

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092320\
 Data File : VW016614.D
 Acq On : 22 Sep 2020 16:41
 Operator : SY/VA
 Sample : L4109-04
 Misc : 6.04G/10ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3W8

Manual Integrations
 APPROVED

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 9/28/2020 3:16:18 PM

Quant Time: Sep 23 08:44:57 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	695923	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	611487	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	298141	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	171477	25.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.84%
7) Chloroethane-d5	2.90	69	146707	26.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.68%
10) 1,1-Dichloroethene-d2	4.03	63	323144	21.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.84%
20) 2-Butanone-d5	7.09	46	76222	41.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.00%
24) Chloroform-d	7.65	84	361960	24.86	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.44%
26) 1,2-Dichloroethane-d4	8.31	65	186705m	24.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.92%
29) Benzene-d6	8.28	84	718397	26.20	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.80%
33) 1,2-Dichloropropane-d6	9.28	67	197177	26.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.12%
37) Toluene-d8	10.33	98	700975	25.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.92%
38) trans-1,3-Dichloropropene-	10.58	79	86625	23.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.48%
39) 2-Hexanone-d5	10.93	63	61973	45.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.70%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	145333	22.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.92%
61) 1,2-Dichlorobenzene-d4	13.86	152	249957	26.24	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.96%

Target Compounds

					Ovalue
5) Vinyl chloride	2.37	62	2422	0.261 ug/L #	1
12) 1,1-Dichloroethene	4.06	96	116798	13.250 ug/L #	76
13) Acetone	4.13	43	13218	9.188 ug/L	99
14) Carbon disulfide	4.39	76	8859m	0.333 ug/L	
16) Methylene chloride	4.93	84	66874	6.230 ug/L	90
18) trans-1,2-Dichloroethene	5.43	96	5722	0.627 ug/L	92
19) 1,1-Dichloroethane	6.23	63	77891	5.396 ug/L	98
22) cis-1,2-Dichloroethene	7.18	96	1565717	165.305 ug/L	98
30) Cyclohexane	7.96	56	99273	7.429 ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	2097764	146.888 ug/L	100
34) Benzene	8.33	78	10886	0.332 ug/L	100
35) Trichloroethene	9.10	95	179529	18.933 ug/L	99
44) Toluene	10.39	91	11177337	303.285 ug/L	89
52) Chlorobenzene	11.66	112	10440	0.422 ug/L	92
53) Ethylbenzene	11.73	91	364681	8.716 ug/L	97
54) m,p-Xylene	11.84	106	558760	34.104 ug/L	100
55) o-xylene	12.17	106	282442	17.994 ug/L	93

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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)
57) Isopropylbenzene	12.47	105	127230	2.966	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	7830	0.452	ug/L	94

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

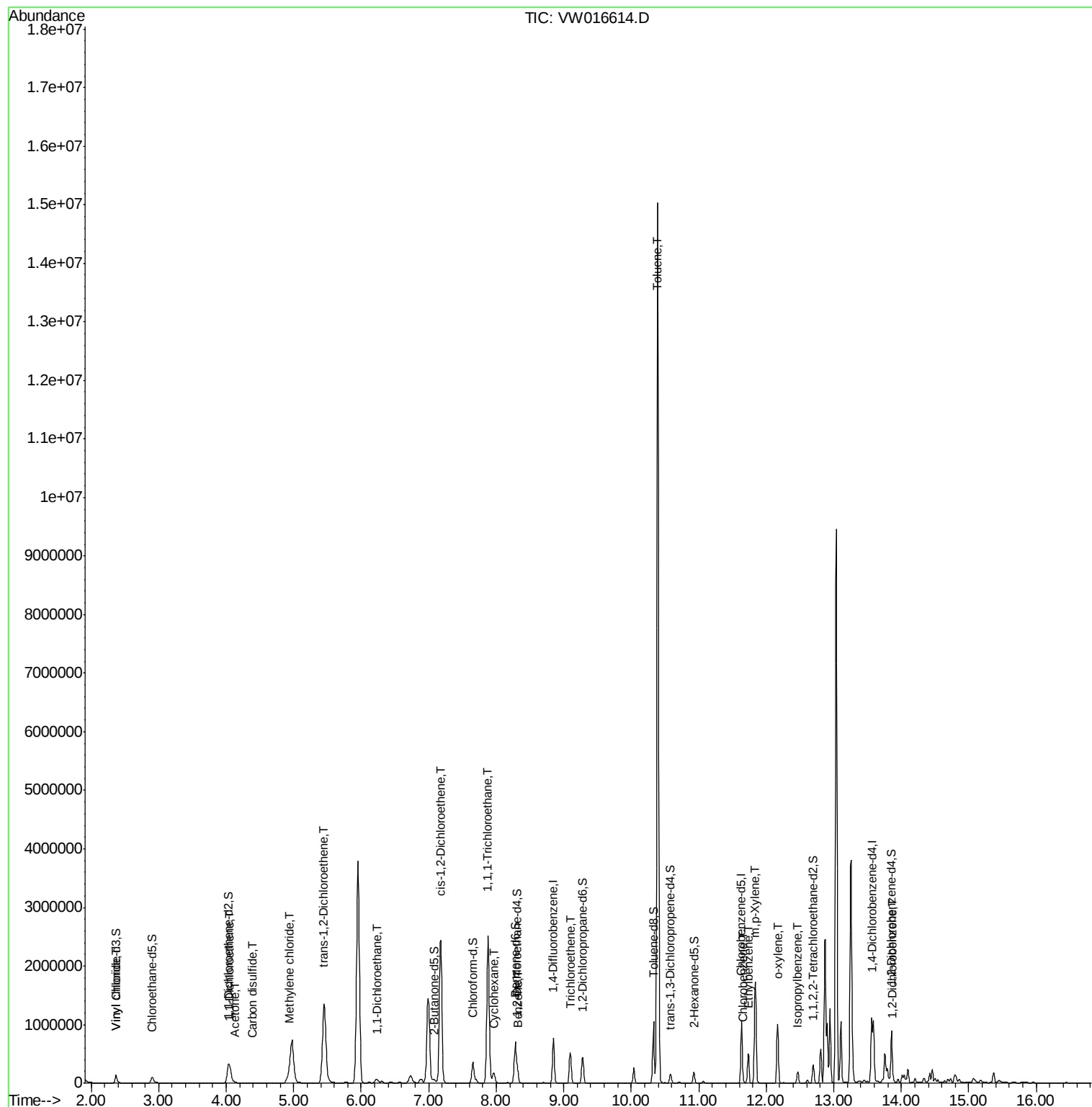
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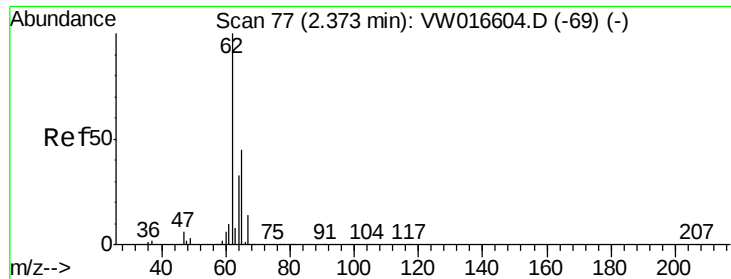
Instrument :
MSVOA_W
ClientSampleId :
BG3W8

