

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072720\
 Data File : VW015970.D
 Acq On : 27 Jul 2020 16:36
 Operator : SY/VA
 Sample : L3458-06
 Misc : 5.09G/10ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAY34

Quant Time: Jul 28 01:39:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 28 01:36:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	394511	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	363790	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	168684	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	90422	16.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.96%
7) Chloroethane-d5	2.89	69	71600	15.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.36%
10) 1,1-Dichloroethene-d2	4.01	63	135993	12.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	48.32%
20) 2-Butanone-d5	7.09	46	113725	77.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	155.54%#
24) Chloroform-d	7.65	84	185090	16.70	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	66.80%
26) 1,2-Dichloroethane-d4	8.31	65	118592	19.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	78.00%
29) Benzene-d6	8.28	84	370780	16.74	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	66.96%
33) 1,2-Dichloropropane-d6	9.28	67	119296	17.97	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	71.88%
37) Toluene-d8	10.33	98	330239	16.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	65.84%
38) trans-1,3-Dichloropropene-	10.58	79	53846	19.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	76.12%
39) 2-Hexanone-d5	10.93	63	88066	79.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	159.34%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	145226	28.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	113.84%
61) 1,2-Dichlorobenzene-d4	13.85	152	123439	18.77	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	75.08%

Target Compounds

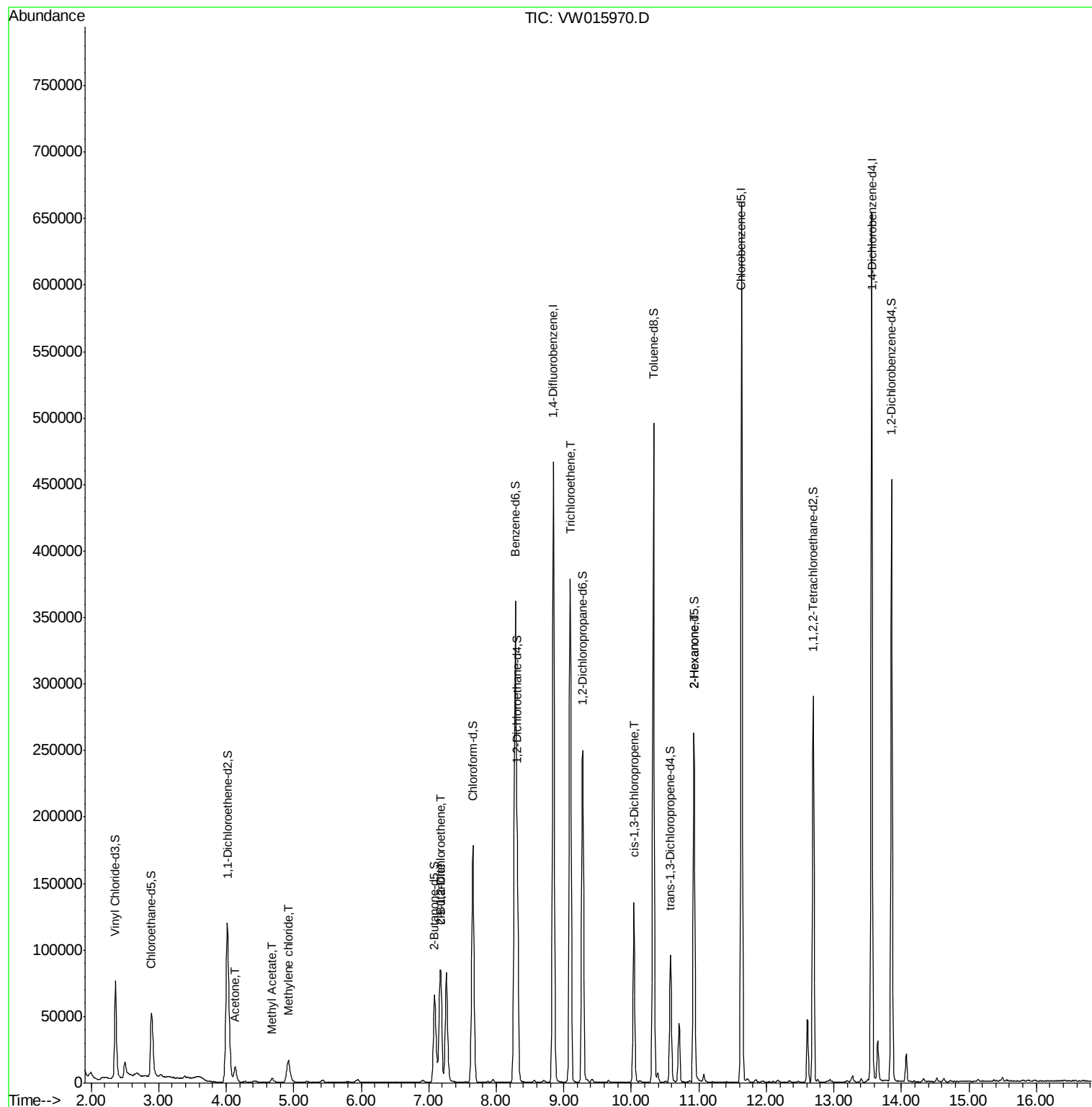
					Ovalue
13) Acetone	4.13	43	19578	15.943	ug/L 97
15) Methyl Acetate	4.67	43	2307	0.996	ug/L # 25
16) Methylene chloride	4.92	84	14377	2.224	ug/L 90
21) 2-Butanone	7.18	43	3232	2.128	ug/L 99
22) cis-1,2-Dichloroethene	7.18	96	48650	8.683	ug/L 94
35) Trichloroethene	9.10	95	136335	23.326	ug/L 99
42) cis-1,3-Dichloropropene	10.04	75	3305	0.396	ug/L # 54
49) 2-Hexanone	10.93	43	10545	4.651	ug/L # 70

