

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092320\
 Data File : VW016612.D
 Acq On : 22 Sep 2020 15:54
 Operator : SY/VA
 Sample : L4109-03
 Misc : 6.28G/10ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3W7

Manual Integrations
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 9/28/2020 3:16:09 PM

Quant Time: Sep 23 08:14:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 23 07:21:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	635402	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	572200	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	285172	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	168660	27.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.68%
7) Chloroethane-d5	2.90	69	146790	29.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	116.92%
10) 1,1-Dichloroethene-d2	4.03	63	303102	22.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.16%
20) 2-Butanone-d5	7.09	46	76476	45.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.22%
24) Chloroform-d	7.65	84	374478m	28.17	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	112.68%
26) 1,2-Dichloroethane-d4	8.31	65	194789	28.55	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	114.20%
29) Benzene-d6	8.28	84	738202	28.77	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	115.08%
33) 1,2-Dichloropropane-d6	9.28	67	204393	29.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	117.56%
37) Toluene-d8	10.33	98	710189	28.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	112.52%
38) trans-1,3-Dichloropropene-	10.58	79	89998	25.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.68%
39) 2-Hexanone-d5	10.93	63	62730	49.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.18%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	151395	25.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.36%
61) 1,2-Dichlorobenzene-d4	13.86	152	258898	28.41	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	113.64%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	2.37	62	3368	0.397	ug/L #	1
12) 1,1-Dichloroethene	4.06	96	80773	10.036	ug/L #	55
13) Acetone	4.15	43	8866	6.750	ug/L	95
14) Carbon disulfide	4.40	76	6161	0.254	ug/L	97
16) Methylene chloride	4.93	84	50843	5.188	ug/L	97
18) trans-1,2-Dichloroethene	5.45	96	3372	0.405	ug/L	96
19) 1,1-Dichloroethane	6.23	63	63958	4.852	ug/L	99
22) cis-1,2-Dichloroethene	7.18	96	783359	90.583	ug/L	98
30) Cyclohexane	7.96	56	52855	4.227	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	1098405	82.193	ug/L	100
44) Toluene	10.39	91	8836105	256.220	ug/L	92
52) Chlorobenzene	11.66	112	12523	0.541	ug/L	96
53) Ethylbenzene	11.73	91	196005	5.006	ug/L	97
54) m,p-Xylene	11.84	106	287602	18.759	ug/L	99
55) o-xylene	12.17	106	153999	10.485	ug/L	94
57) Isopropylbenzene	12.47	105	44032	1.097	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	7713	0.465	ug/L #	84

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 23 07:21:48 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

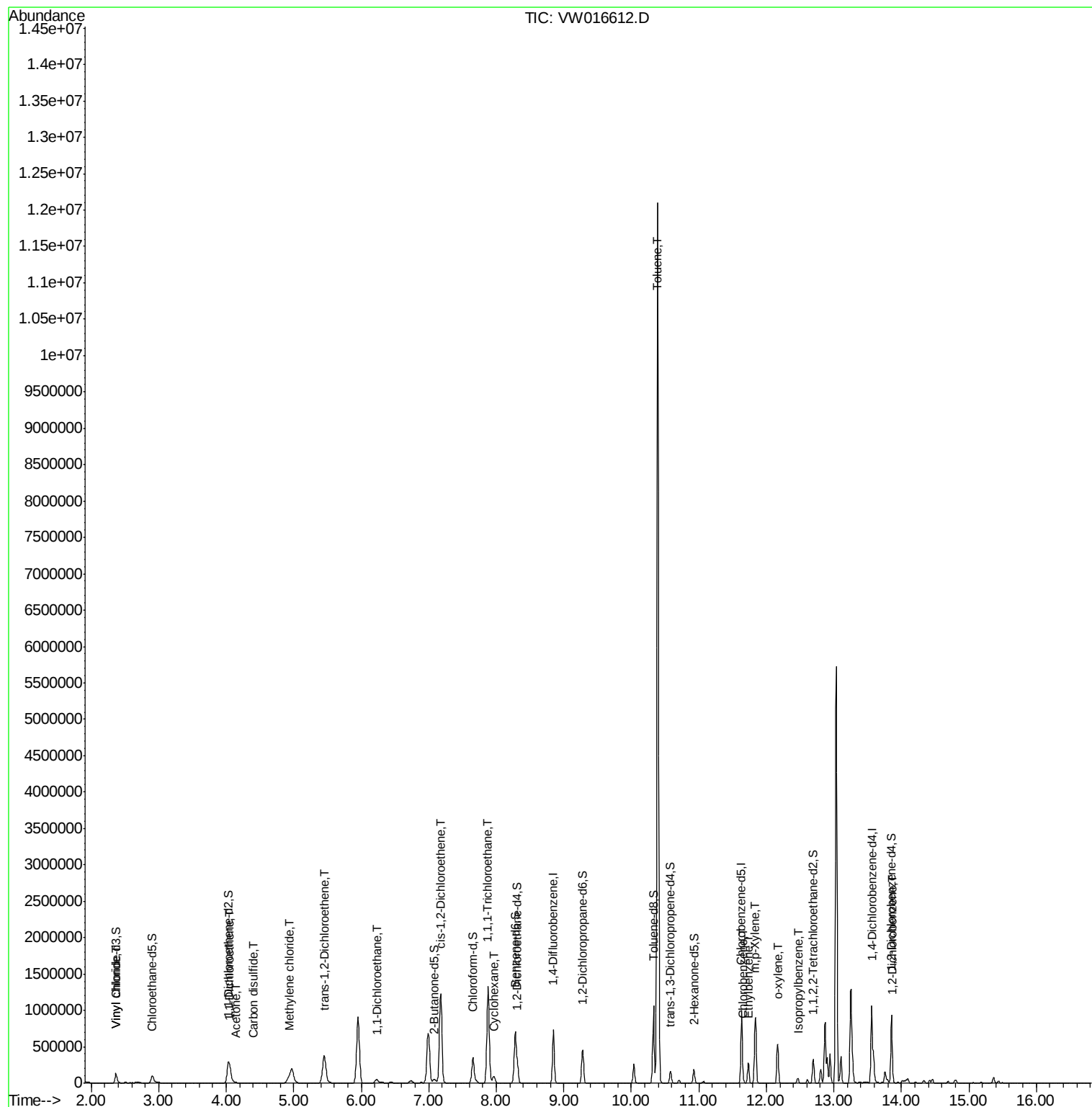
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Data File : VW016612.D
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Operator : SY/VA
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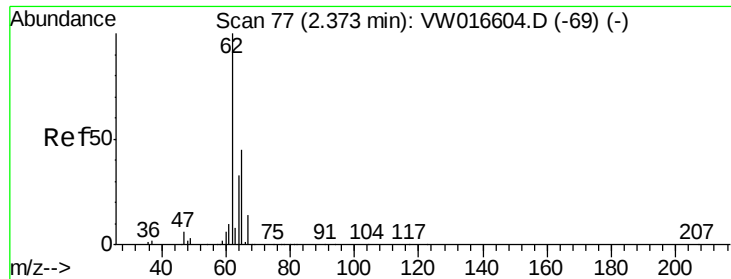
Instrument :
MSVOA_W
ClientSampleId :
BG3W7

