

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072720\
 Data File : VW015971.D
 Acq On : 27 Jul 2020 16:59
 Operator : SY/VA
 Sample : L3458-07
 Misc : 4.89G/10ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAY35

Quant Time: Jul 28 01:39:38 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	442250	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	414095	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	195273	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	102981	16.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.00%
7) Chloroethane-d5	2.89	69	83301	16.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.76%
10) 1,1-Dichloroethene-d2	4.01	63	155257	12.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	49.24%
20) 2-Butanone-d5	7.09	46	111785	68.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	136.38%#
24) Chloroform-d	7.65	84	214091	17.24	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	68.96%
26) 1,2-Dichloroethane-d4	8.31	65	136623	20.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	80.16%
29) Benzene-d6	8.28	84	430157	17.07	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	68.28%
33) 1,2-Dichloropropane-d6	9.28	67	138992	18.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	73.56%
37) Toluene-d8	10.33	98	378682	16.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	66.36%
38) trans-1,3-Dichloropropene-	10.58	79	62164	19.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.20%
39) 2-Hexanone-d5	10.93	63	90001	71.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	143.06%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	157477	27.11	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.44%
61) 1,2-Dichlorobenzene-d4	13.86	152	142715	18.74	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	74.96%#

Target Compounds

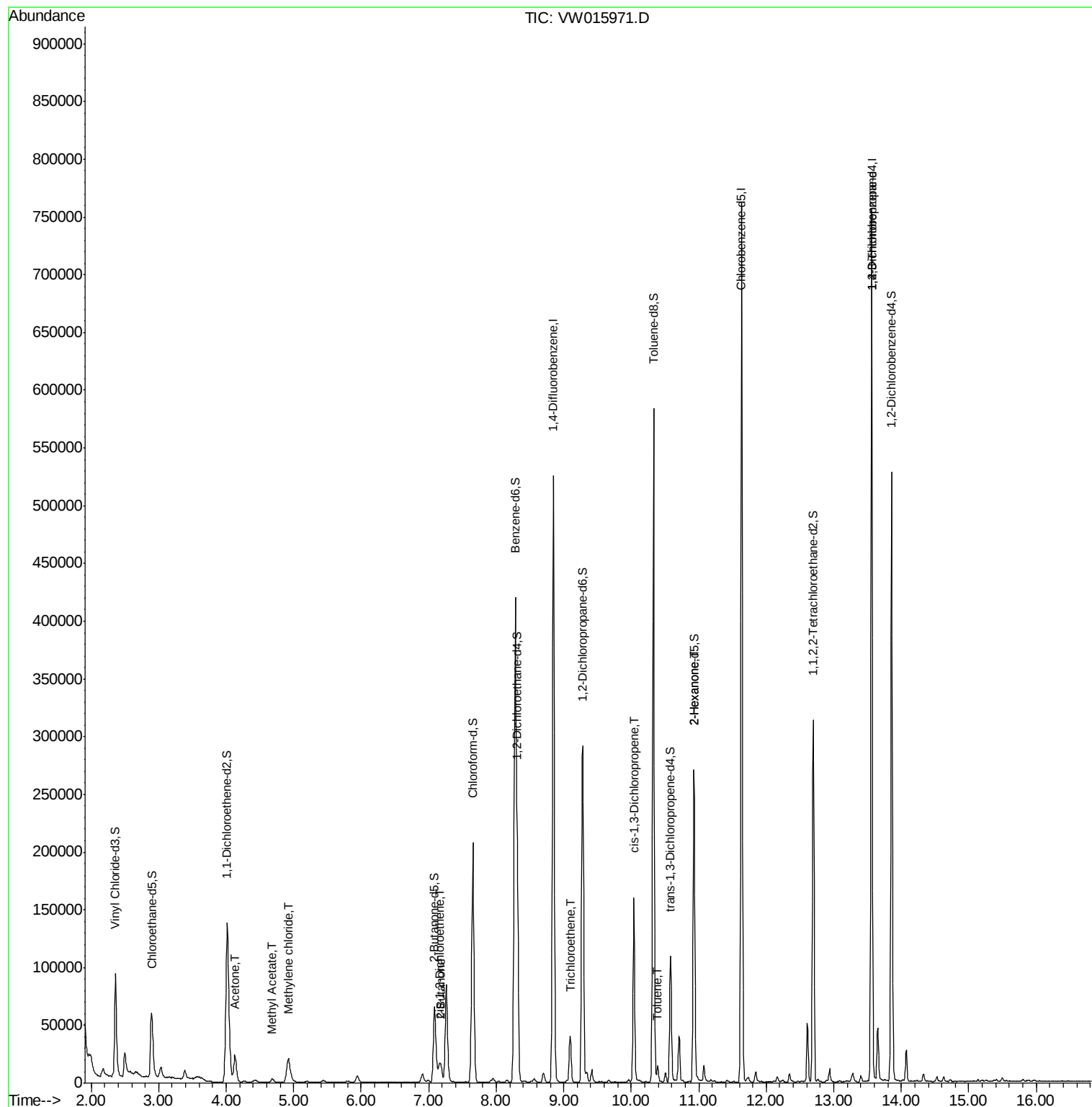
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.14	43	41529	30.167	ug/L	96
15) Methyl Acetate	4.68	43	6444	2.483	ug/L	98
16) Methylene chloride	4.92	84	17190	2.372	ug/L	92
21) 2-Butanone	7.18	43	10812	6.351	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	2665	0.424	ug/L	84
35) Trichloroethene	9.10	95	14221	2.137	ug/L	98
42) cis-1,3-Dichloropropene	10.04	75	3880	0.409	ug/L #	70
44) Toluene	10.40	91	10174	0.386	ug/L	98
49) 2-Hexanone	10.93	43	11477	4.447	ug/L #	70
59) 1,2,3-Trichloropropane	13.56	75	23968	6.080	ug/L	95