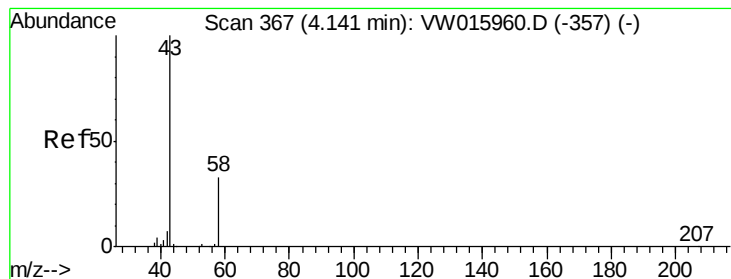
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 15.943 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW015970.D

Acq: 27 Jul 2020 16:36

Instrument :

MSVOA_W

ClientSampleId :

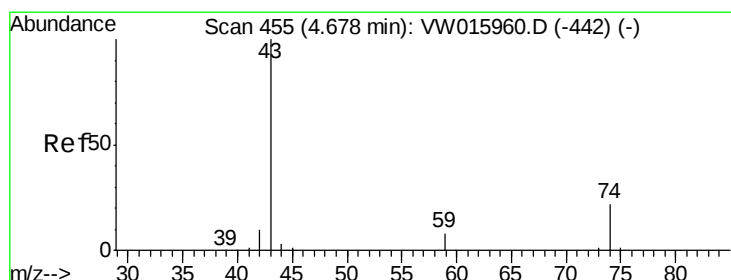
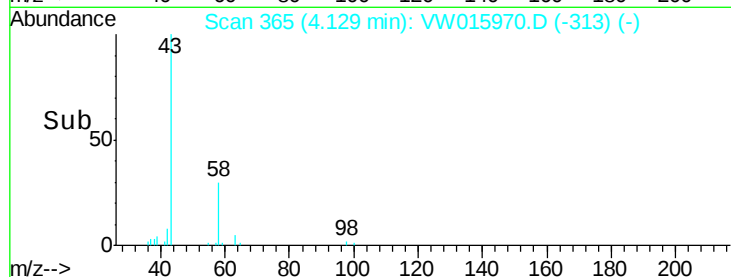
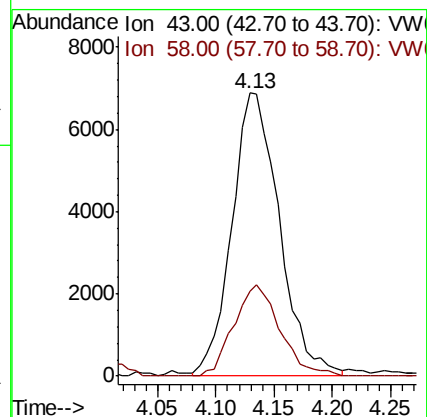
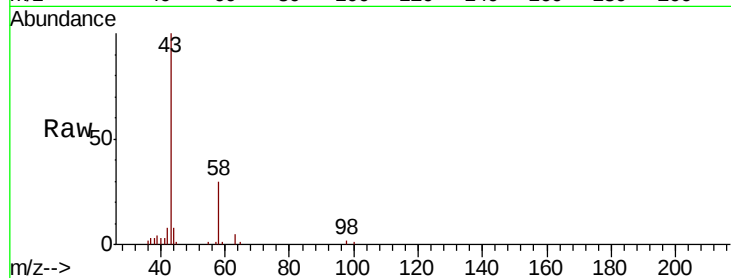
GAY34

Tot Ion: 43 Resp: 19578

Ion Ratio Lower Upper

43 100

58 30.9 0.0 58.2



#15

Methyl Acetate

Concen: 0.996 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW015970.D

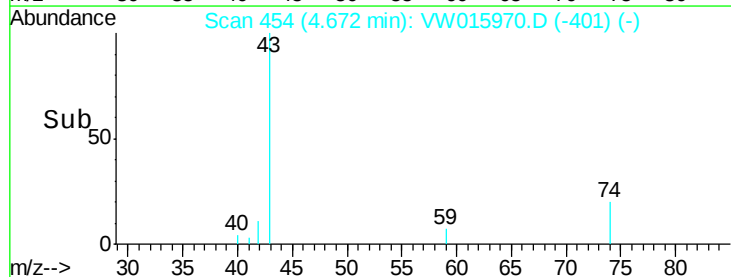
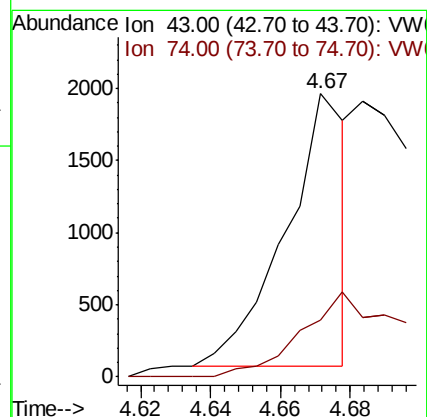
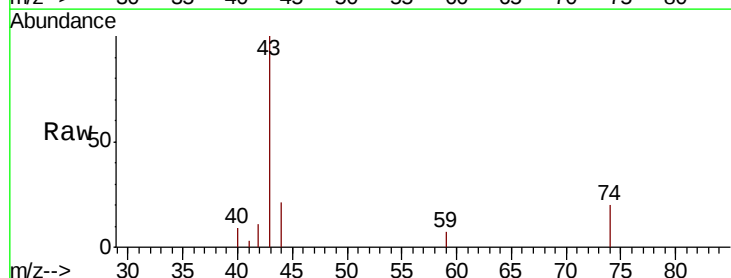
Acq: 27 Jul 2020 16:36

