

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072720\
 Data File : VW015965.D
 Acq On : 27 Jul 2020 12:32
 Operator : SY/VA
 Sample : L3458-04
 Misc : 5.73G/10ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAY32

Quant Time: Jul 28 01:38:16 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	103758	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	92651	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	33422	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	32432	22.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.60%
7) Chloroethane-d5	2.89	69	26523	22.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.20%
10) 1,1-Dichloroethene-d2	4.02	63	45669	15.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.72%
20) 2-Butanone-d5	7.09	46	32769	85.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	170.42%#
24) Chloroform-d	7.65	84	53864	18.48	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	73.92%
26) 1,2-Dichloroethane-d4	8.31	65	32237	20.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	80.60%
29) Benzene-d6	8.28	84	109840	19.48	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	77.92%
33) 1,2-Dichloropropane-d6	9.28	67	33933	20.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	80.28%
37) Toluene-d8	10.33	98	90893	17.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	71.16%
38) trans-1,3-Dichloropropene-	10.59	79	13330	18.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	74.00%
39) 2-Hexanone-d5	10.93	63	21484	76.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	152.64%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	37607	28.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	115.76%
61) 1,2-Dichlorobenzene-d4	13.86	152	27572	21.16	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.64%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	2.35	50	457	0.430	ug/L	93
13) Acetone	4.13	43	5249	16.252	ug/L	97
15) Methyl Acetate	4.68	43	1370	2.250	ug/L	93
16) Methylene chloride	4.92	84	3970	2.335	ug/L	86
27) 1,2-Dichloroethane	8.28	62	596	0.341	ug/L #	76
30) Cyclohexane	7.96	56	1943	0.832	ug/L #	76
34) Benzene	8.33	78	3467	0.616	ug/L	100
35) Trichloroethene	8.85	95	3072	2.064	ug/L #	6
36) Methylcyclohexane	9.34	83	2996	1.173	ug/L #	87
41) Bromodichloromethane	9.34	83	2287	1.270	ug/L #	26
42) cis-1,3-Dichloropropene	10.04	75	820	0.386	ug/L #	52
44) Toluene	10.40	91	7462	1.264	ug/L	92
49) 2-Hexanone	10.93	43	3317	5.744	ug/L #	67
53) Ethylbenzene	11.73	91	2753	0.415	ug/L	99
54) m,p-Xylene	11.84	106	1467	0.591	ug/L	84

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Quant Title : VOC Analysis
QLast Update : Tue Jul 28 01:36:11 2020
Response via : Initial Calibration

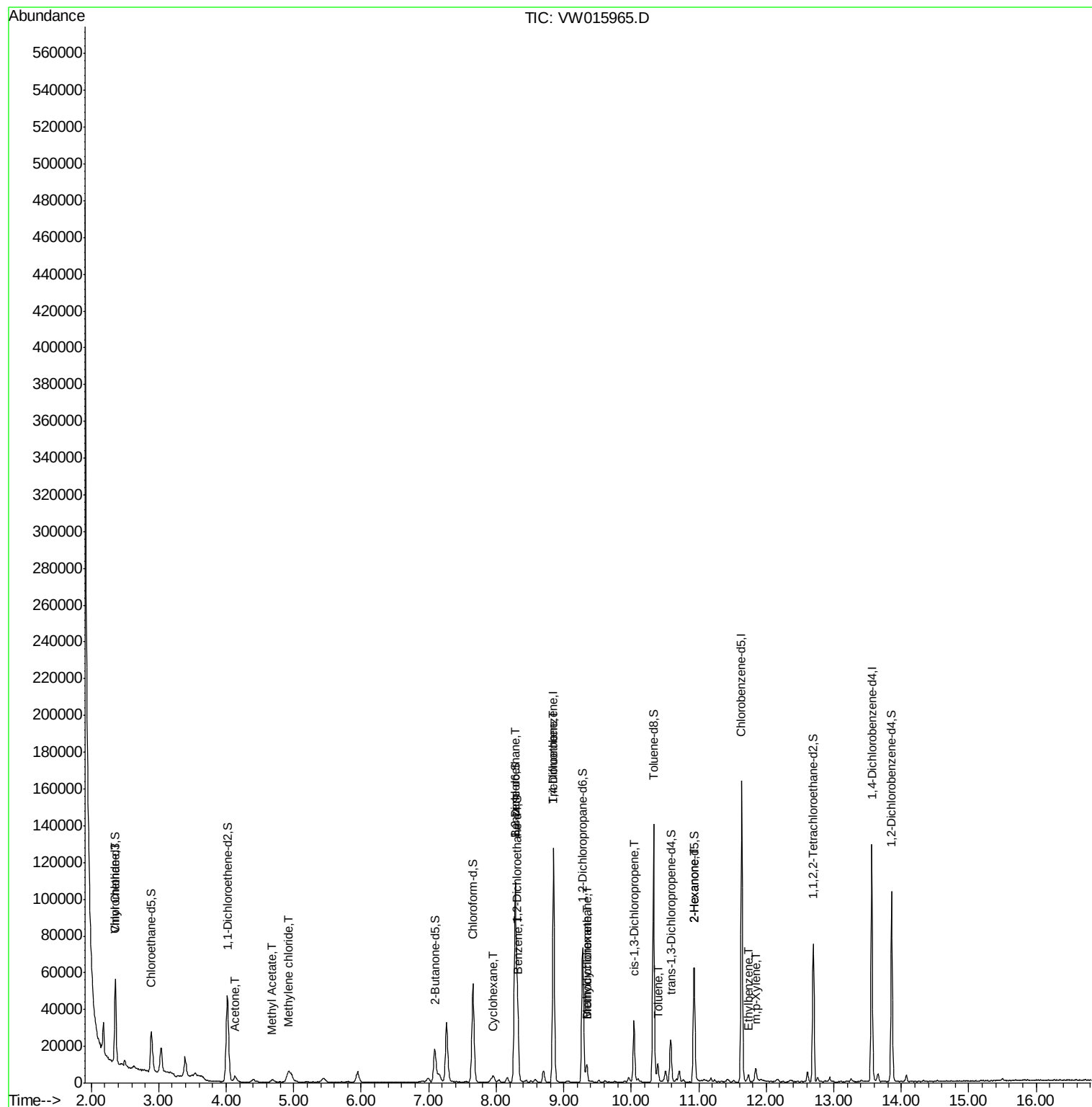
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