Manual Integrations
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Quant Time: Sep 23 08:44:57 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: 0.261 ug/L

RT: 2.37 min Scan# 77

Delta R.T. -0.00 min

Lab File: VW016614.D

Acq: 22 Sep 2020 16:41

Instrument :

MSVOA_W

ClientSampleId :

BG3W8

Tot Ion: 62 Resp: 2422

Ion Ratio Lower Upper

62 100

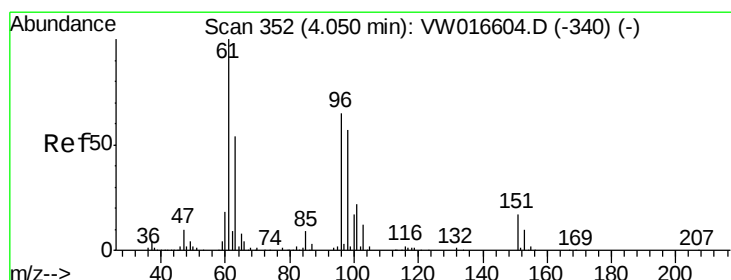
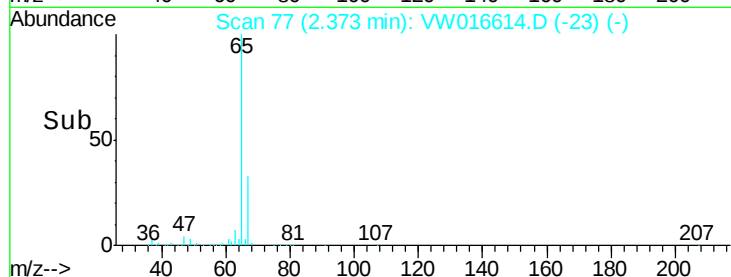
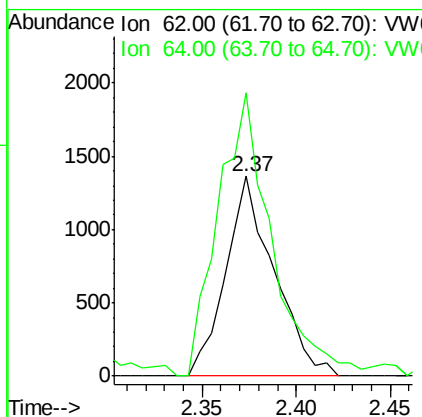
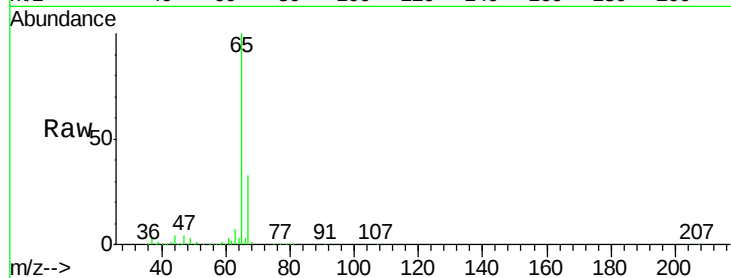
64 141.7 23.4 43.4#

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#12

1,1-Dichloroethene

Concen: 13.250 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW016614.D

Acq: 22 Sep 2020 16:41

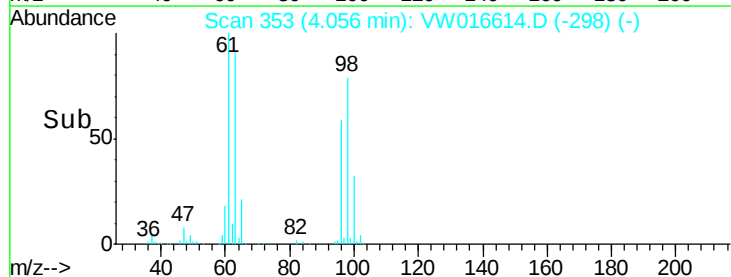
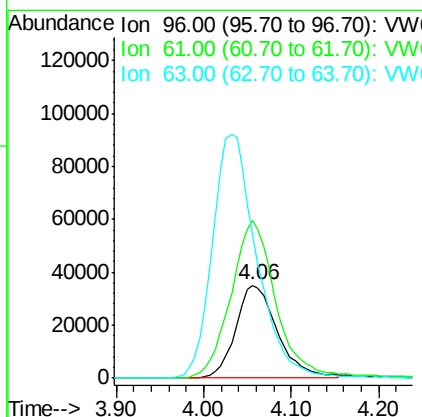
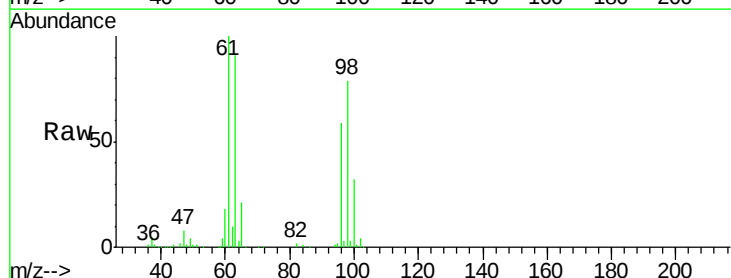
Tgt Ion: 96 Resp: 116798