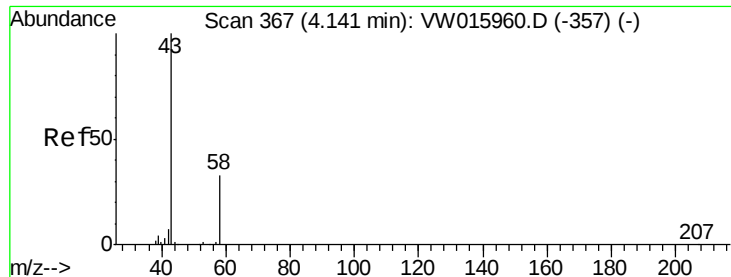
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 30.167 ug/L

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW015971.D

Acq: 27 Jul 2020 16:59

Instrument :

MSVOA_W

ClientSampled :

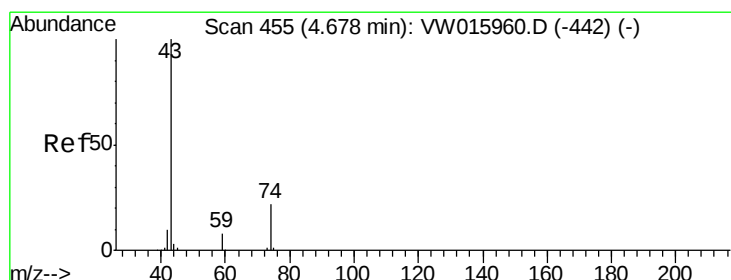
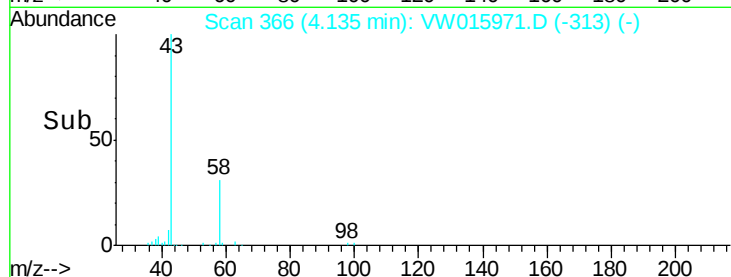
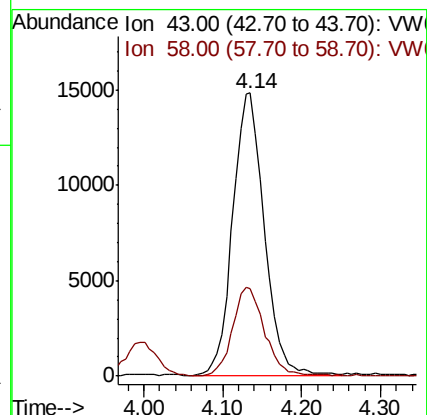
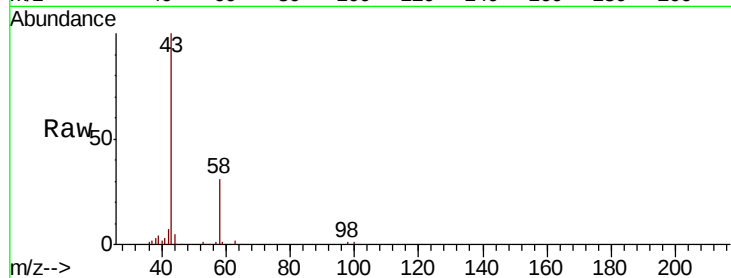
GAY35

