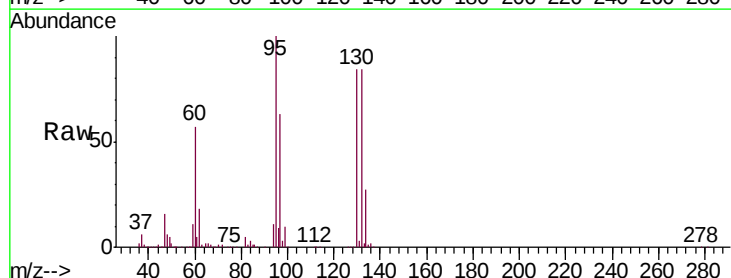
Tgt Ion: 96 Resp: 2032566
Ion Ratio Lower Upper
96 100
61 156.5 105.2 195.4
98 62.7 42.6 79.2

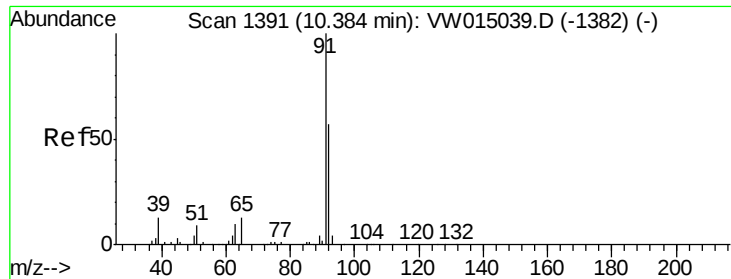


#35

Trichloroethene
Concen: 22.428 ug/L
RT: 9.09 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VW015046.D
Acq: 26 Feb 2020 16:09

Tgt Ion: 95 Resp: 285384
Ion Ratio Lower Upper
95 100
97 64.4 44.7 83.1
132 83.5 58.1 107.9
130 86.6 62.0 115.2





#44

Toluene

Concen: 0.413 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW015046.D

Acq: 26 Feb 2020 16:09

Instrument :

MSVOA_W

ClientSampleId :

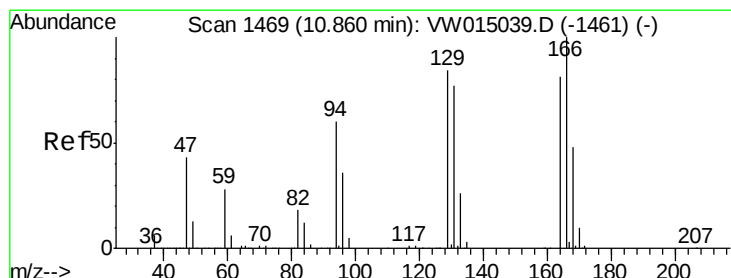
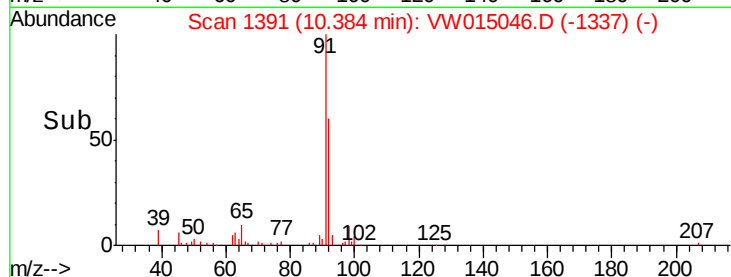
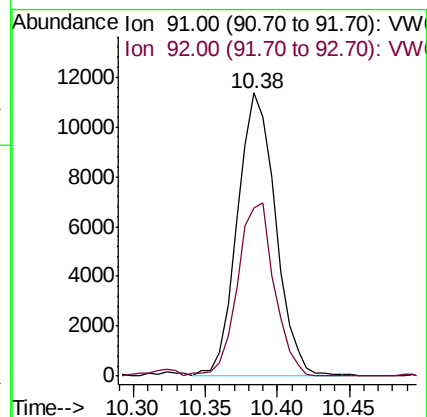
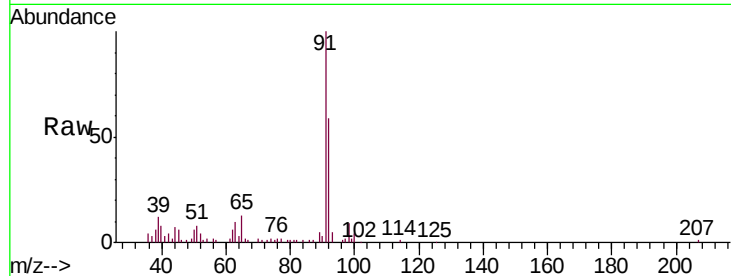
GAW01