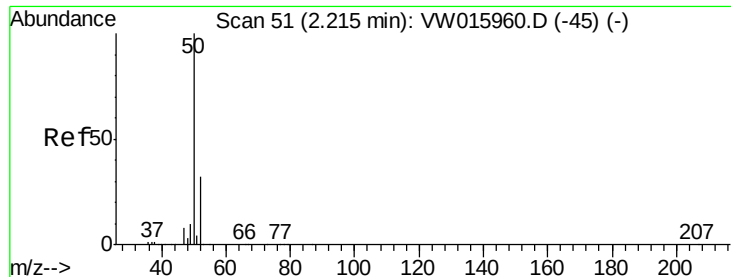
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.430 ug/L

RT: 2.35 min Scan# 74

Delta R.T. 0.14 min

Lab File: VW015965.D

Acq: 27 Jul 2020 12:32

Instrument :

MSVOA_W

ClientSampleId :

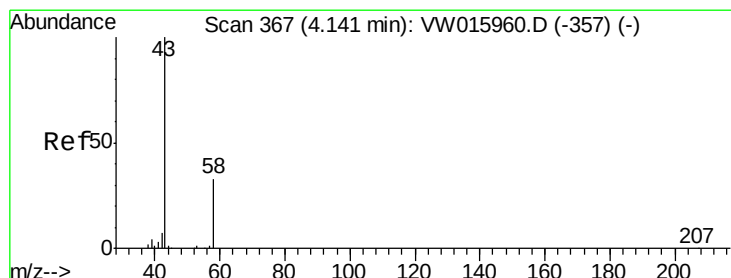
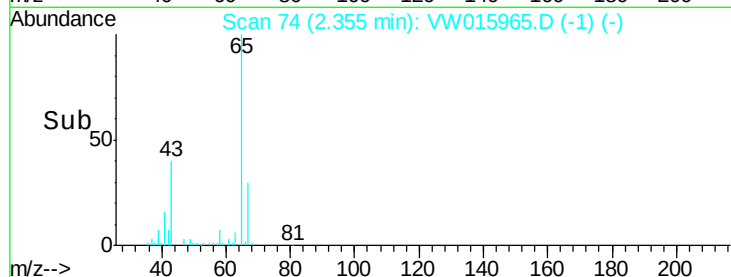
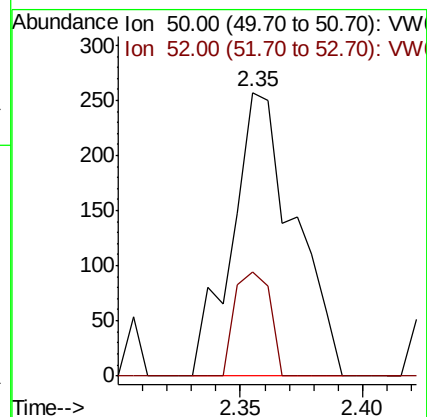
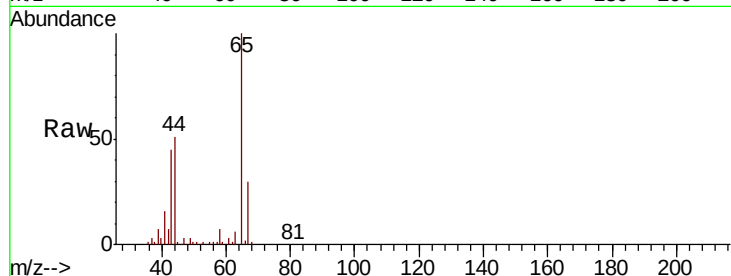
GAY32

Tot Ion: 50 Resp: 457

Ion Ratio Lower Upper

50 100

52 36.6 22.8 42.4



#13

Acetone

Concen: 16.252 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW015965.D

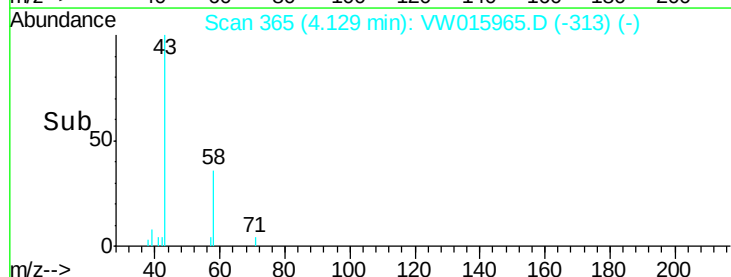
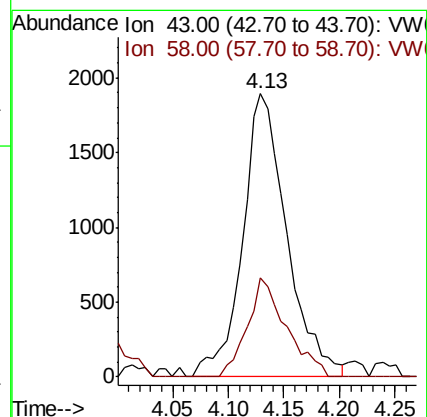
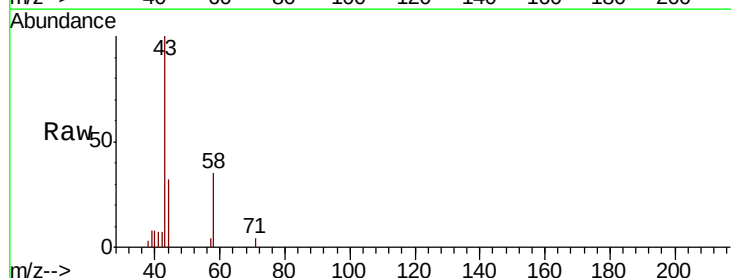
Acq: 27 Jul 2020 12:32