Manual Integrations
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Quant Time: Sep 23 08:14:32 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 23 07:21:48 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.397 ug/L

RT: 2.37 min Scan# 77

Delta R.T. -0.00 min

Lab File: VW016612.D

Acq: 22 Sep 2020 15:54

Instrument :

MSVOA_W

ClientSampleId :

BG3W7

Tot Ion: 62 Resp: 3368

Ion Ratio Lower Upper

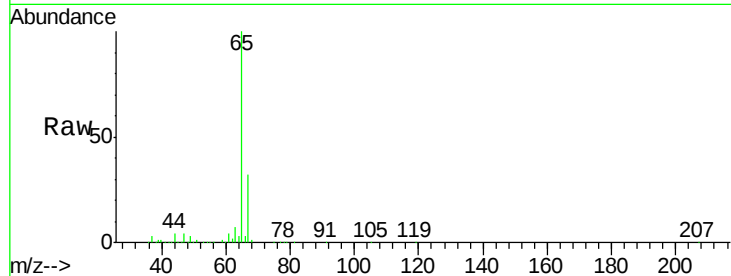
62 100

64 128.4 23.4 43.4#

Manual Integrations
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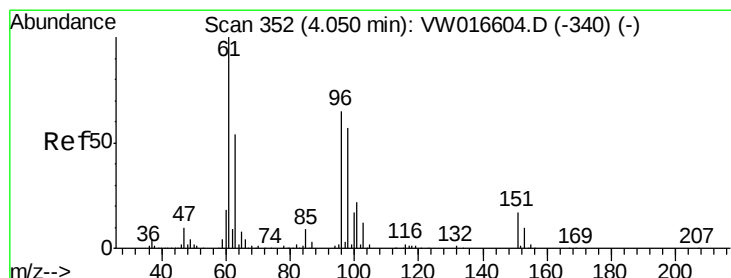
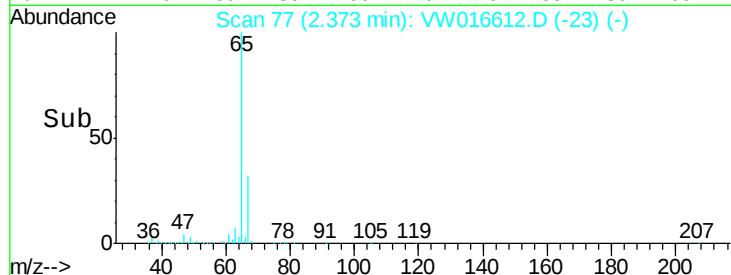
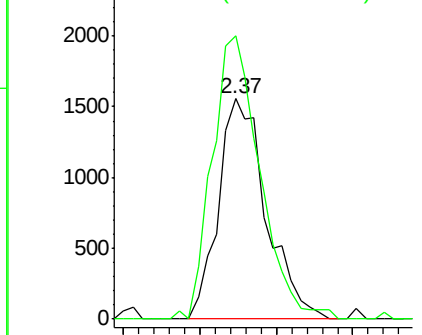
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Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#12

1,1-Dichloroethene

Concen: 10.036 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW016612.D

Acq: 22 Sep 2020 15:54

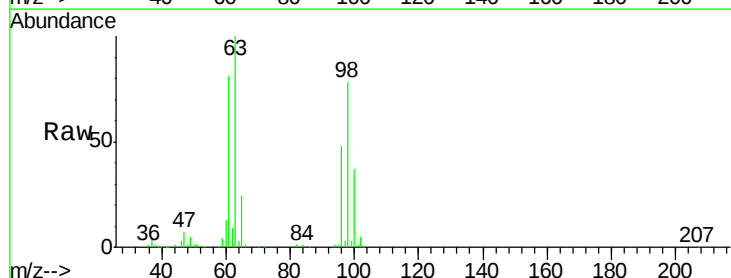
Tgt Ion: 96 Resp: 80773

Ion Ratio Lower Upper

96 100

61 169.1 111.4 206.8

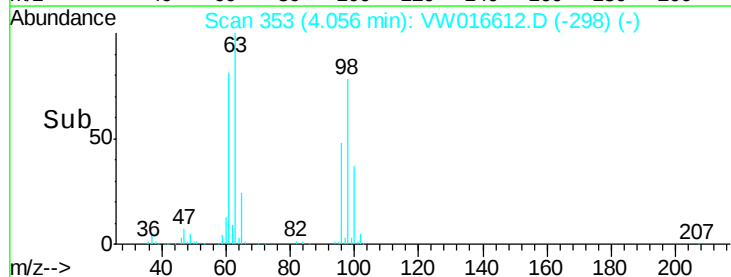
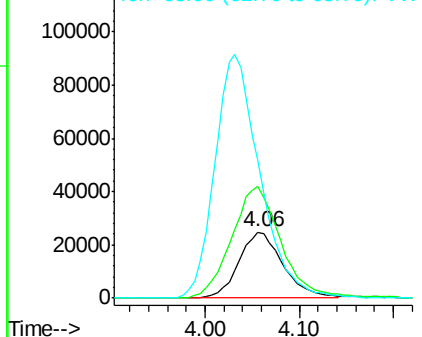
63 209.1 73.0 135.6#