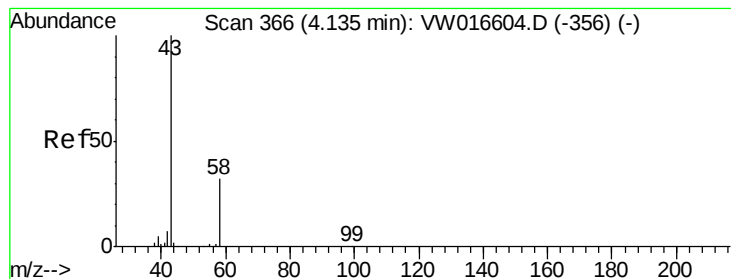
Ion Ratio Lower Upper

96 100

61 169.2 111.4 206.8

63 154.2 73.0 135.6#





#13

Acetone

Concen: 9.188 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW016614.D

Acq: 22 Sep 2020 16:41

Instrument :

MSVOA_W

ClientSampled :

BG3W8

Tot Ion: 43 Resp: 13218

Ion Ratio Lower Upper

43 100

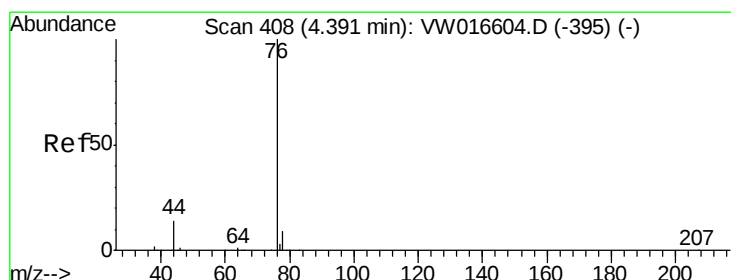
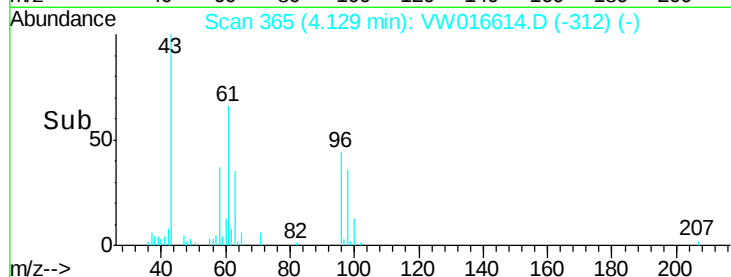
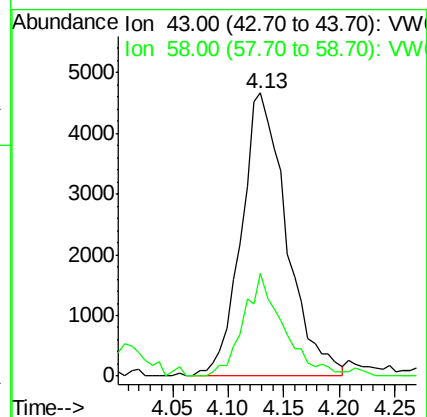
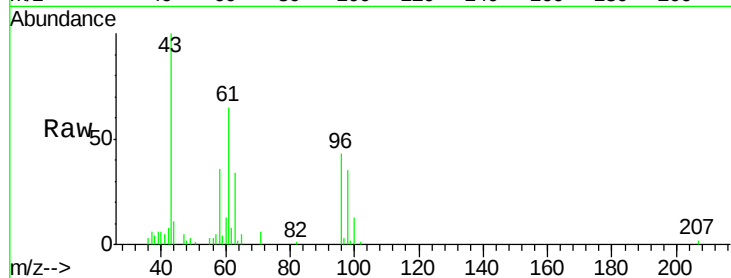
58 30.5 0.0 60.2

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#14

Carbon disulfide

Concen: 0.333 ug/L m

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW016614.D

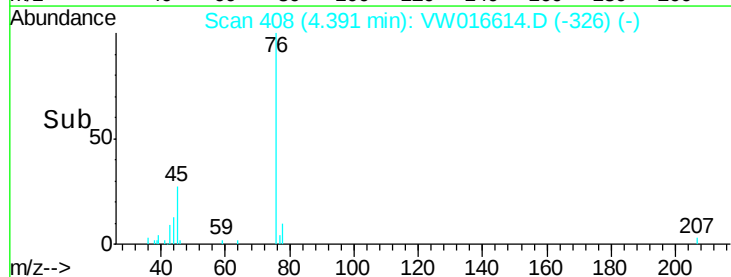
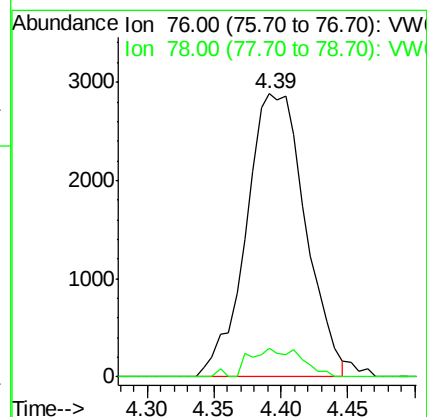
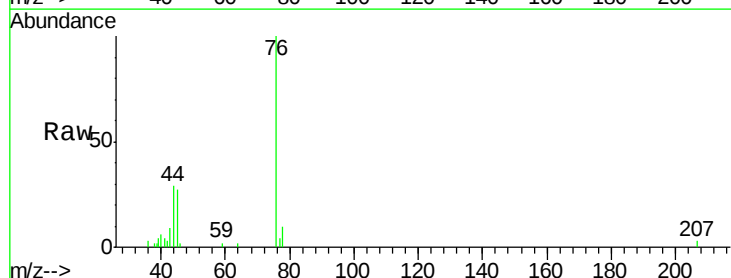
Acq: 22 Sep 2020 16:41