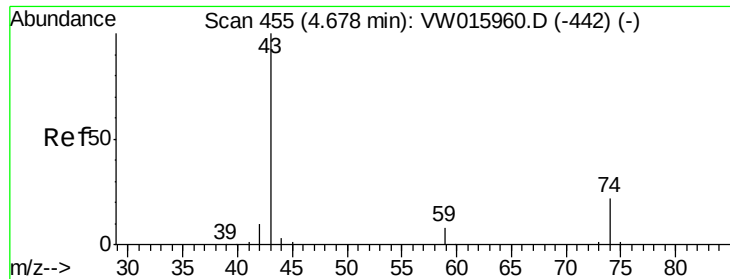
Tgt Ion: 43 Resp: 5249

Ion Ratio Lower Upper

43 100

58 30.7 0.0 58.2

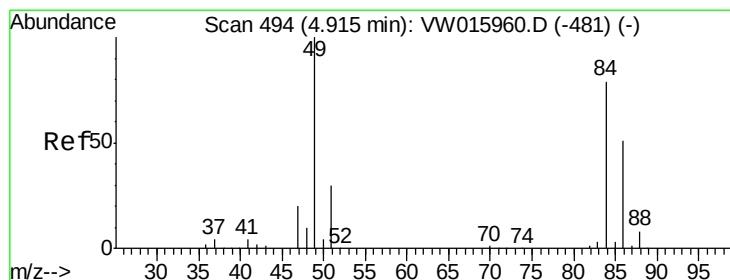
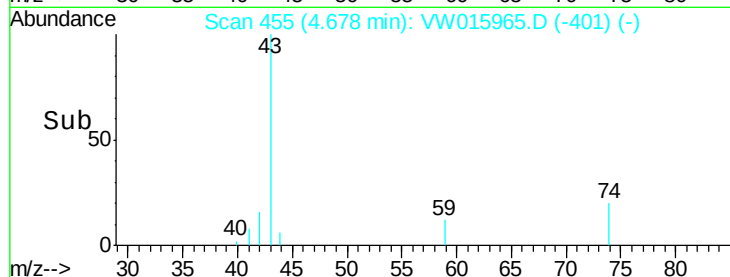
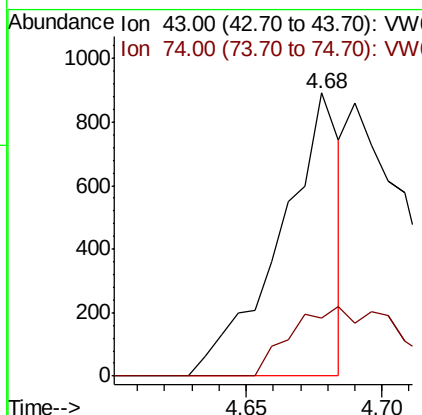
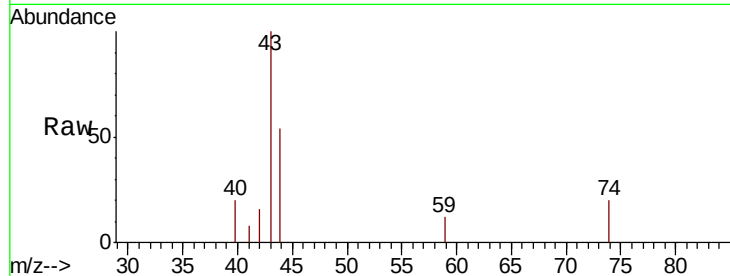




#15
Methyl Acetate
Concen: 2.250 ug/L
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW015965.D
Acq: 27 Jul 2020 12:32

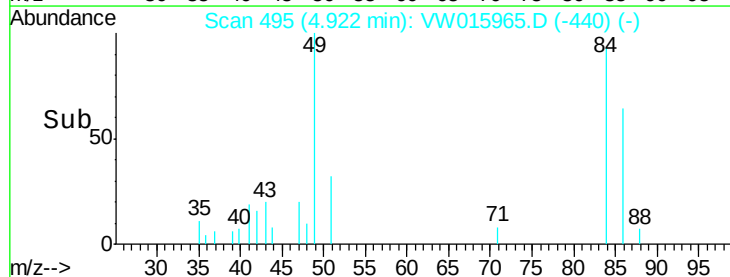
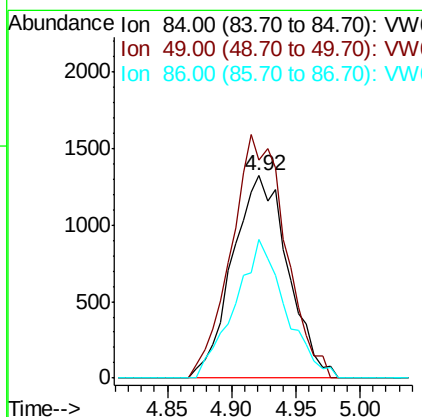
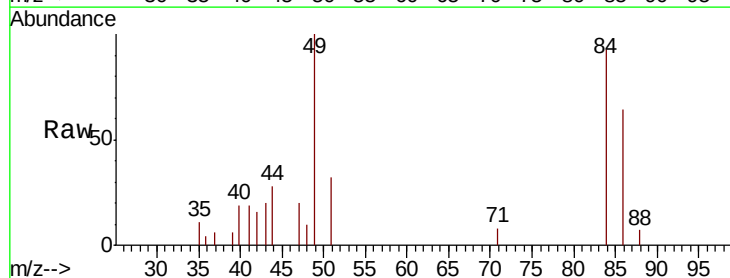
Instrument :
MSVOA_W
ClientSampled :
GAY32

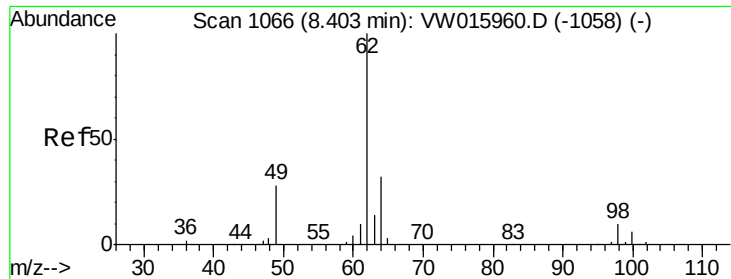
Tot Ion: 43 Resp: 1370
Ion Ratio Lower Upper
43 100
74 26.0 18.2 27.2