Tot Ion: 43 Resp: 41529

Ion Ratio Lower Upper

43 100

58 31.2 0.0 58.2



#15

Methyl Acetate

Concen: 2.483 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW015971.D

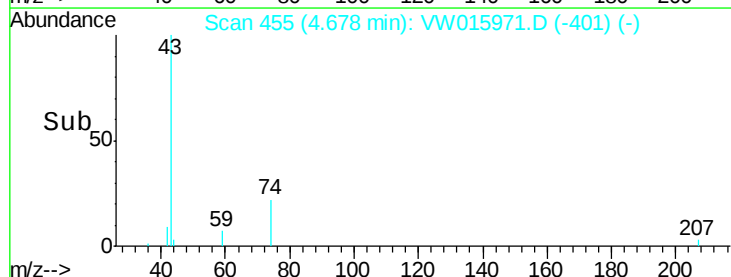
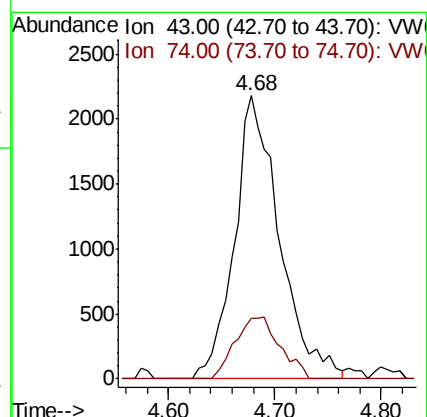
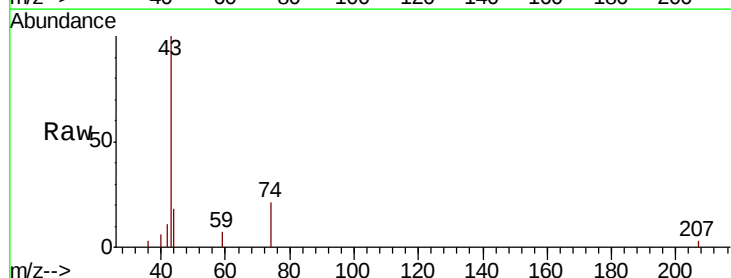
Acq: 27 Jul 2020 16:59