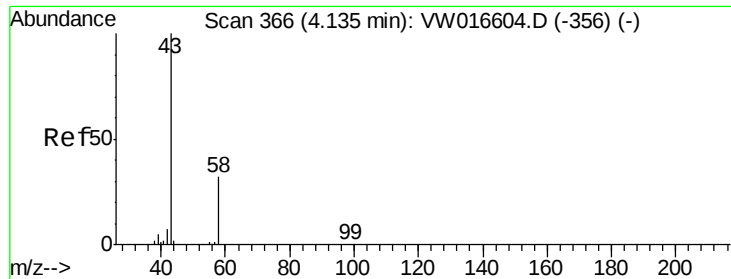


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





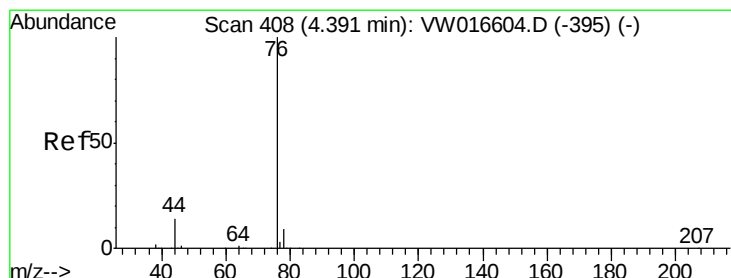
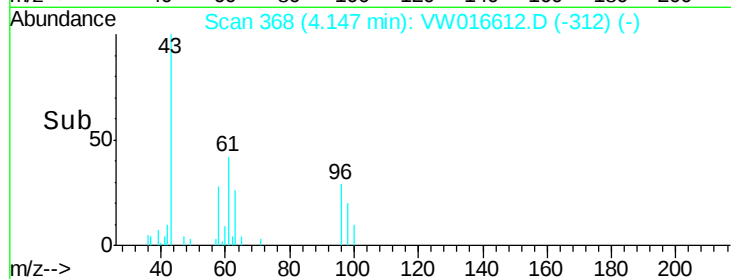
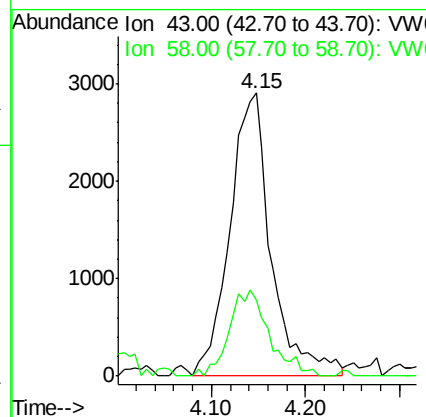
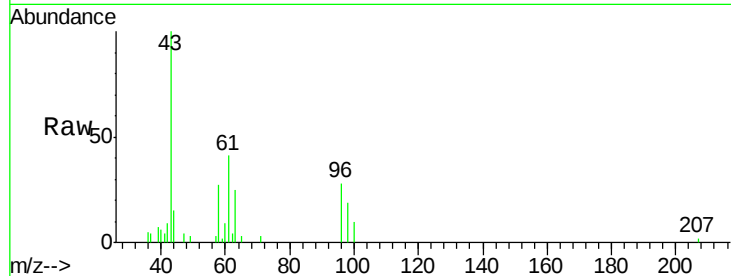
#13
Acetone
Concen: 6.750 ug/L
RT: 4.15 min Scan# 368
Delta R.T. 0.01 min
Lab File: VW016612.D
Acq: 22 Sep 2020 15:54

Instrument :
MSVOA_W
ClientSampleId :
BG3W7

Tot Ion: 43 Resp: 8866
Ion Ratio Lower Upper
43 100
58 27.6 0.0 60.2

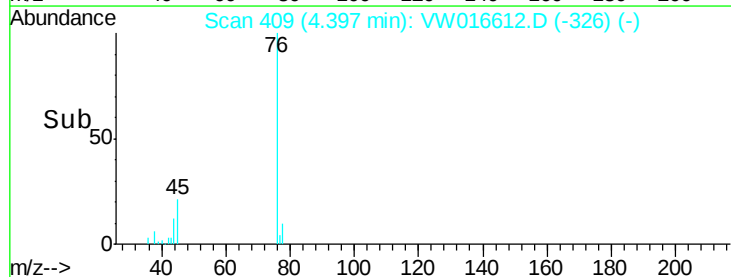
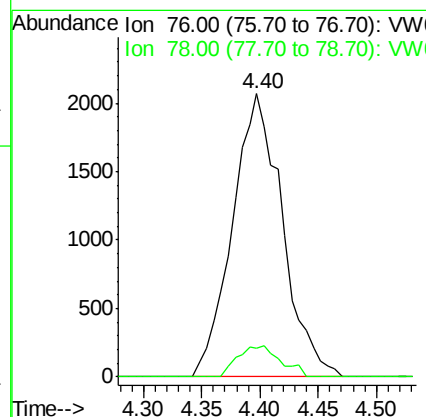
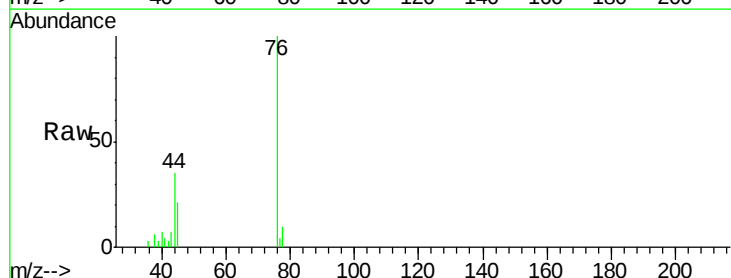
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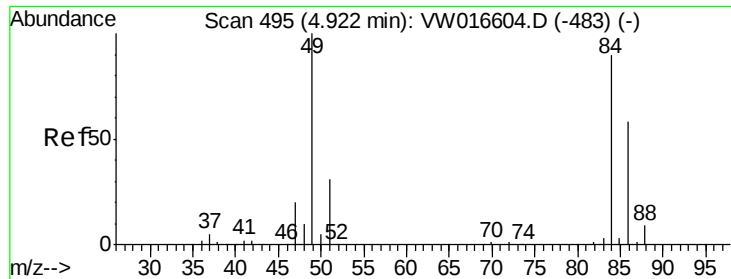
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#14
Carbon disulfide
Concen: 0.254 ug/L
RT: 4.40 min Scan# 409
Delta R.T. 0.01 min
Lab File: VW016612.D
Acq: 22 Sep 2020 15:54