#16
Methylene chloride
Concen: 2.335 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW015965.D
Acq: 27 Jul 2020 12:32

Tgt Ion: 84 Resp: 3970
Ion Ratio Lower Upper
84 100
49 107.7 91.1 169.1
86 68.5 46.0 85.4

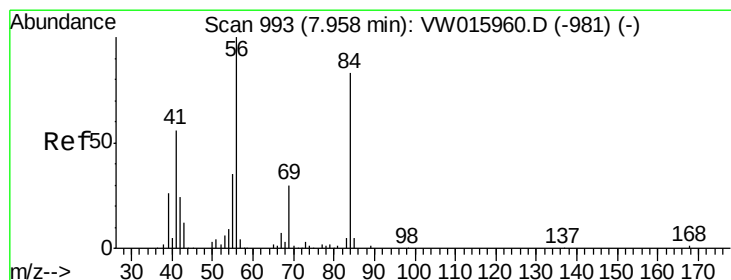
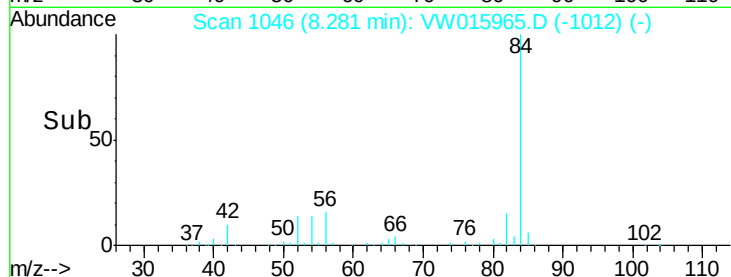
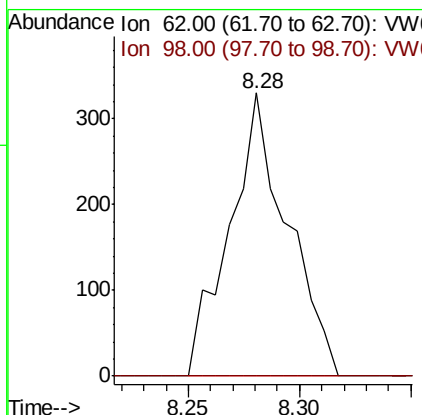
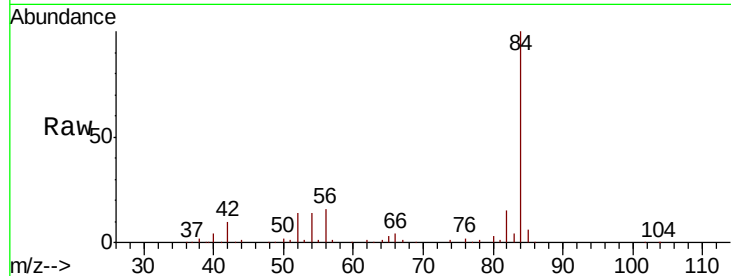




#27
 1,2-Dichloroethane
 Concen: 0.341 ug/L
 RT: 8.28 min Scan# 1046
 Delta R.T. -0.12 min
 Lab File: VW015965.D
 Acq: 27 Jul 2020 12:32

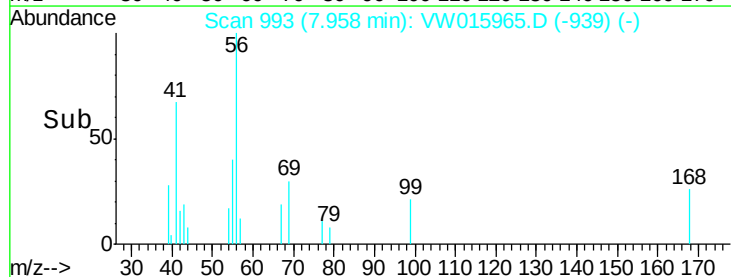
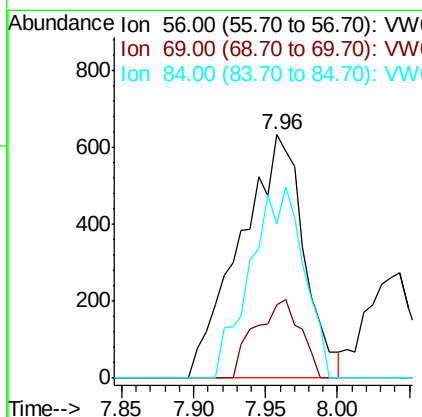
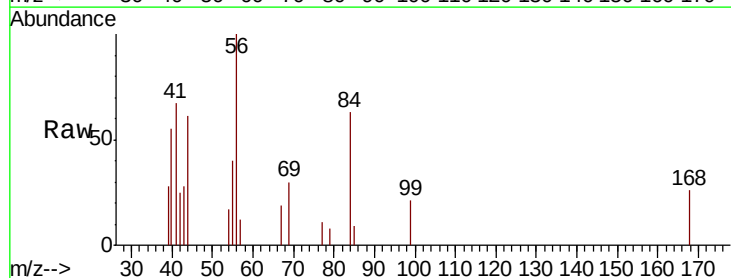
Instrument :
 MSVOA_W
 ClientSampleId :
 GAY32

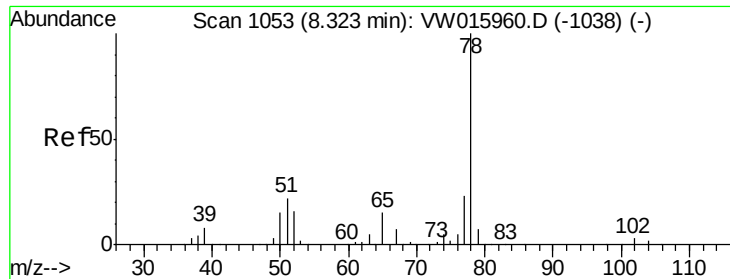
Tot Ion: 62 Resp: 596
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.0 10.6#