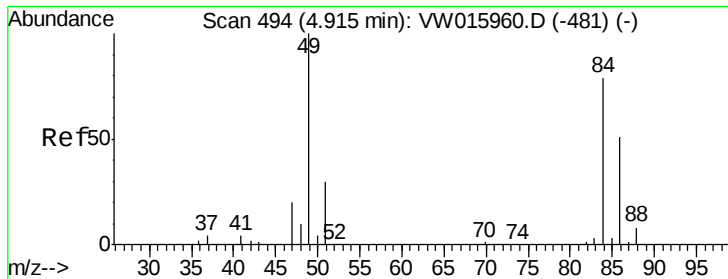
Tgt Ion: 43 Resp: 6444

Ion Ratio Lower Upper

43 100

74 21.7 18.2 27.2

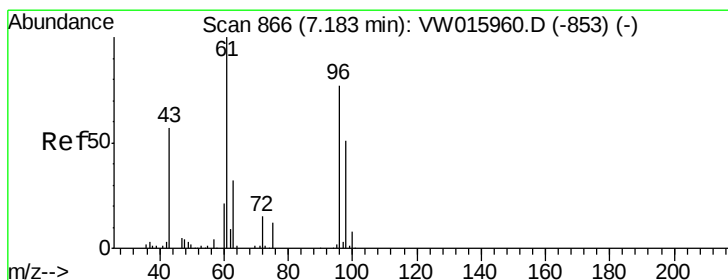
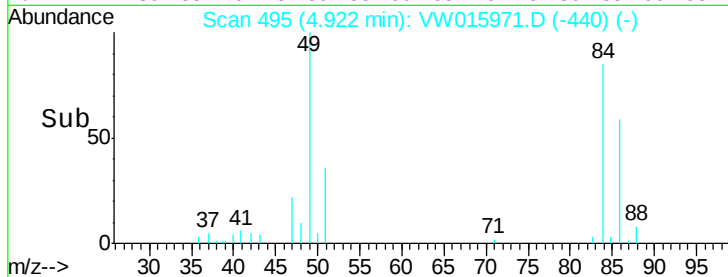
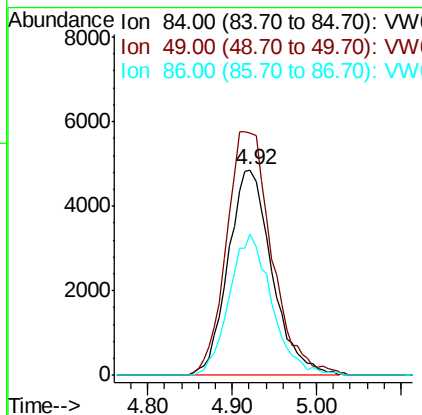
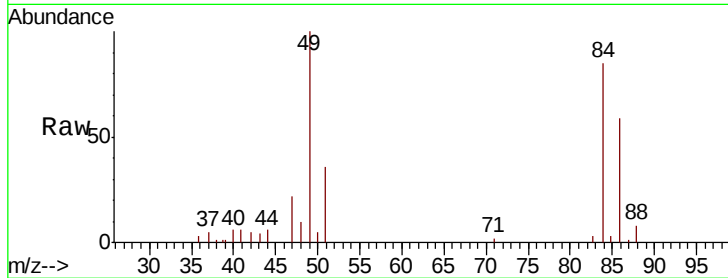




#16
Methvlene chloride
Concen: 2.372 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW015971.D
Acq: 27 Jul 2020 16:59

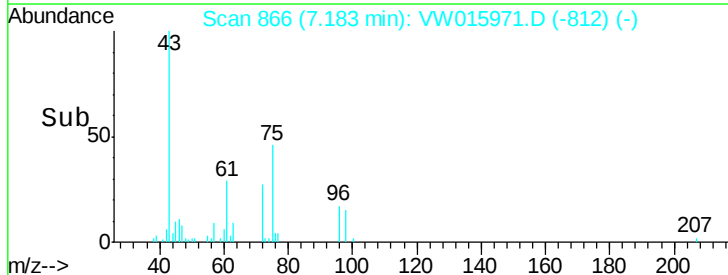
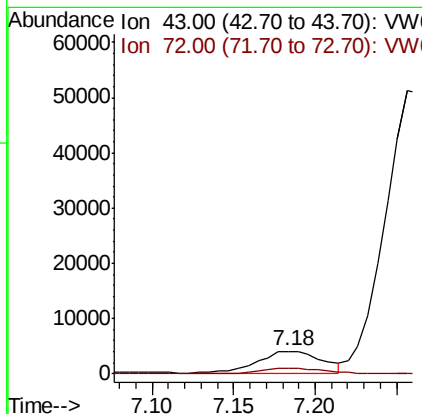
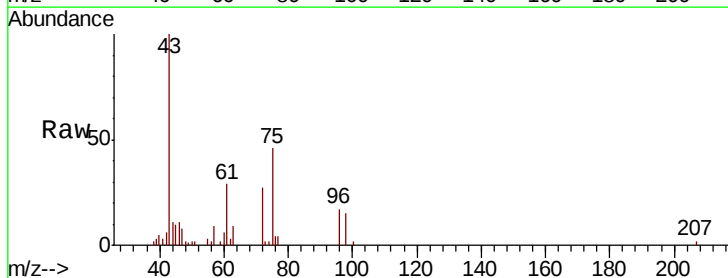
Instrument :
MSVOA_W
ClientSampleId :
GAY35