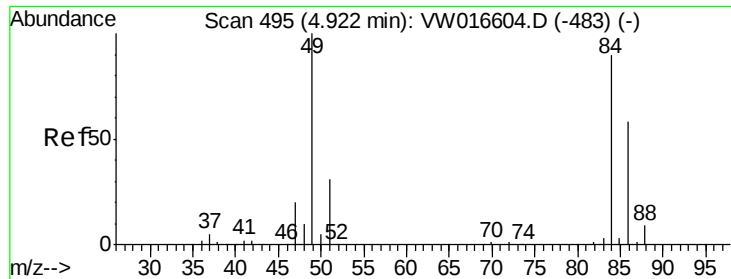
Tgt Ion: 76 Resp: 8859

Ion Ratio Lower Upper

76 100

78 10.3 7.3 10.9





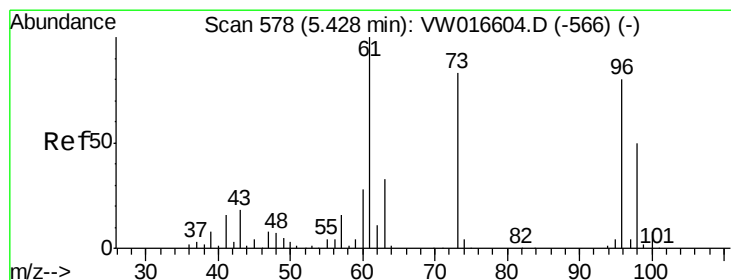
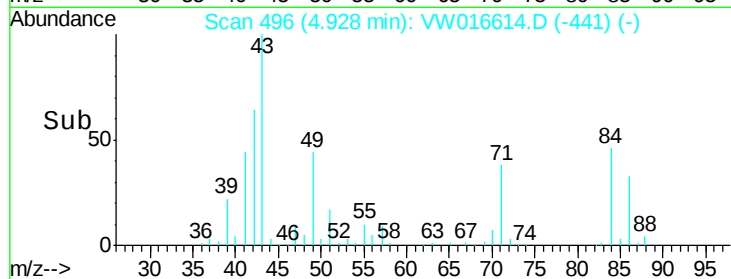
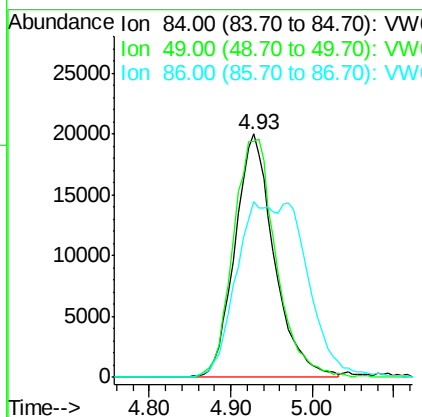
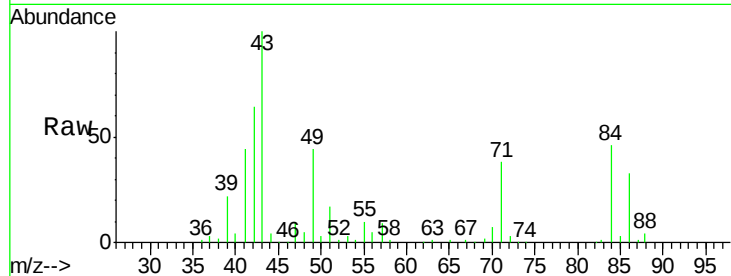
#16
Methvlene chloride
Concen: 6.230 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW016614.D
Acq: 22 Sep 2020 16:41

Instrument :
MSVOA_W
ClientSampled :
BG3W8

Tot Ion	Ratio	Lower	Upper
84	100		
49	97.1	76.0	141.2
86	71.9	45.6	84.6

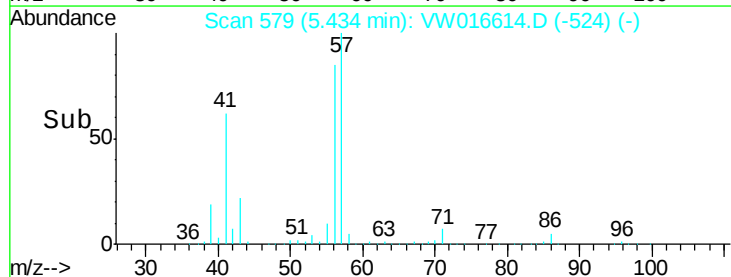
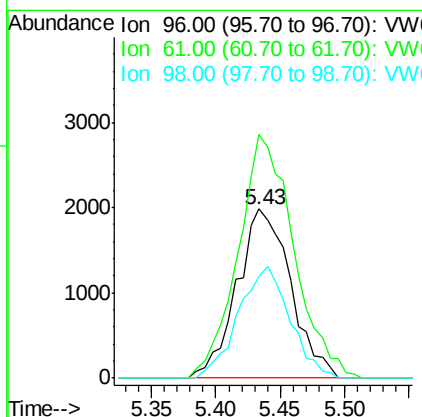
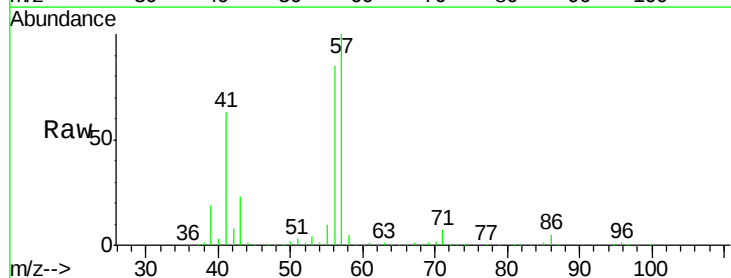
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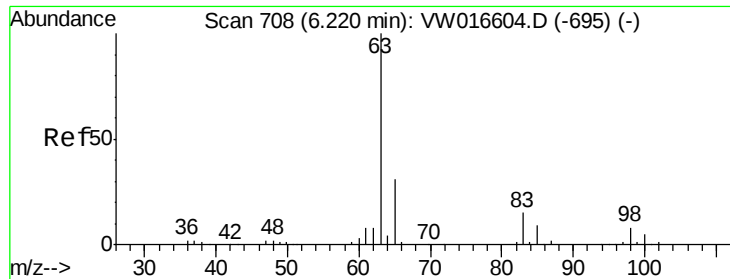
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#18
trans-1,2-Dichloroethene
Concen: 0.627 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW016614.D
Acq: 22 Sep 2020 16:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	138.0	88.4	164.2
98	57.8	43.0	80.0