Tgt Ion: 76 Resp: 6161
Ion Ratio Lower Upper
76 100
78 10.0 7.3 10.9





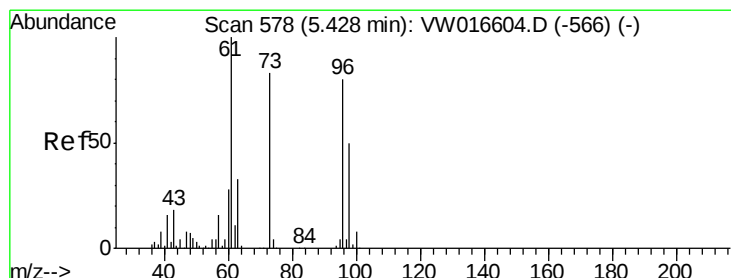
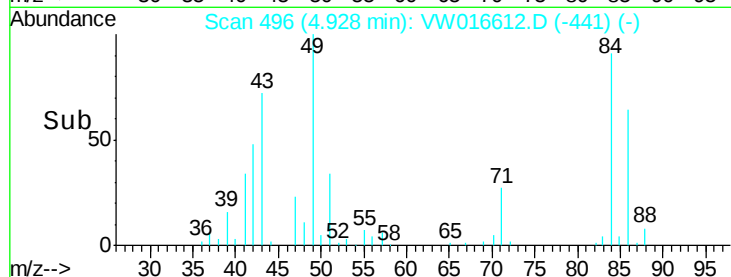
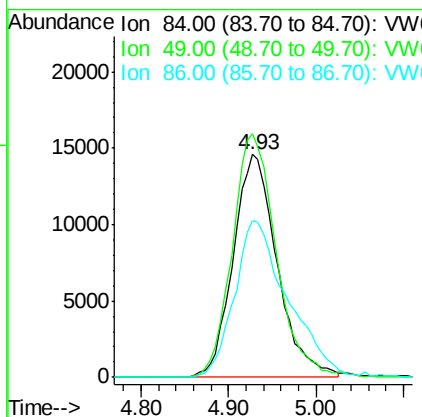
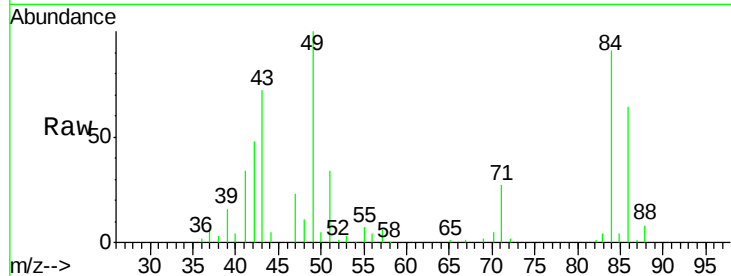
#16
Methvlene chloride
Concen: 5.188 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW016612.D
Acq: 22 Sep 2020 15:54

Instrument :
MSVOA_W
ClientSampled :
BG3W7

Tot Ion	84	Resp	50843
Ion	Ratio	Lower	Upper
84	100		
49	109.3	76.0	141.2
86	70.3	45.6	84.6

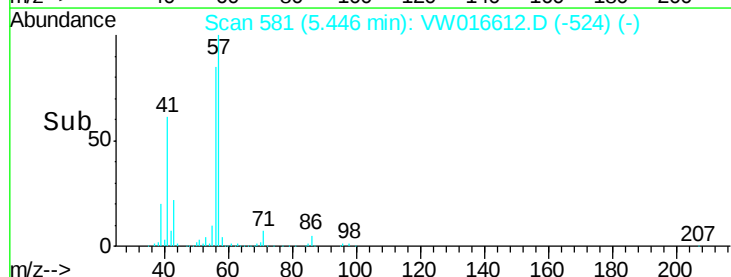
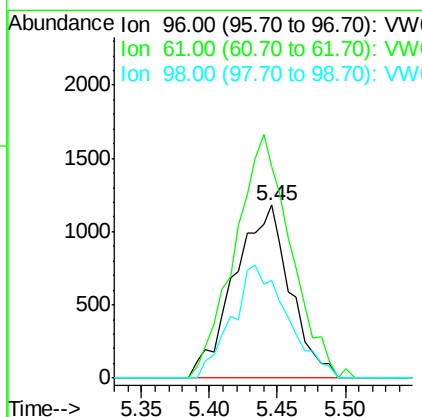
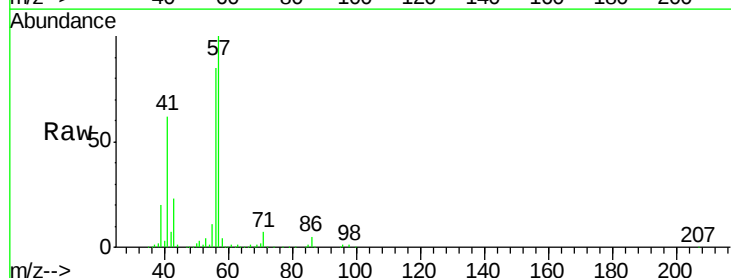
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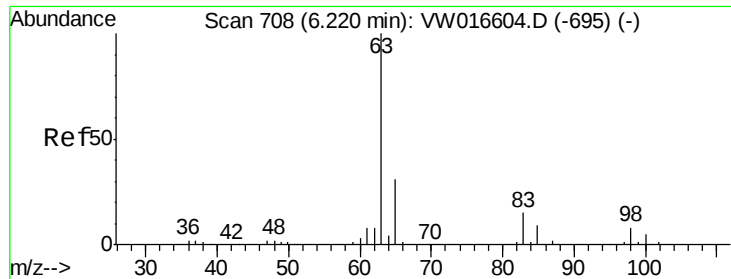
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#18
trans-1,2-Dichloroethene
Concen: 0.405 ug/L
RT: 5.45 min Scan# 581
Delta R.T. 0.02 min
Lab File: VW016612.D
Acq: 22 Sep 2020 15:54

Tgt Ion	96	Resp	3372
Ion	Ratio	Lower	Upper
96	100		
61	122.5	88.4	164.2
98	56.8	43.0	80.0





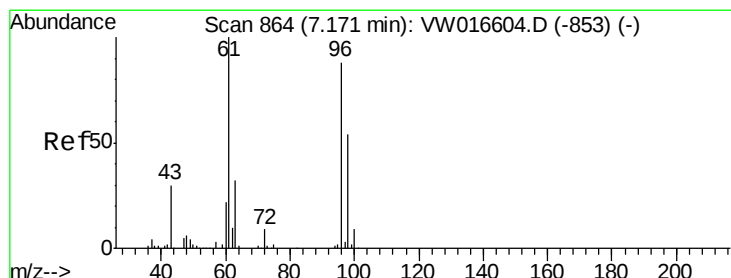
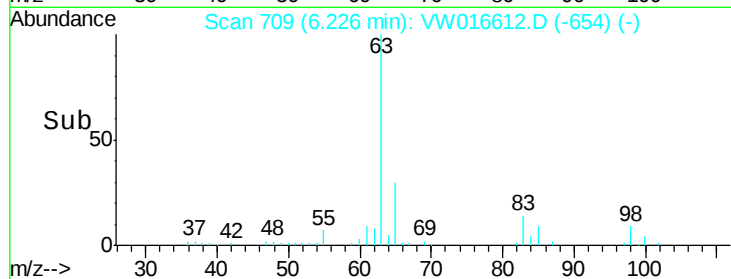
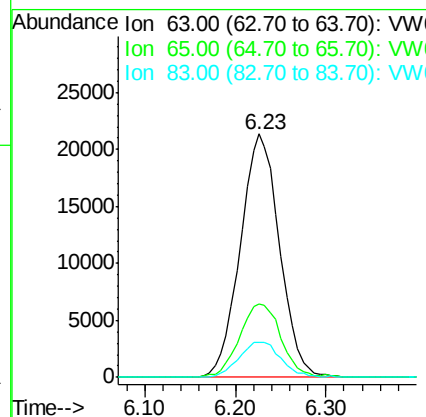
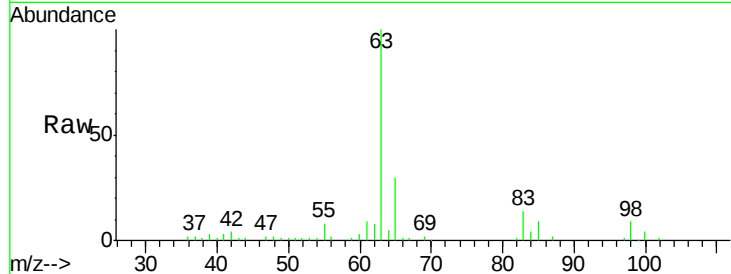
#19
 1,1-Dichloroethane
 Concen: 4.852 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: VW016612.D
 Acq: 22 Sep 2020 15:54