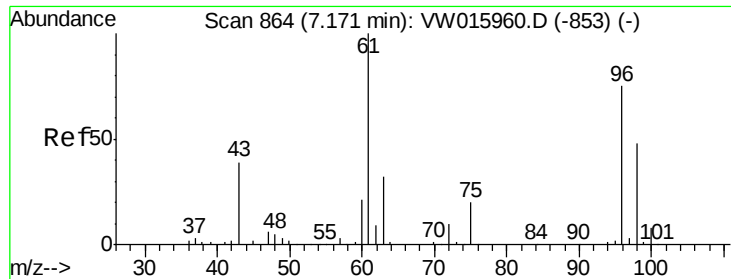
Tot Ion: 84 Resp: 17190
Ion Ratio Lower Upper
84 100
49 117.6 91.1 169.1
86 68.9 46.0 85.4



#21
2-Butanone
Concen: 6.351 ug/L
RT: 7.18 min Scan# 866
Delta R.T. 0.00 min
Lab File: VW015971.D
Acq: 27 Jul 2020 16:59

Tgt Ion: 43 Resp: 10812
Ion Ratio Lower Upper
43 100
72 28.6 13.9 41.7





#22

cis-1,2-Dichloroethene

Concen: 0.424 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015971.D

Acq: 27 Jul 2020 16:59

Instrument :

MSVOA_W

ClientSampleId :

GAY35

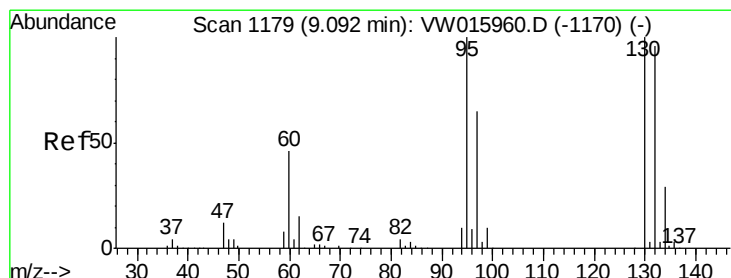
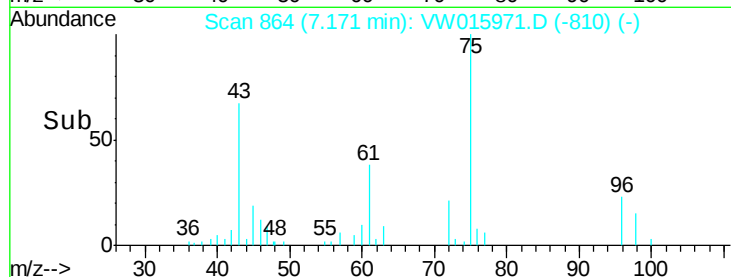
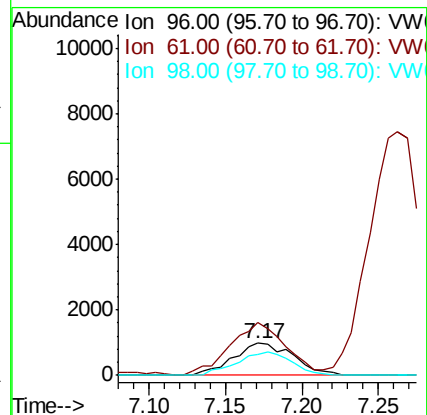
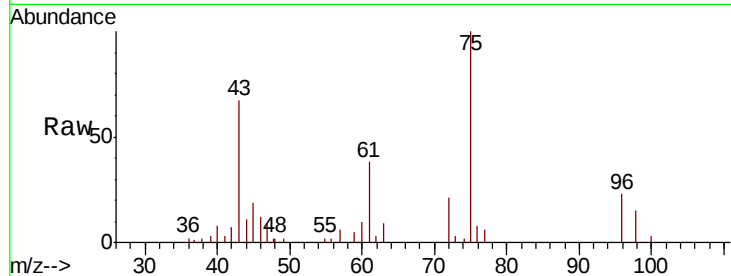
Tot Ion: 96 Resp: 2665