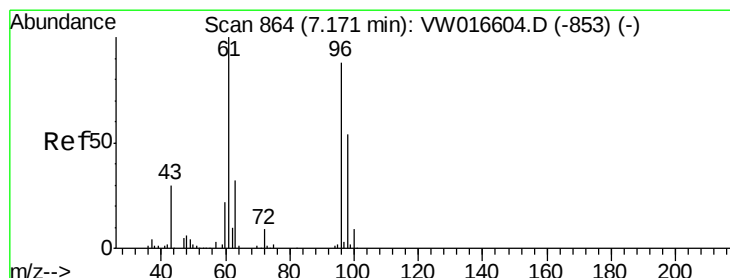
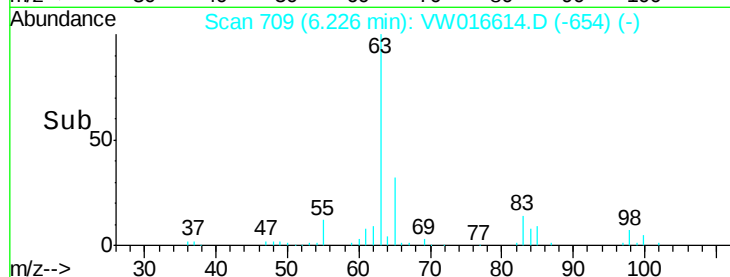
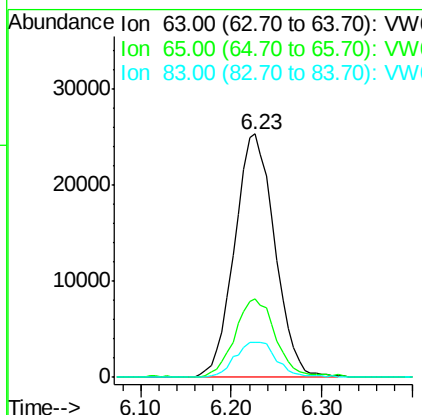
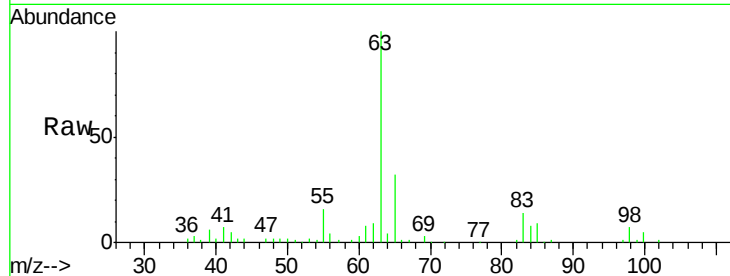
#19
 1,1-Dichloroethane
 Concen: 5.396 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: VW016614.D
 Acq: 22 Sep 2020 16:41

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3W8

Tot Ion:	63	Resp:	77891
Ion	Ratio	Lower	Upper
63	100		
65	32.3	21.6	40.0
83	14.2	10.4	19.2

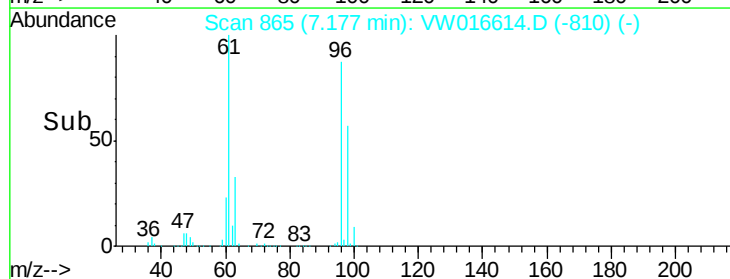
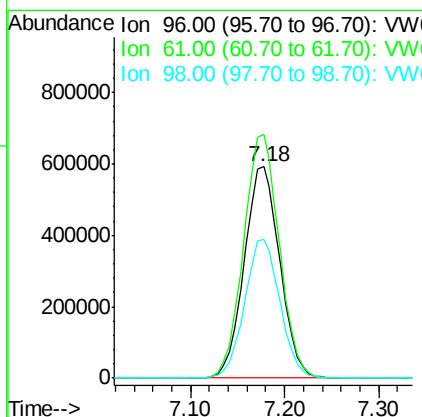
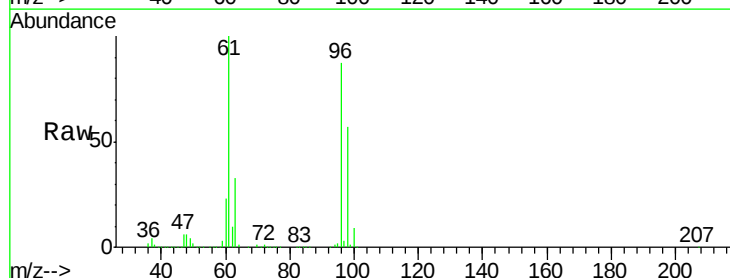
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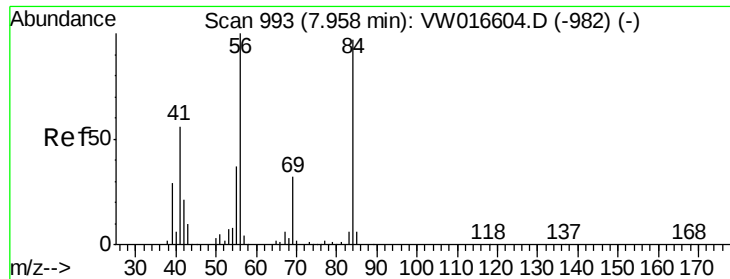
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#22
 cis-1,2-Dichloroethene
 Concen: 165.305 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW016614.D
 Acq: 22 Sep 2020 16:41

Tgt Ion:	96	Resp:	1565717
Ion	Ratio	Lower	Upper
96	100		
61	115.1	78.4	145.6
98	65.4	44.8	83.2