#30
 Cyclohexane
 Concen: 0.832 ug/L
 RT: 7.96 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VW015965.D
 Acq: 27 Jul 2020 12:32

Tgt Ion: 56 Resp: 1943
 Ion Ratio Lower Upper
 56 100
 69 22.9 24.4 36.6#
 84 60.8 69.3 103.9#





#34

Benzene

Concen: 0.616 ug/L

RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW015965.D

Acq: 27 Jul 2020 12:32

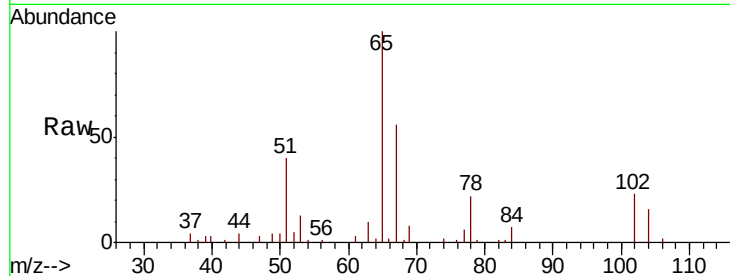
Instrument :

MSVOA_W

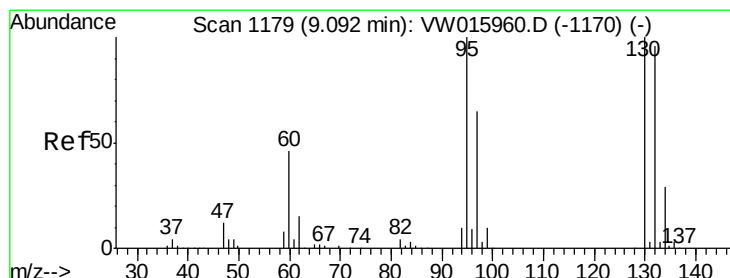
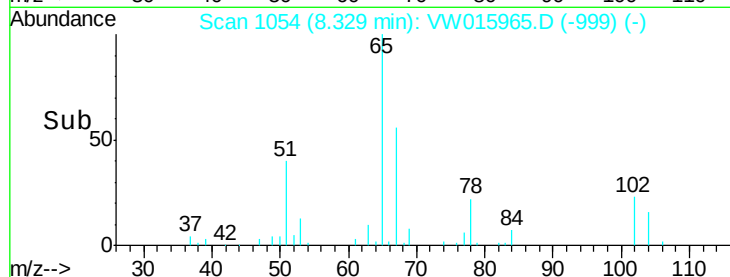
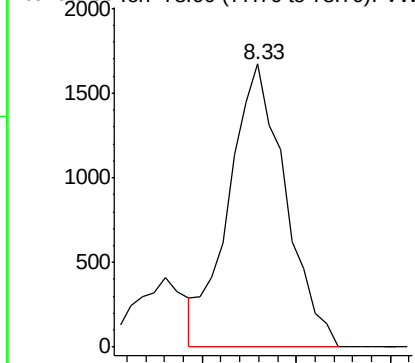
ClientSampled :

GAY32

Tgt Ion: 78 Resp: 3467



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 2.064 ug/L

RT: 8.85 min Scan# 1140

Delta R.T. -0.24 min

Lab File: VW015965.D

Acq: 27 Jul 2020 12:32

Tgt Ion: 95 Resp: 3072

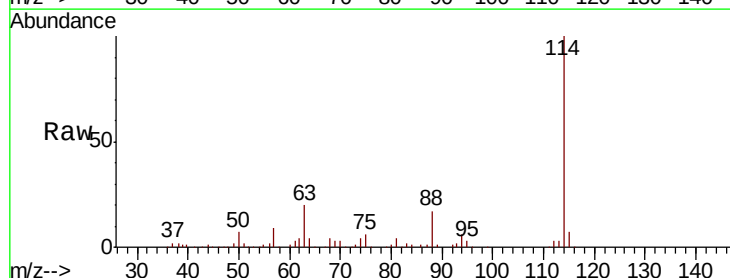
Ion Ratio Lower Upper

95 100

97 0.0 44.4 82.4#

132 0.0 65.1 120.9#

130 0.0 68.6 127.4#

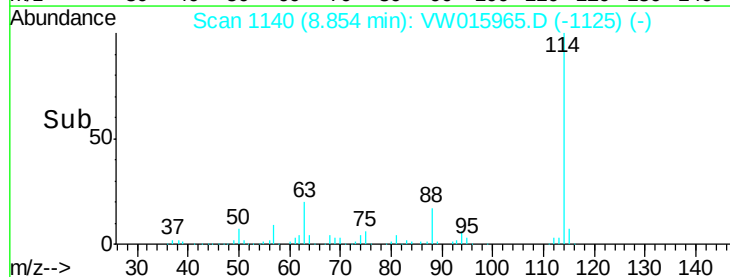
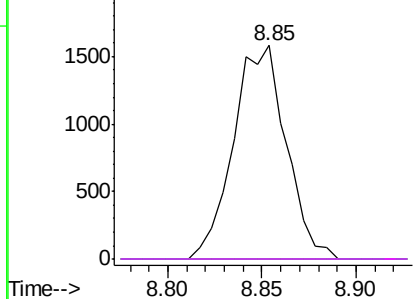


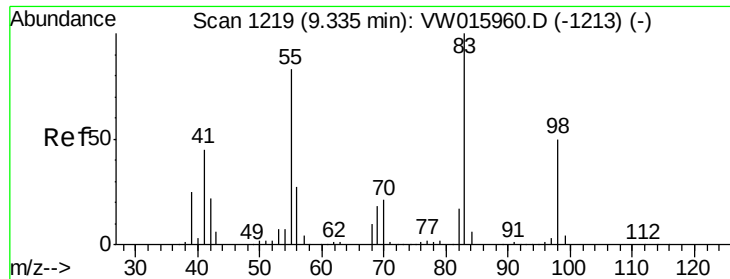
Abundance Ion 95.00 (94.70 to 95.70): VW