Ion Ratio Lower Upper

96 100

61 162.9 94.6 175.8

98 63.7 44.3 82.3



#35

Trichloroethene

Concen: 2.137 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW015971.D

Acq: 27 Jul 2020 16:59

Tgt Ion: 95 Resp: 14221

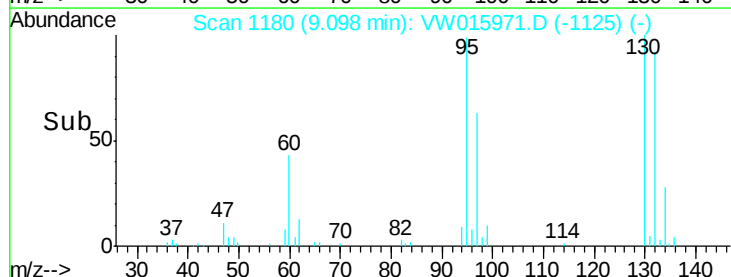
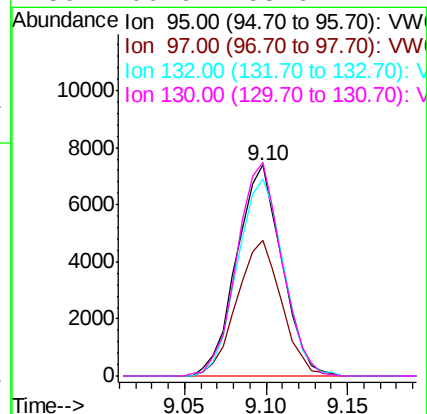
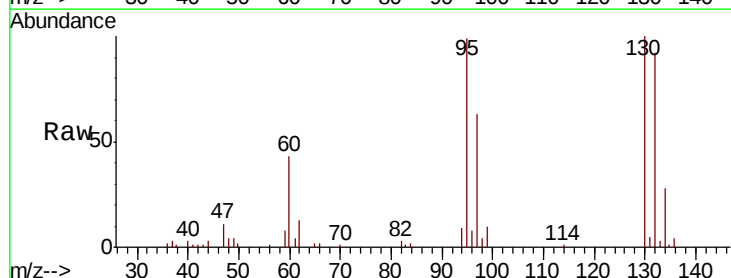
Ion Ratio Lower Upper

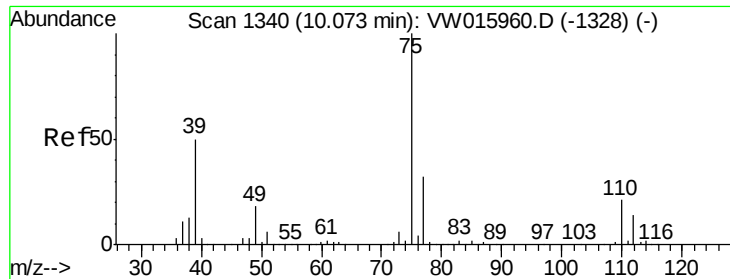
95 100

97 63.8 44.4 82.4

132 95.9 65.1 120.9

130 100.9 68.6 127.4





#42

cis-1,3-Dichloropropene

Concen: 0.409 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW015971.D

Acq: 27 Jul 2020 16:59

Instrument :

MSVOA_W

ClientSampleId :