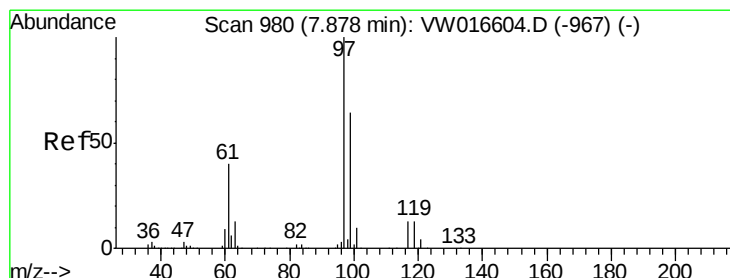
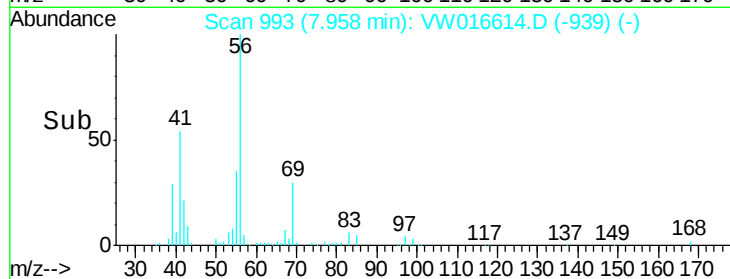
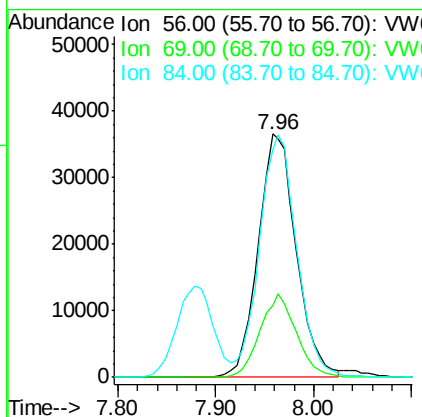
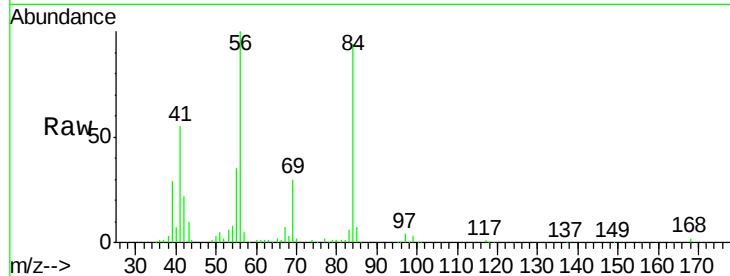
#30
Cvclohexane
Concen: 7.429 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW016614.D
Acq: 22 Sep 2020 16:41

Instrument :
MSVOA_W
ClientSampleId :
BG3W8

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.7	26.5	39.7
84	97.9	79.0	118.6

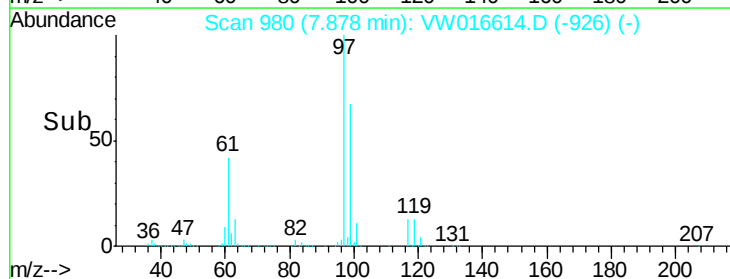
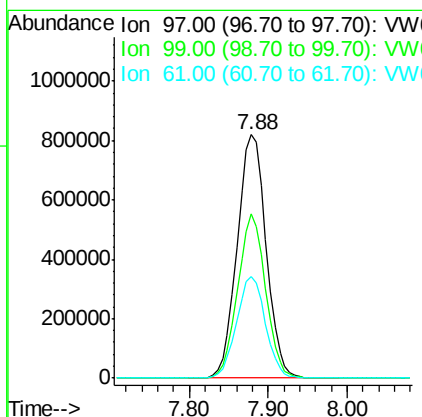
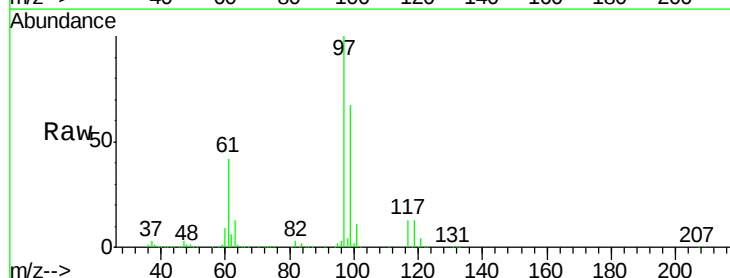
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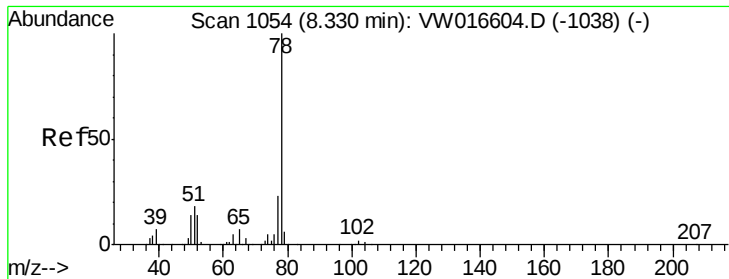
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#31
1,1,1-Trichloroethane
Concen: 146.888 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW016614.D
Acq: 22 Sep 2020 16:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.8	77.6
61	41.4	33.6	50.4





#34

Benzene

Concen: 0.332 ug/L

RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW016614.D

Acq: 22 Sep 2020 16:41

Instrument :

MSVOA_W

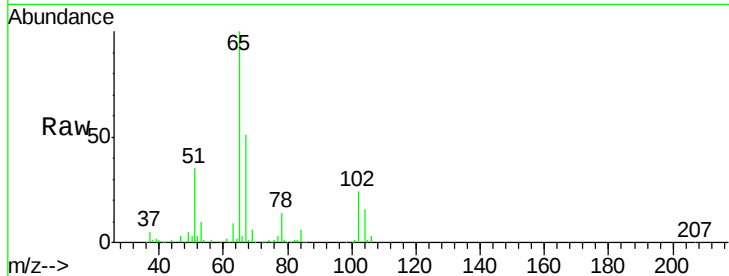
ClientSampled :