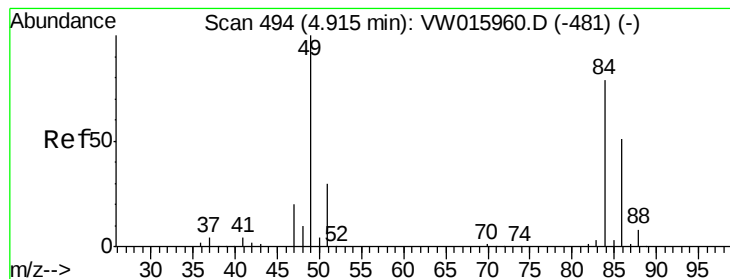
Tgt Ion: 43 Resp: 2307

Ion Ratio Lower Upper

43 100

74 58.9 18.2 27.2#





#16

Methylene chloride

Concen: 2.224 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW015970.D

Acq: 27 Jul 2020 16:36

Instrument :

MSVOA_W

ClientSampled :

GAY34

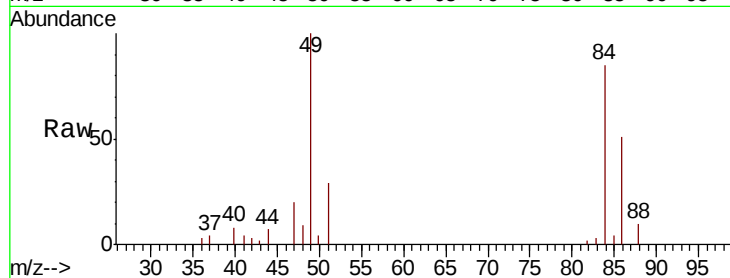
Tot Ion: 84 Resp: 14377

Ion Ratio Lower Upper

84 100

49 117.7 91.1 169.1

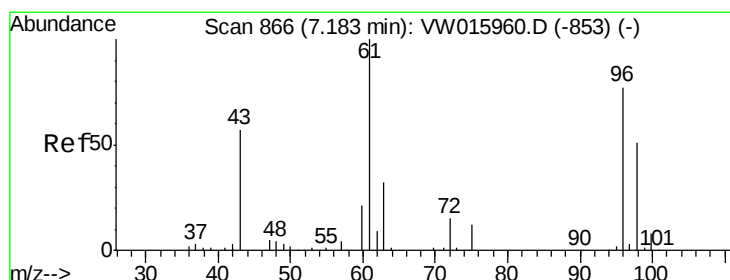
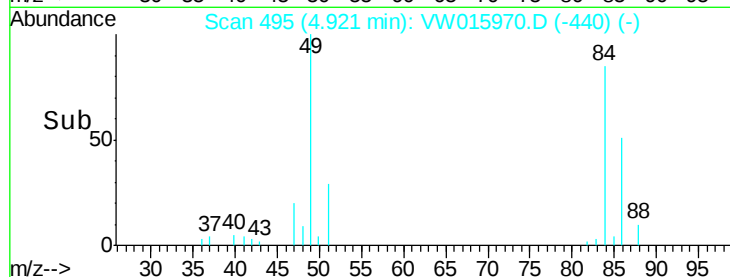
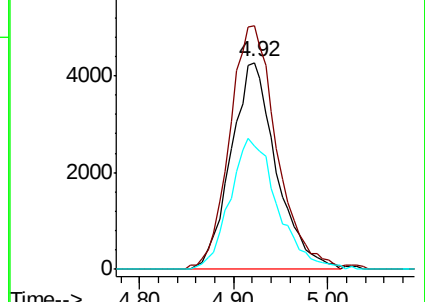
86 59.8 46.0 85.4



Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW



#21

2-Butanone

Concen: 2.128 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW015970.D

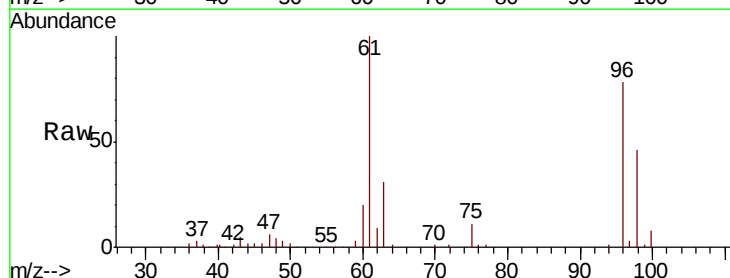
Acq: 27 Jul 2020 16:36

Tgt Ion: 43 Resp: 3232

Ion Ratio Lower Upper

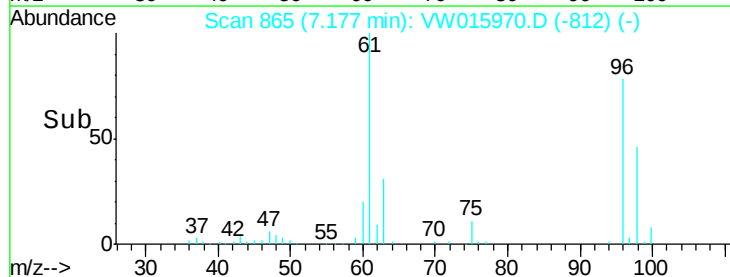
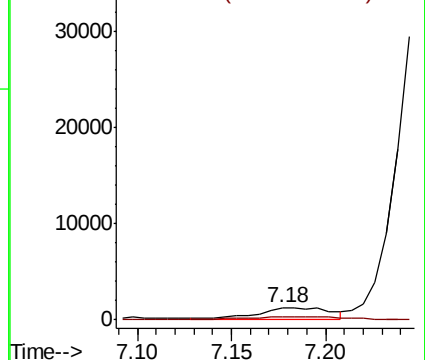
43 100

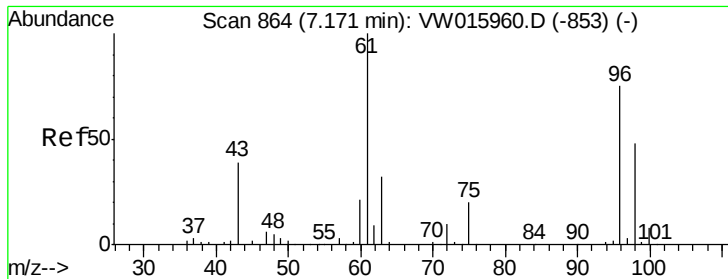
72 27.3 13.9 41.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



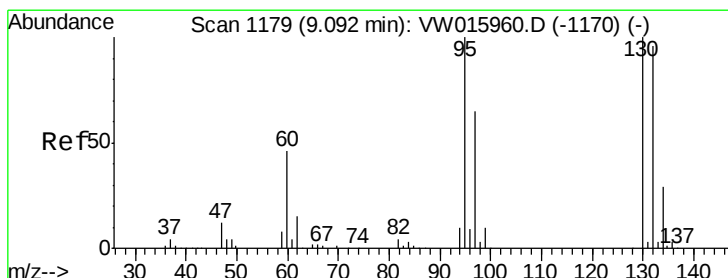
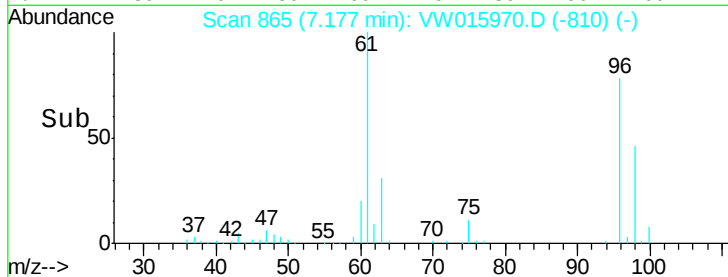
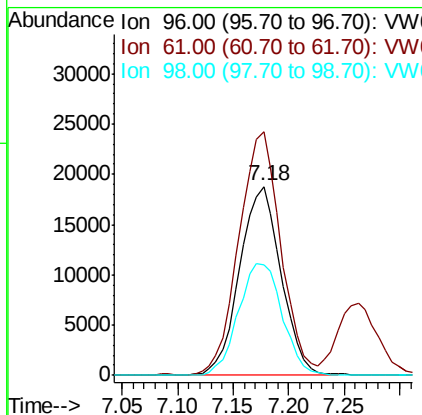
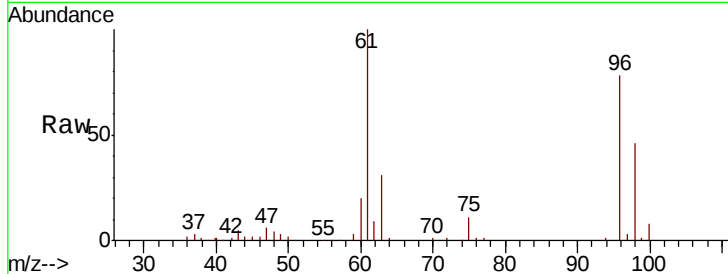