Instrument :
 MSVOA_W
 ClientSampled :
 BG3W7

Tot Ion	Ratio	Resp	Lower	Upper
63	100	63958		
65	30.1		21.6	40.0
83	14.3		10.4	19.2

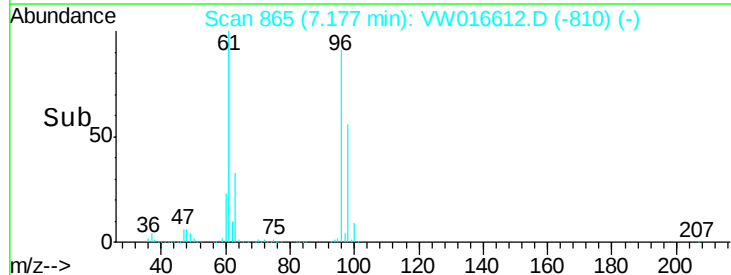
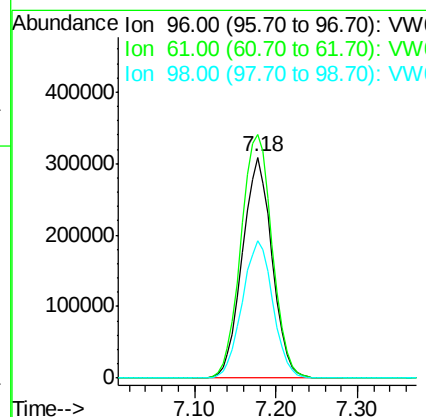
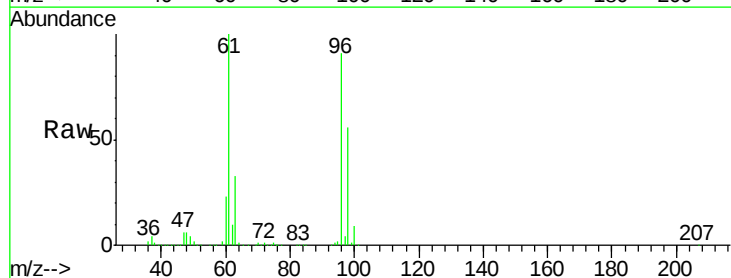
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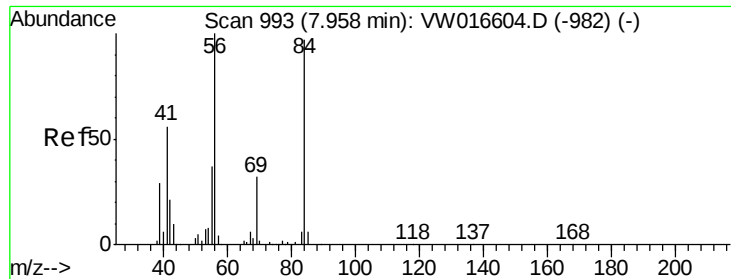
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#22
 cis-1,2-Dichloroethene
 Concen: 90.583 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW016612.D
 Acq: 22 Sep 2020 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	783359		
61	110.3		78.4	145.6
98	62.2		44.8	83.2





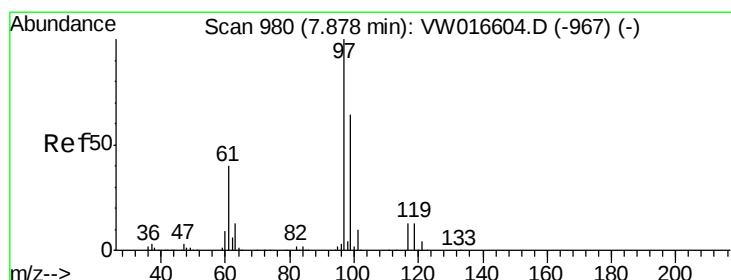
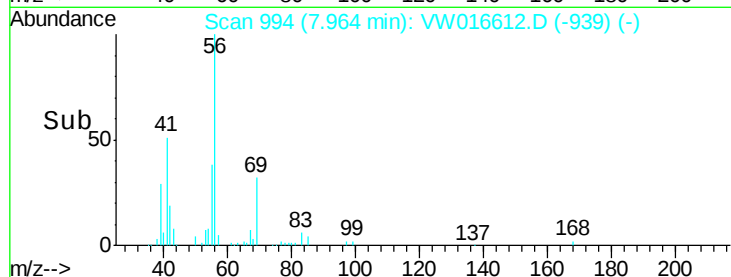
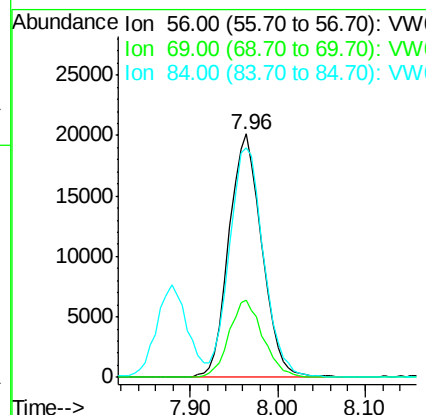
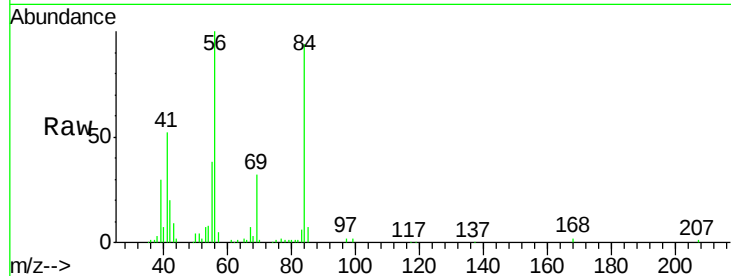
#30
Cyclohexane
Concen: 4.227 ug/L
RT: 7.96 min Scan# 994
Delta R.T. 0.01 min
Lab File: VW016612.D
Acq: 22 Sep 2020 15:54

Instrument :
MSVOA_W
ClientSampled :
BG3W7

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	26.5	39.7
84	97.5	79.0	118.6