BG3W8

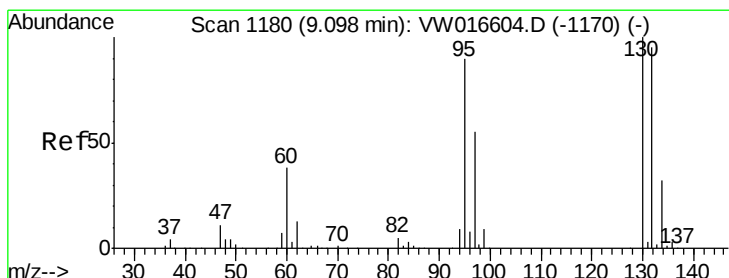
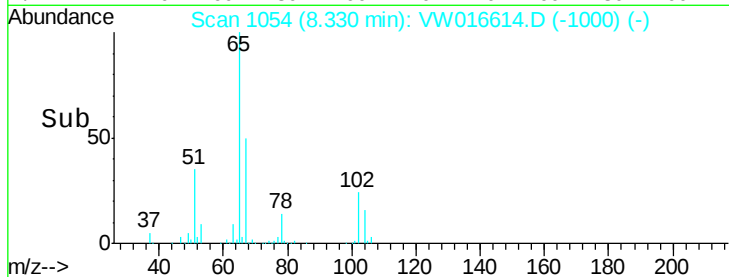
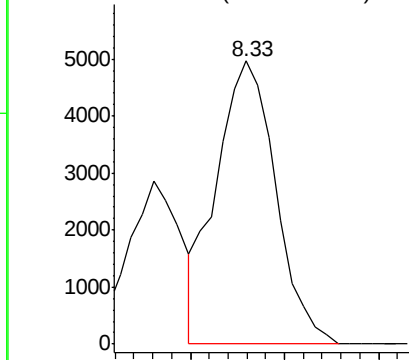
Tgt Ion: 78 Resp: 10886

Manual Integrations
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Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 18.933 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW016614.D

Acq: 22 Sep 2020 16:41

Tgt Ion: 95 Resp: 179529

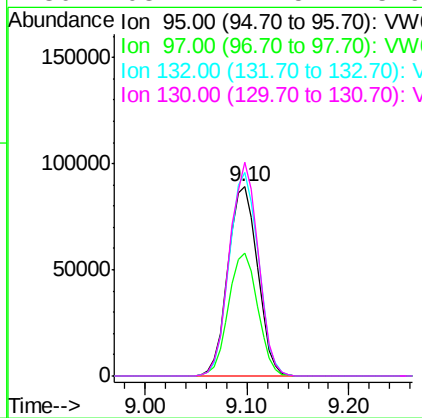
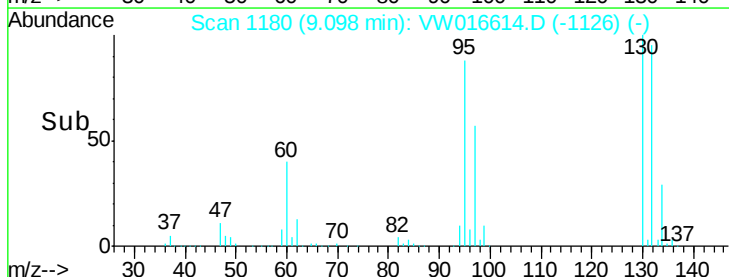
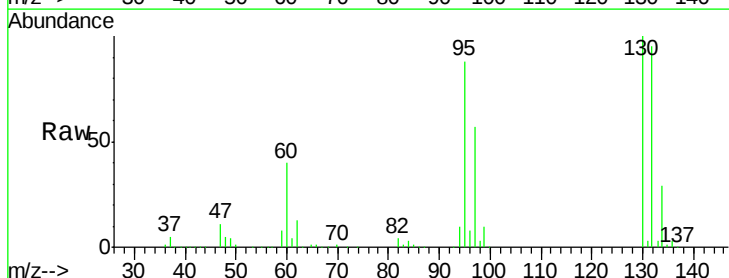
Ion	Ratio	Lower	Upper
95	100		
97	63.9	45.2	84.0
132	105.4	73.3	136.1
130	108.7	77.5	143.9

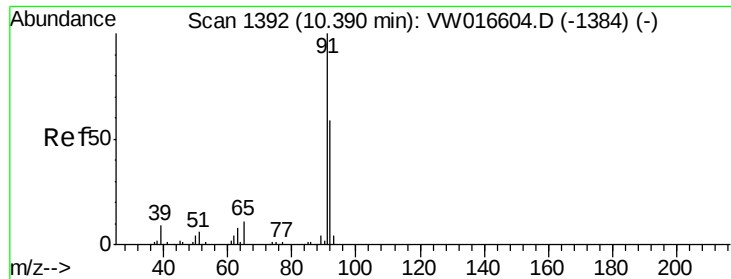
Abundance Ion 95.00 (94.70 to 95.70): VW

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





#44

Toluene

Concen: 303.285 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016614.D

Acq: 22 Sep 2020 16:41

Instrument :

MSVOA_W

ClientSampleId :