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

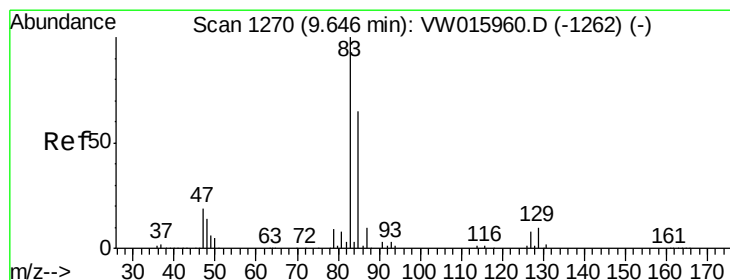
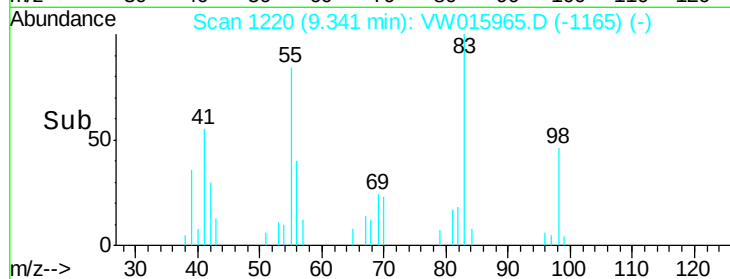
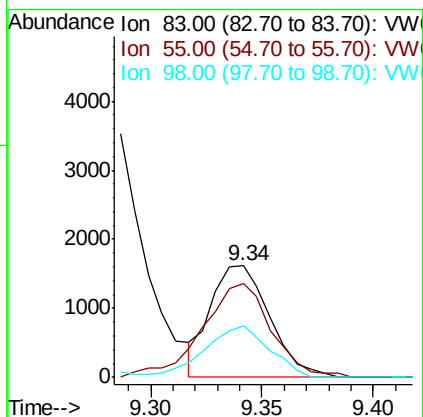
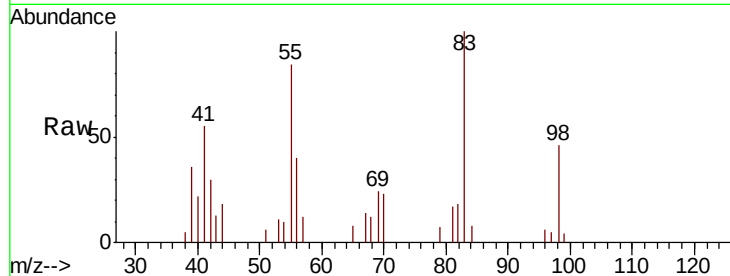




#36
Methylcyclohexane
Concen: 1.173 ug/L
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW015965.D
Acq: 27 Jul 2020 12:32

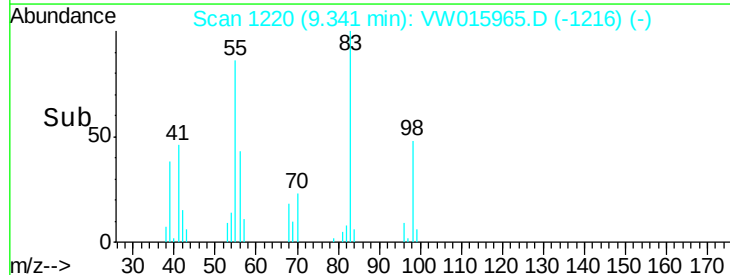
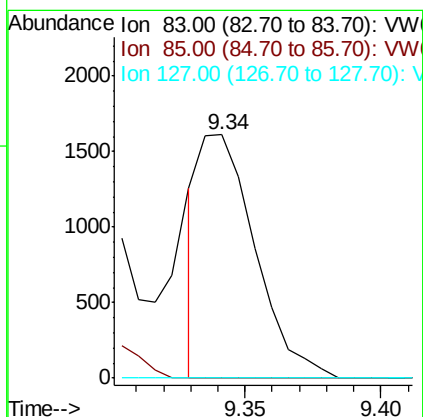
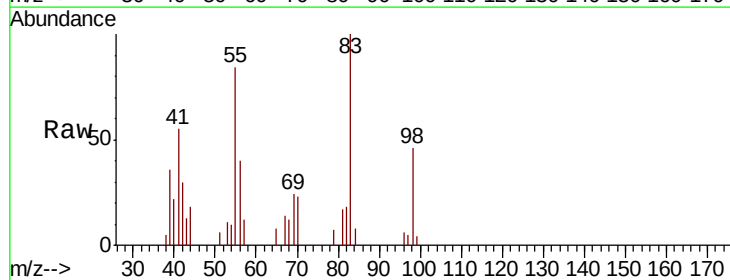
Instrument :
MSVOA_W
ClientSampleID :
GAY32

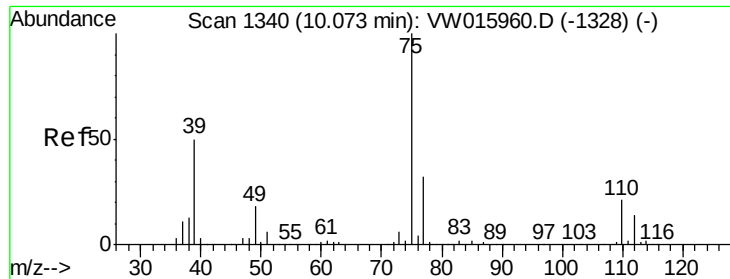
Tot Ion: 83 Resp: 2996
Ion Ratio Lower Upper
83 100
55 97.0 63.5 95.3#
98 49.7 39.0 58.4



#41
Bromodichloromethane
Concen: 1.270 ug/L
RT: 9.34 min Scan# 1220
Delta R.T. -0.30 min
Lab File: VW015965.D
Acq: 27 Jul 2020 12:32