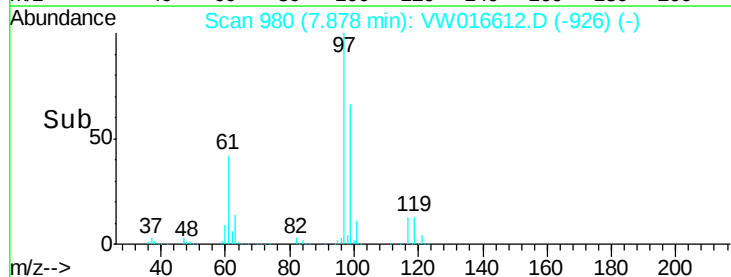
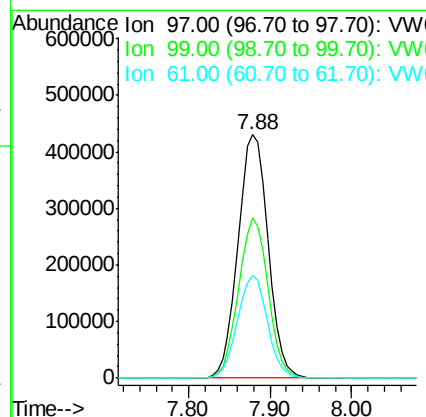
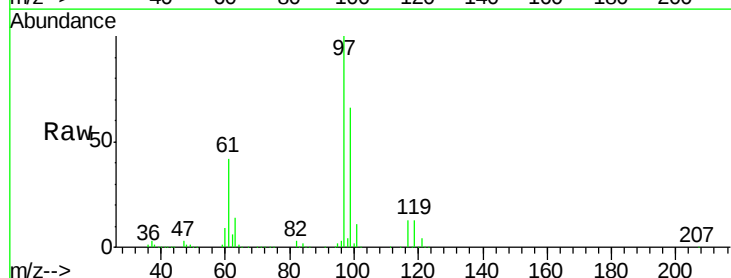
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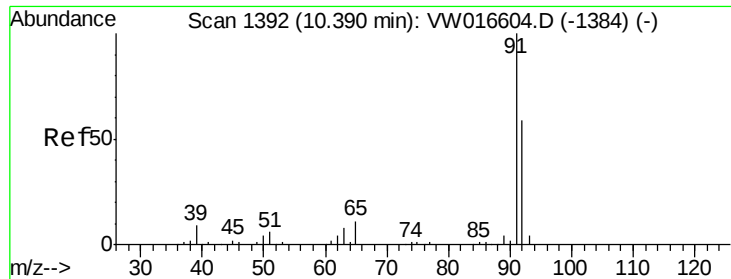
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#31
1,1,1-Trichloroethane
Concen: 82.193 ug/L
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW016612.D
Acq: 22 Sep 2020 15:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.6
61	41.6	33.6	50.4





#44

Toluene

Concen: 256.220 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016612.D

Acq: 22 Sep 2020 15:54

Instrument :

MSVOA_W

ClientSampled :

BG3W7

Tot Ion: 91 Resp: 8836105

Ion Ratio Lower Upper

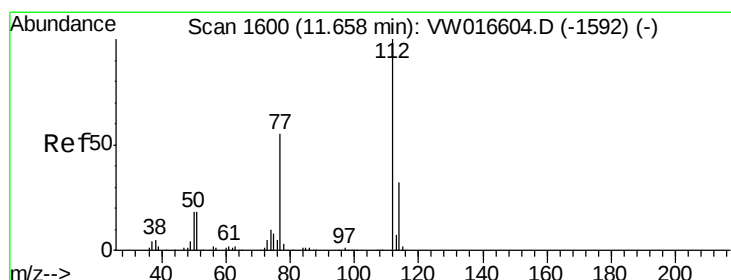
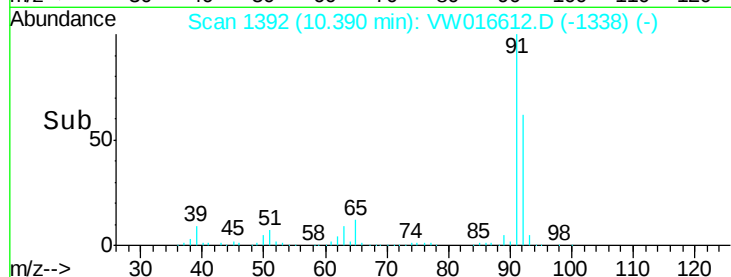
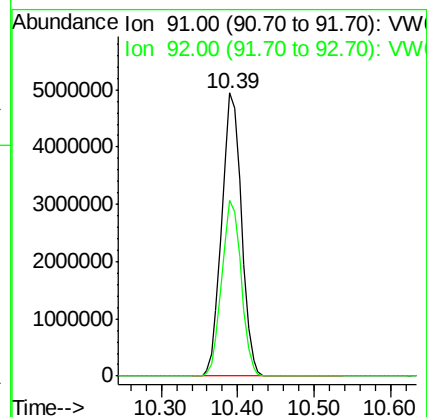
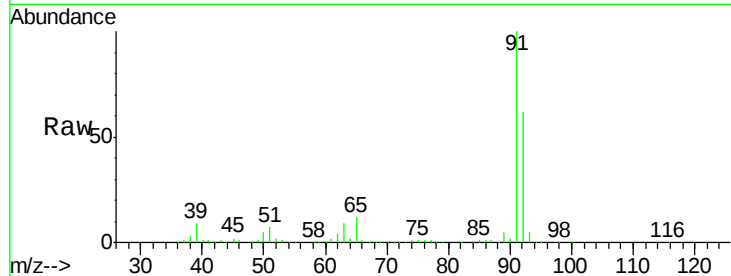
91 100

92 62.2 39.6 73.6

Manual Integrations
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#52

Chlorobenzene

Concen: 0.541 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW016612.D

Acq: 22 Sep 2020 15:54

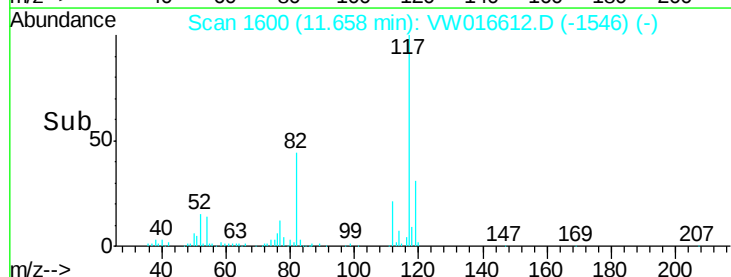
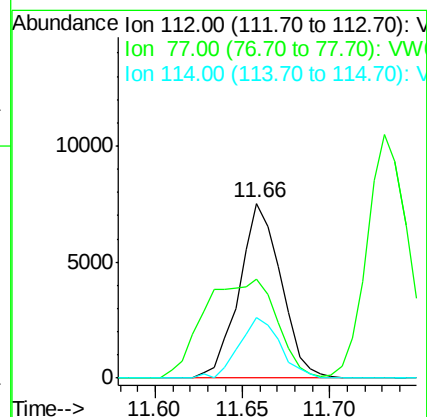
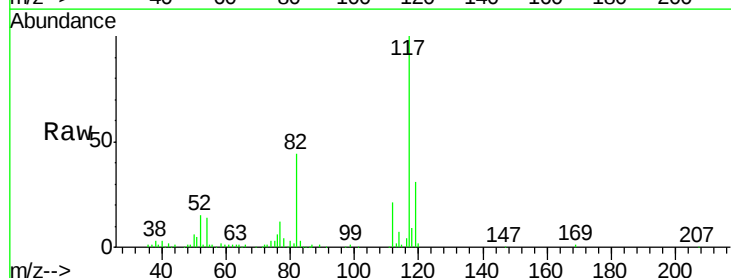
Tgt Ion: 112 Resp: 12523