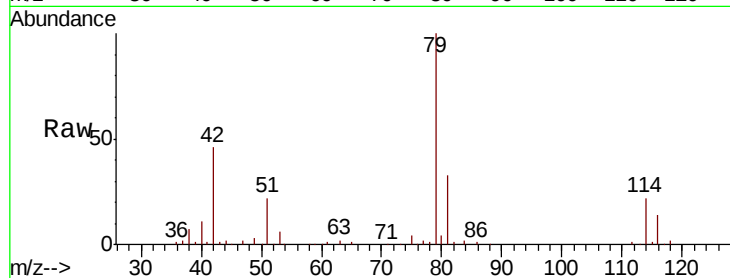
GAY35

Tot Ion: 75 Resp: 3880

Ion Ratio Lower Upper

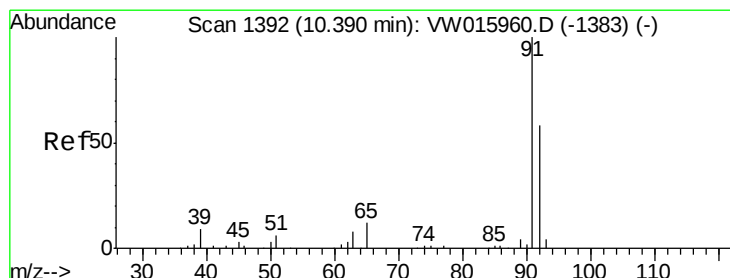
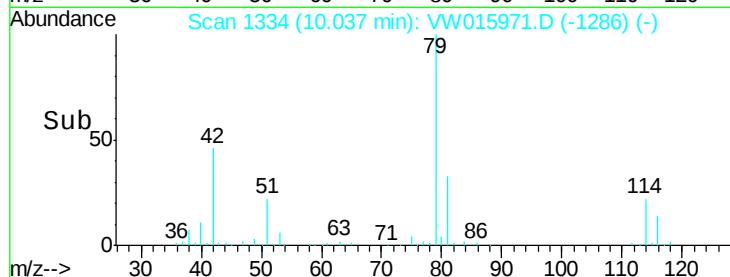
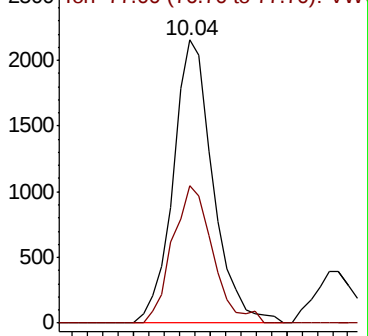
75 100

77 48.6 22.2 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#44

Toluene

Concen: 0.386 ug/L

RT: 10.40 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW015971.D

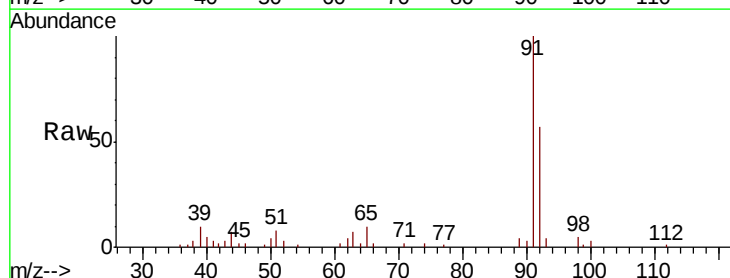
Acq: 27 Jul 2020 16:59

Tgt Ion: 91 Resp: 10174

Ion Ratio Lower Upper

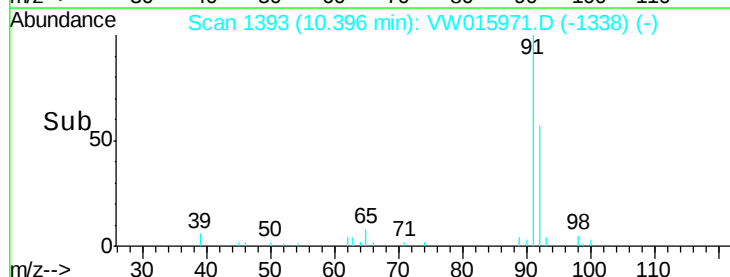
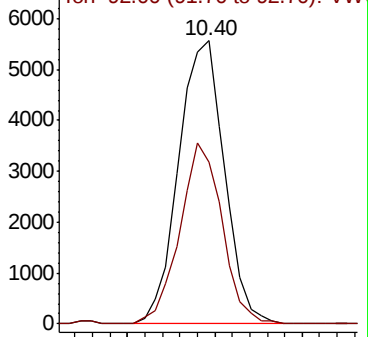
91 100