Tgt Ion: 83 Resp: 2287
Ion Ratio Lower Upper
83 100
85 0.0 43.7 81.1#
127 0.0 6.5 9.7#





#42

cis-1,3-Dichloropropene

Concen: 0.386 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.03 min

Lab File: VW015965.D

Acq: 27 Jul 2020 12:32

Instrument :

MSVOA_W

ClientSampleId :

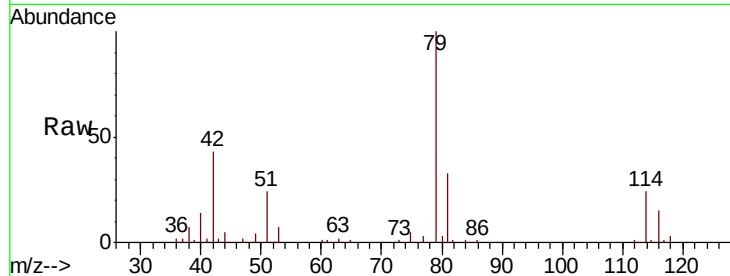
GAY32

Tot Ion: 75 Resp: 820

Ion Ratio Lower Upper

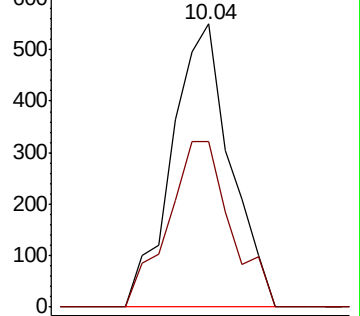
75 100

77 58.4 22.2 41.2#

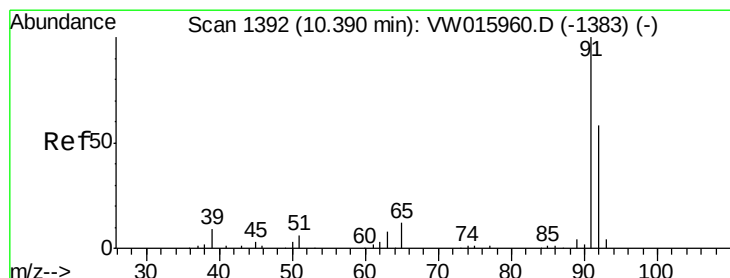
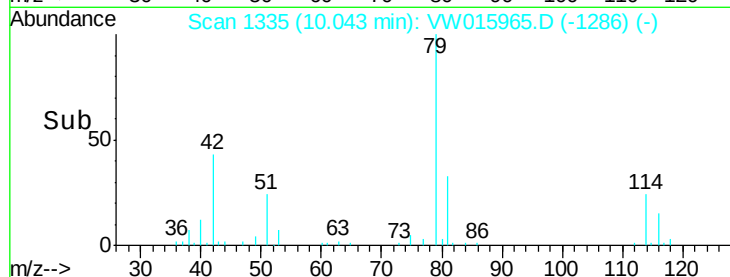


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



Time-->



#44

Toluene

Concen: 1.264 ug/L

RT: 10.40 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW015965.D

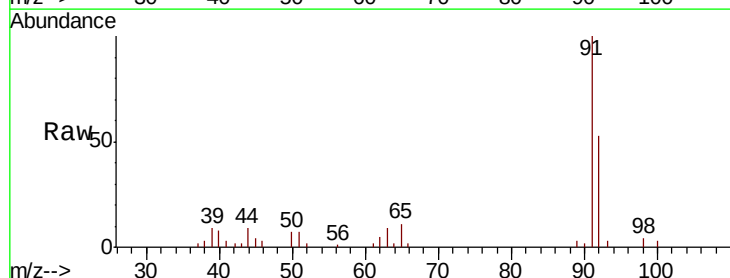
Acq: 27 Jul 2020 12:32

Tgt Ion: 91 Resp: 7462

Ion Ratio Lower Upper

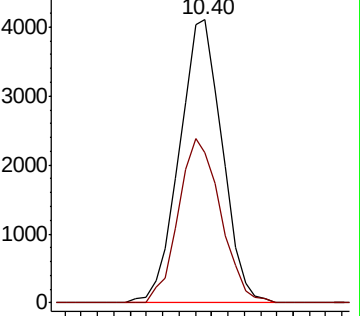
91 100

92 53.1 41.2 76.4

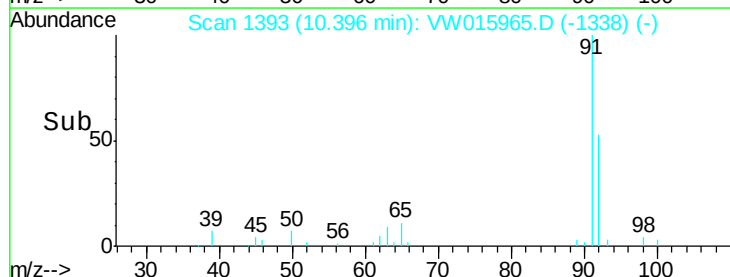


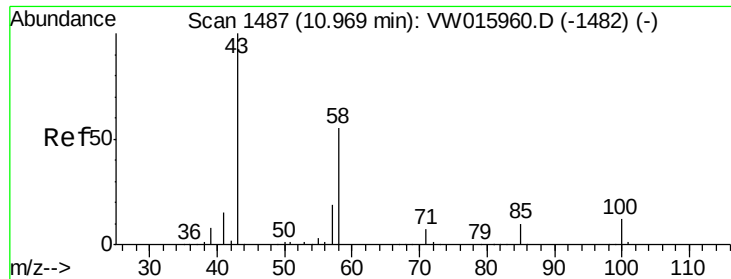
Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