#22

cis-1,2-Dichloroethene
Concen: 8.683 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW015970.D
Acq: 27 Jul 2020 16:36

Instrument :
MSVOA_W
ClientSampleId :
GAY34

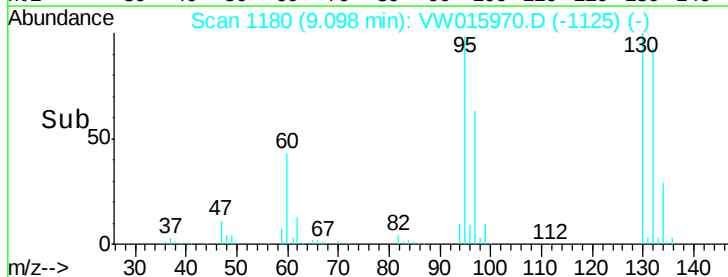
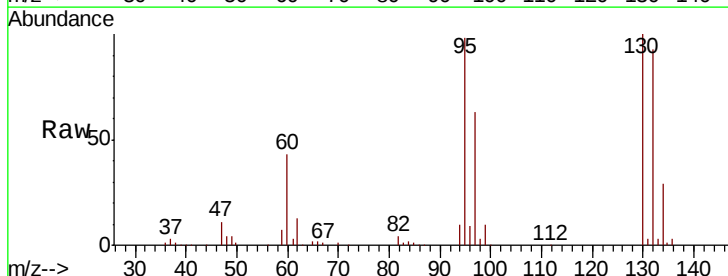
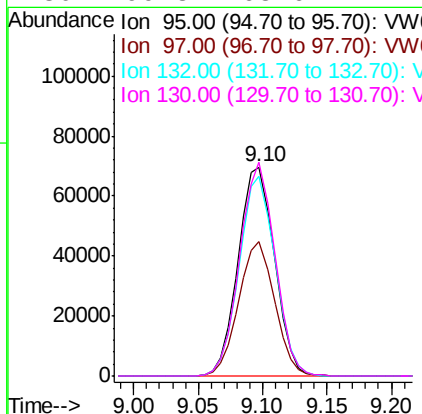
Tot Ion: 96 Resp: 48650
Ion Ratio Lower Upper
96 100
61 128.9 94.6 175.8
98 58.7 44.3 82.3

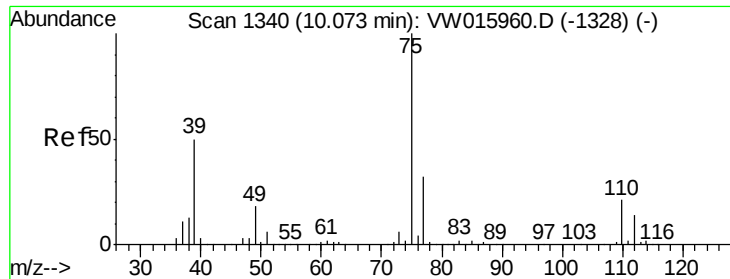


#35

Trichloroethene
Concen: 23.326 ug/L
RT: 9.10 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VW015970.D
Acq: 27 Jul 2020 16:36