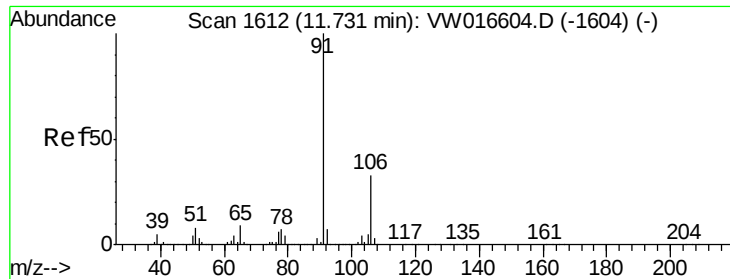
Ion Ratio Lower Upper

112 100

77 56.5 43.1 64.7

114 34.7 22.3 41.3





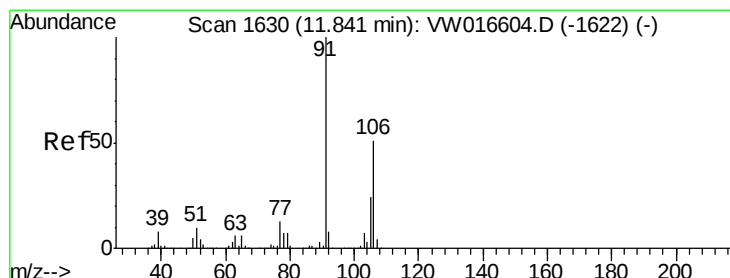
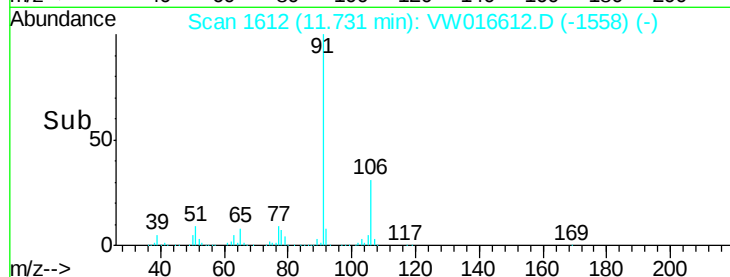
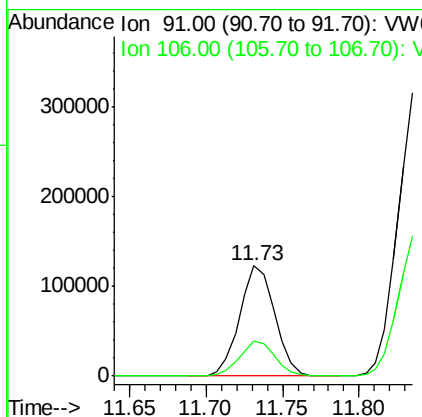
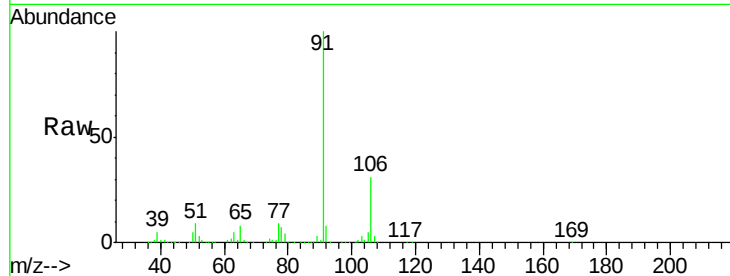
#53
Ethylbenzene
Concen: 5.006 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016612.D
Acq: 22 Sep 2020 15:54

Instrument :
MSVOA_W
ClientSampled :
BG3W7

Tot Ion: 91 Resp: 196005
Ion Ratio Lower Upper
91 100
106 31.4 20.7 38.5

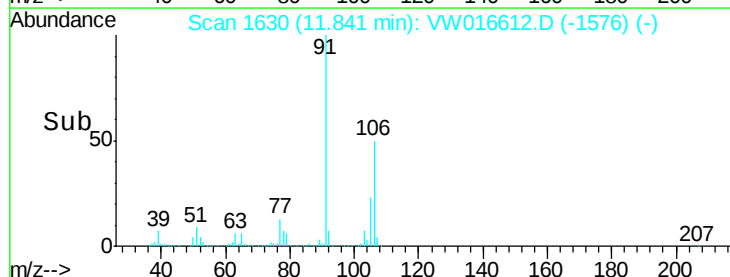
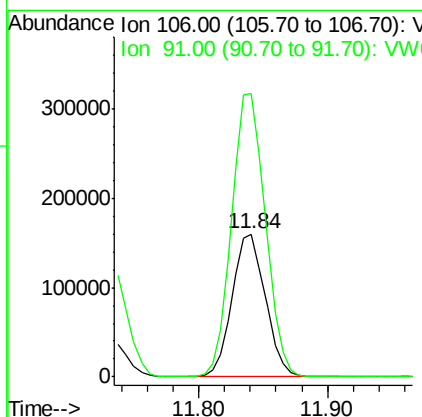
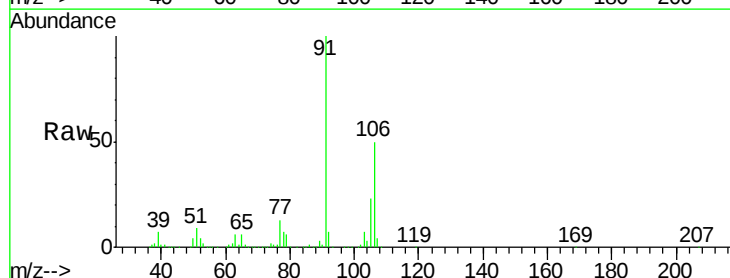
Manual Integrations
APPROVED