Time-->

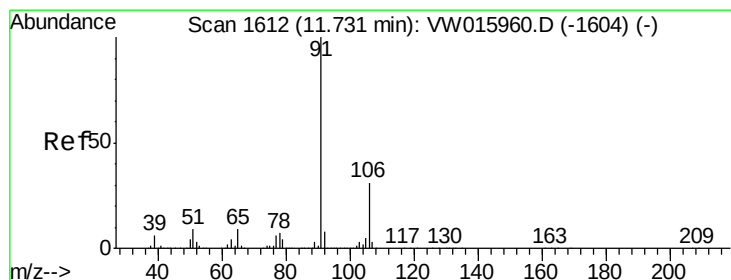
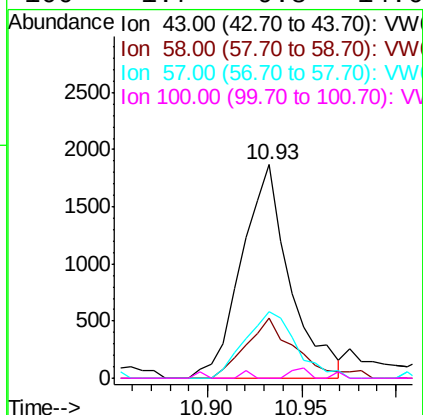
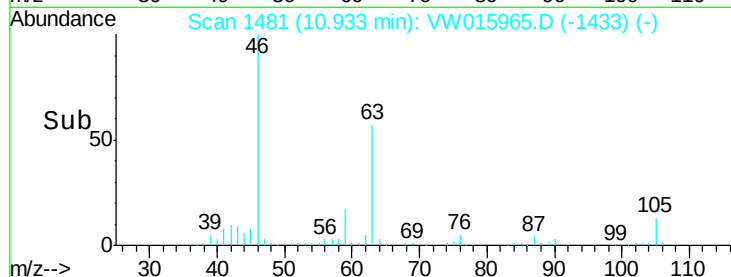
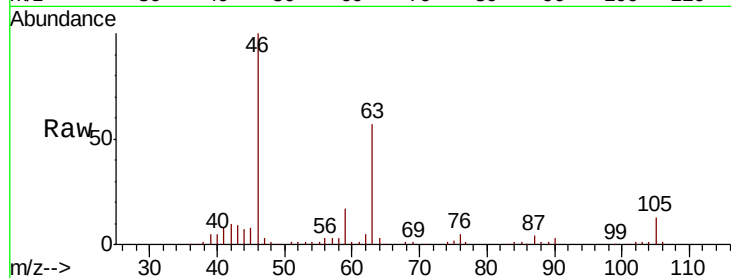




#49
2-Hexanone
Concen: 5.744 ug/L
RT: 10.93 min Scan# 1481
Delta R.T. -0.04 min
Lab File: VW015965.D
Acq: 27 Jul 2020 12:32

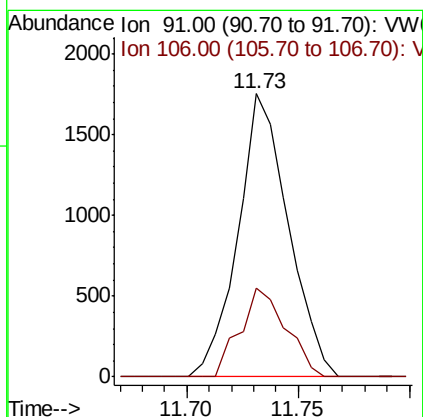
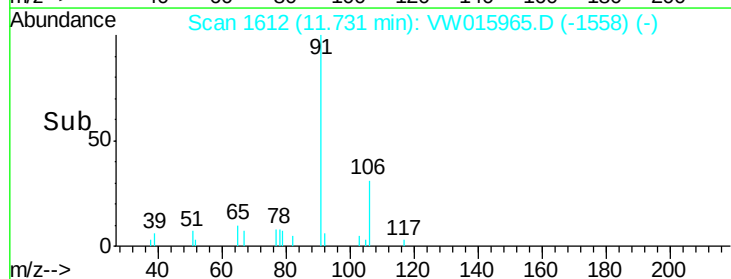
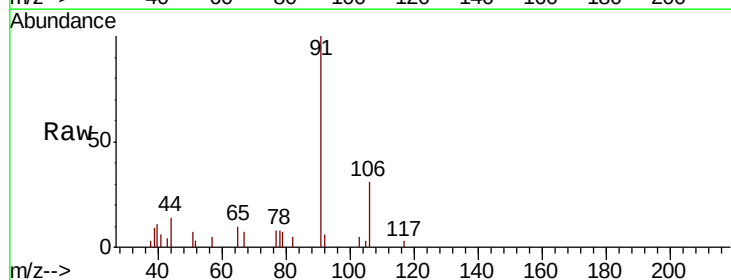
Instrument :
MSVOA_W
ClientSampleId :
GAY32

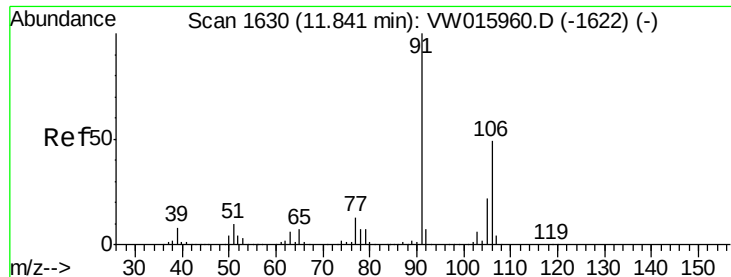
Tot Ion:	43	Resp:	3317
Ion	Ratio	Lower	Upper
43	100		
58	27.9	42.4	63.6#
57	33.2	15.6	23.4#
100	1.7	9.8	14.6#



#53
Ethylbenzene
Concen: 0.415 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015965.D
Acq: 27 Jul 2020 12:32

Tgt Ion:	91	Resp:	2753
Ion	Ratio	Lower	Upper
91	100		
106	31.4	22.4	41.6





#54
 m,p-Xylene
 Concen: 0.591 ug/L
 RT: 11.84 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VW015965.D
 Acq: 27 Jul 2020 12:32

Instrument :
 MSVOA_W
 ClientSampleId :
 GAY32

Tot Ion:106 Resp: 1467
 Ion Ratio Lower Upper
 106 100
 91 181.8 144.1 267.5