Tgt Ion: 95 Resp: 136335
Ion Ratio Lower Upper
95 100
97 63.7 44.4 82.4
132 94.9 65.1 120.9
130 99.3 68.6 127.4





#42

cis-1,3-Dichloropropene

Concen: 0.396 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW015970.D

Acq: 27 Jul 2020 16:36

Instrument :

MSVOA_W

ClientSampleId :

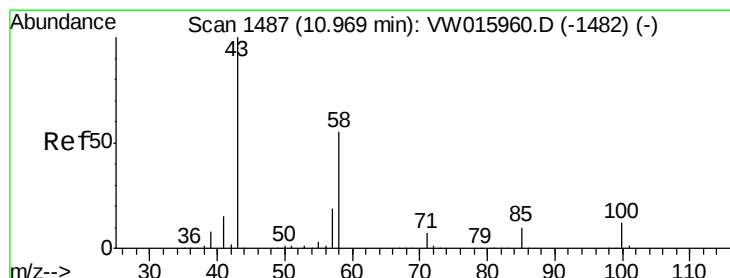
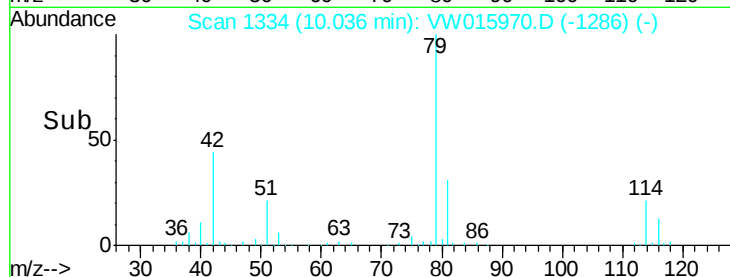
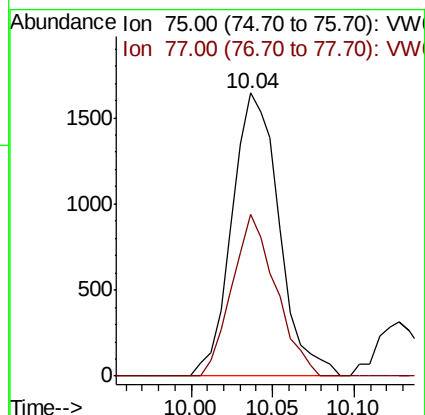
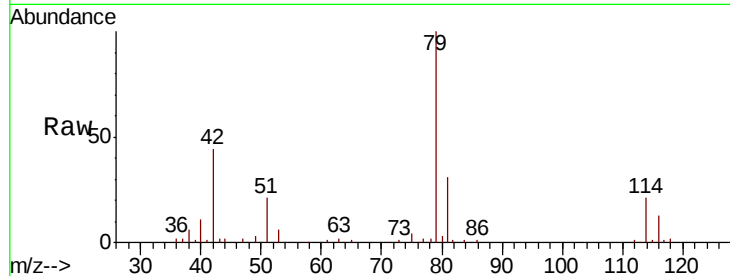
GAY34

Tot Ion: 75 Resp: 3305

Ion Ratio Lower Upper

75 100

77 57.1 22.2 41.2#



#49

2-Hexanone

Concen: 4.651 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW015970.D

Acq: 27 Jul 2020 16:36

Tgt Ion: 43 Resp: 10545

Ion Ratio Lower Upper

43 100

58 27.5 42.4 63.6#

57 27.8 15.6 23.4#

100 3.3 9.8 14.6#