Tgt Ion: 91 Resp: 21084

Ion Ratio Lower Upper

91 100

92 59.4 40.5 75.1



#47

Tetrachloroethene

Concen: 2.593 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW015046.D

Acq: 26 Feb 2020 16:09

Tgt Ion: 164 Resp: 21267

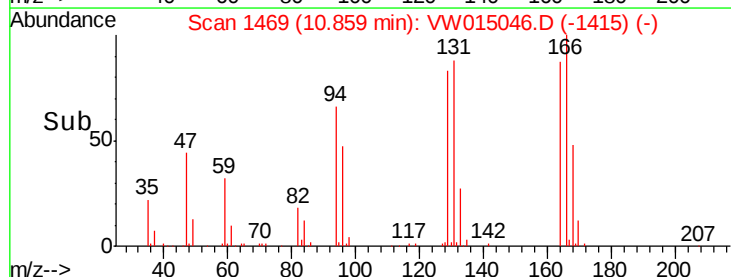
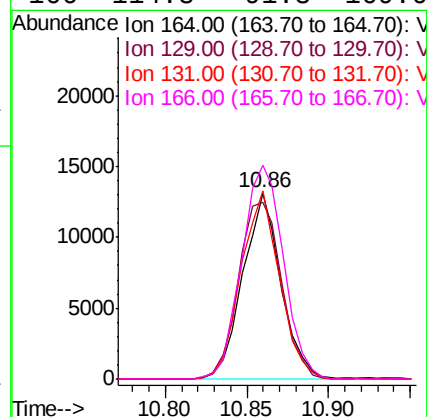
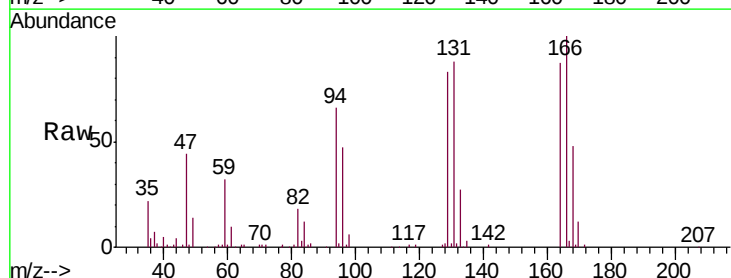
Ion Ratio Lower Upper

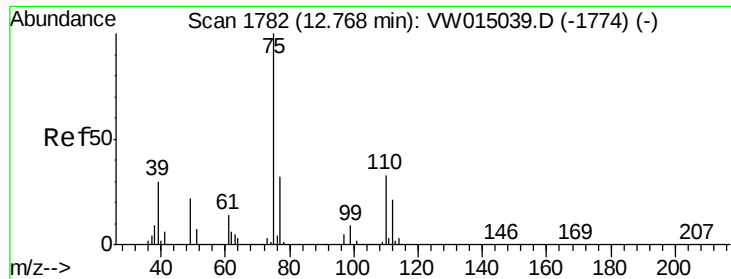
164 100

129 95.0 71.7 133.1

131 103.5 70.1 130.3

166 114.8 91.3 169.6





#59

1,2,3-Trichloropropane

Concen: 5.280 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW015046.D

Acq: 26 Feb 2020 16:09

Instrument :

MSVOA_W

ClientSampleId :

GAW01

Tgt Ion: 75 Resp: 42100

Ion Ratio Lower Upper

75 100

77 37.6 25.4 38.0