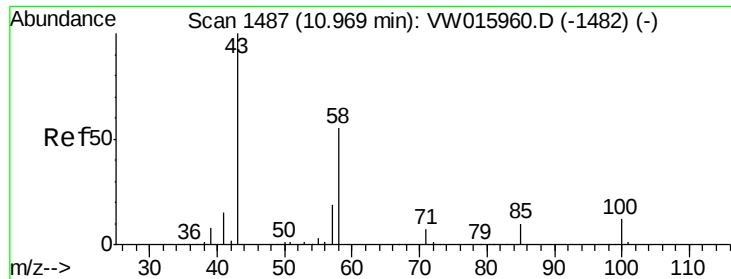
92 57.3 41.2 76.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW





#49

2-Hexanone

Concen: 4.447 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW015971.D

Acq: 27 Jul 2020 16:59

Instrument :

MSVOA_W

ClientSampleId :

GAY35

Tot Ion: 43 Resp: 11477

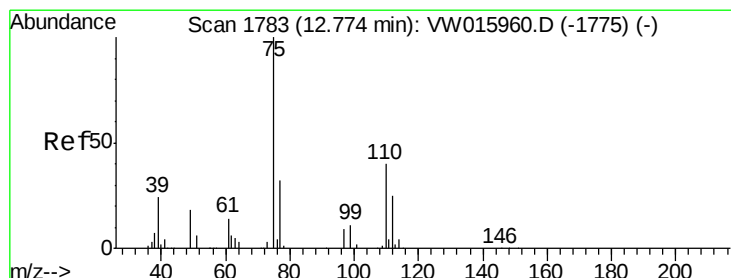
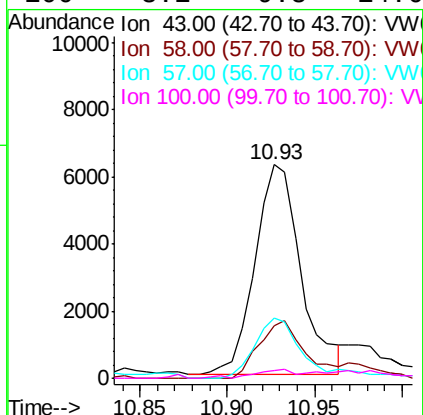
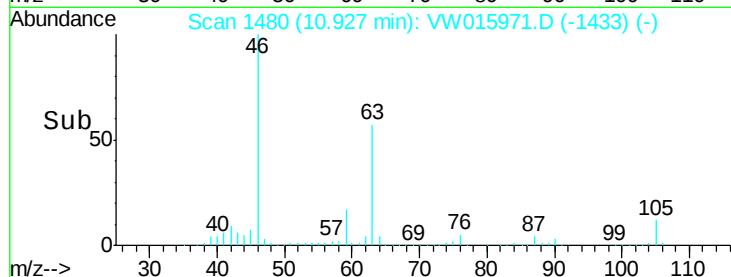
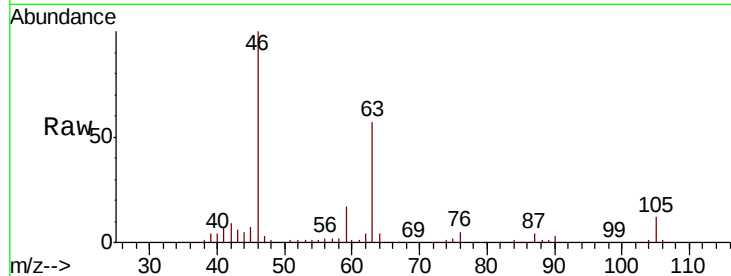
Ion Ratio Lower Upper

43 100

58 27.2 42.4 63.6#

57 27.1 15.6 23.4#

100 3.1 9.8 14.6#



#59

1,2,3-Trichloropropane

Concen: 6.080 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW015971.D

Acq: 27 Jul 2020 16:59

Tgt Ion: 75 Resp: 23968

Ion Ratio Lower Upper

75 100

77 35.5 26.0 39.0