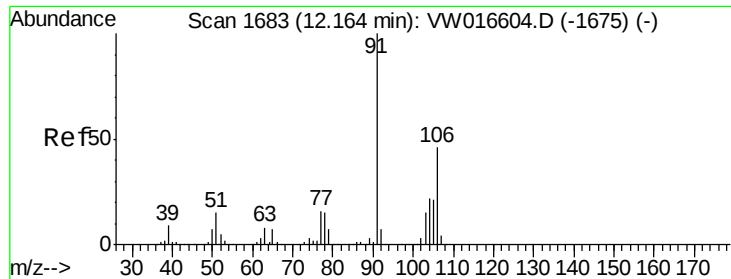
MMDadoda
9/28/2020 3:16:09 PM



#54
m,p-Xylene
Concen: 18.759 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016612.D
Acq: 22 Sep 2020 15:54

Tgt Ion:106 Resp: 287602
Ion Ratio Lower Upper
106 100
91 198.4 139.7 259.5





#55

o-xylene

Concen: 10.485 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW016612.D

Acq: 22 Sep 2020 15:54

Instrument :

MSVOA_W

ClientSampled :

BG3W7

Tot Ion:106 Resp: 153999

Ion Ratio Lower Upper

106 100

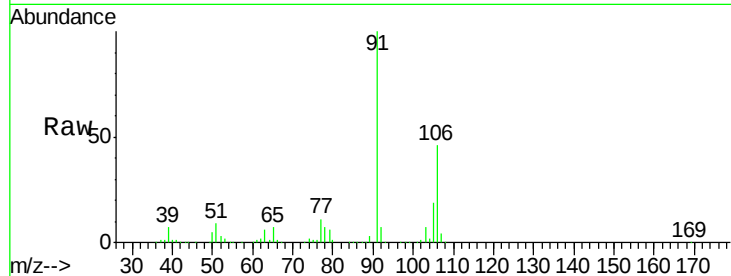
91 215.6 144.8 268.8

Manual Integrations

APPROVED

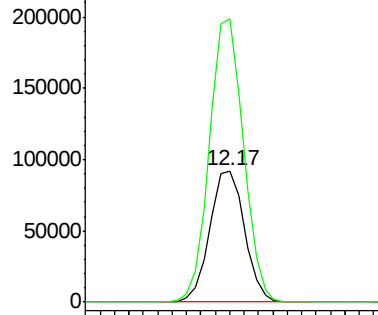
MMDadoda

9/28/2020 3:16:09 PM

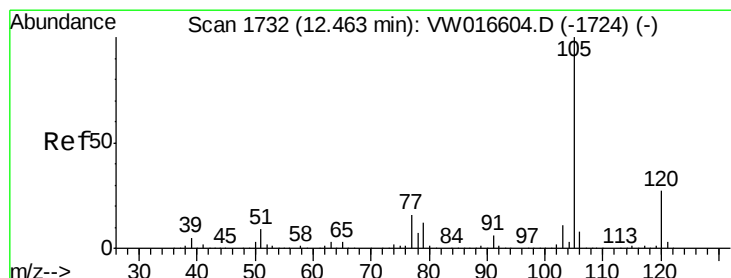
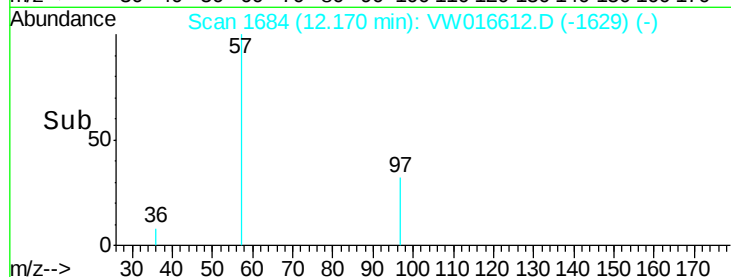


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



Time-->



#57

Isopropylbenzene

Concen: 1.097 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016612.D

Acq: 22 Sep 2020 15:54

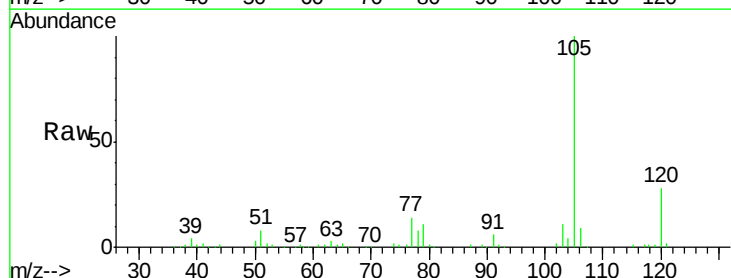
Tgt Ion:105 Resp: 44032

Ion Ratio Lower Upper

105 100

120 27.5 21.8 32.8

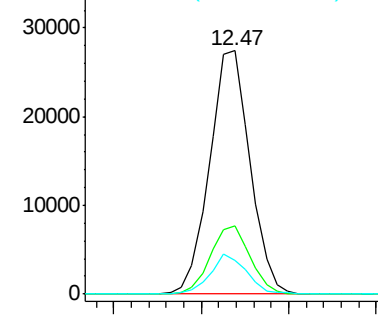
77 14.9 12.2 18.2



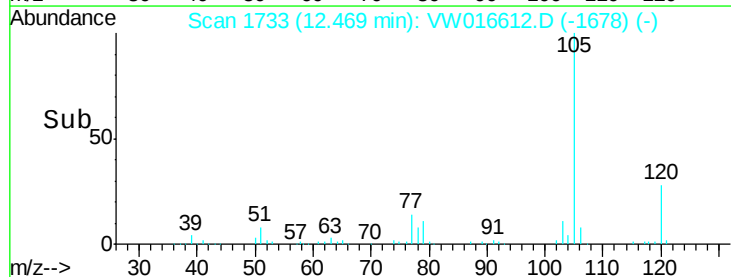
Abundance Ion 105.00 (104.70 to 105.70): V

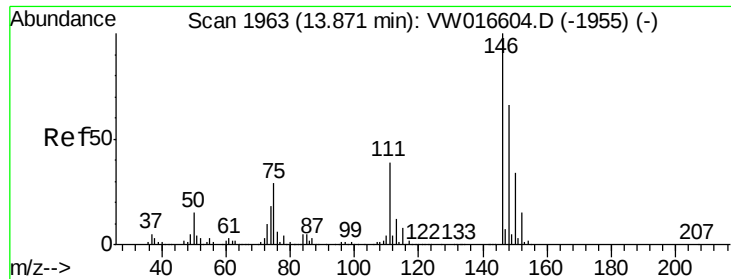
Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW



Time-->





#65
 1,2-Dichlorobenzene
 Concen: 0.465 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016612.D
 Acq: 22 Sep 2020 15:54

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3W7

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.7	31.4	47.0#
148	72.2	49.3	73.9

Manual Integrations
 APPROVED

MMDadoda
 9/28/2020 3:16:09 PM