BG3W8

Tot Ion: 91 Resp: 11177337

Ion Ratio Lower Upper

91 100

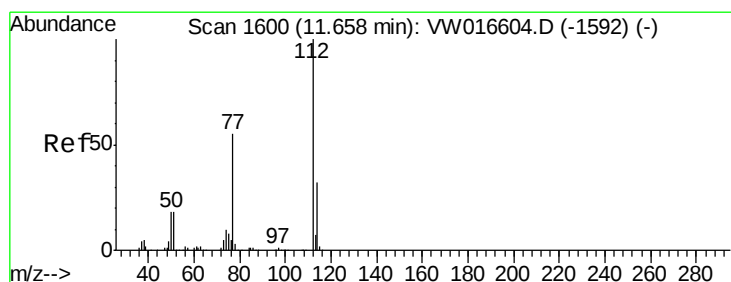
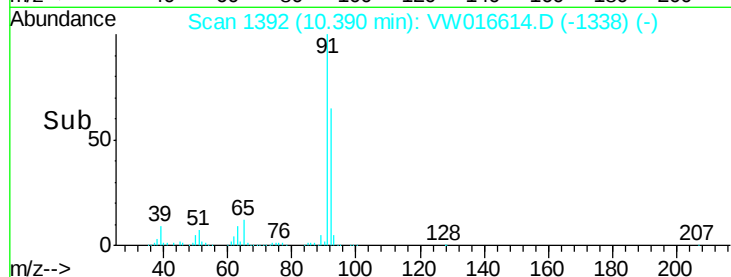
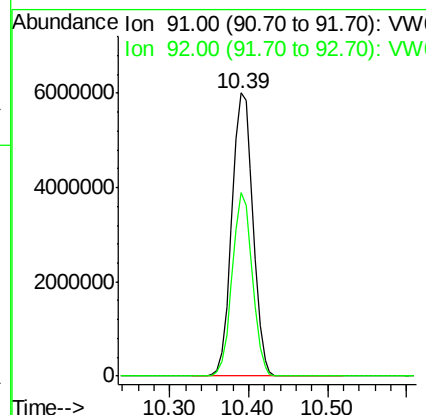
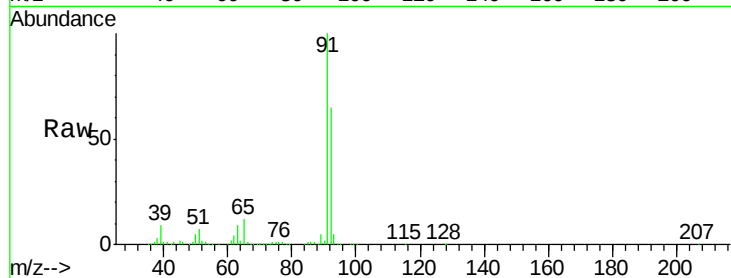
92 64.8 39.6 73.6

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#52

Chlorobenzene

Concen: 0.422 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW016614.D

Acq: 22 Sep 2020 16:41

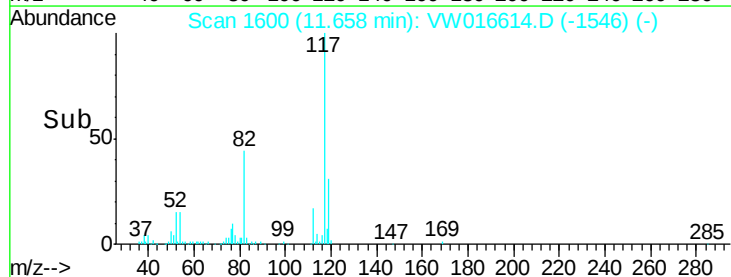
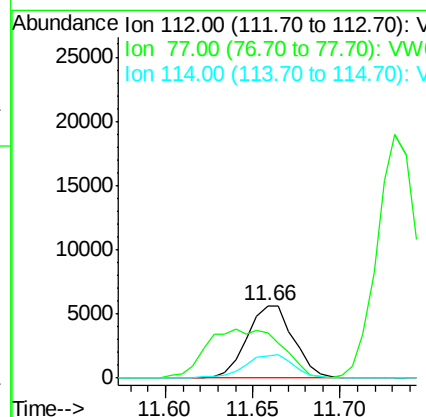
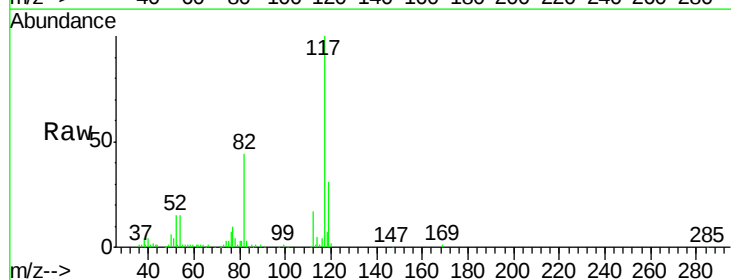
Tgt Ion: 112 Resp: 10440

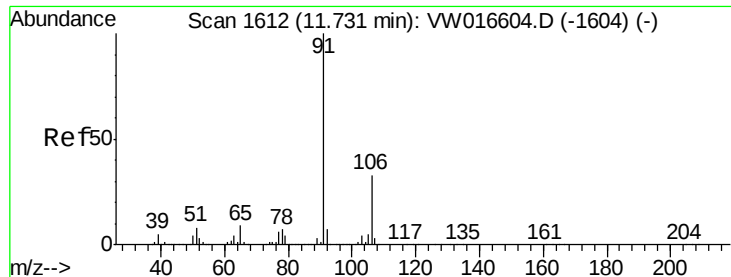
Ion Ratio Lower Upper

112 100

77 62.9 43.1 64.7

114 31.3 22.3 41.3





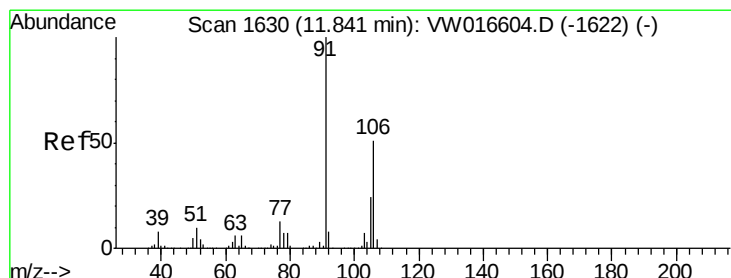
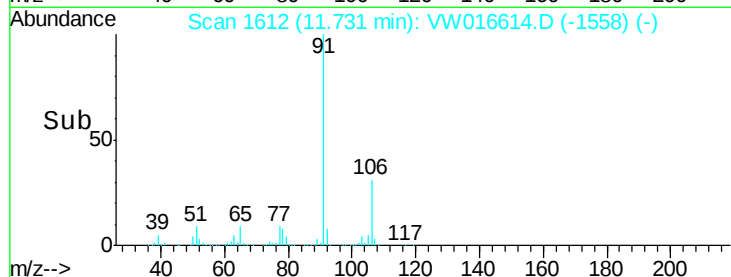
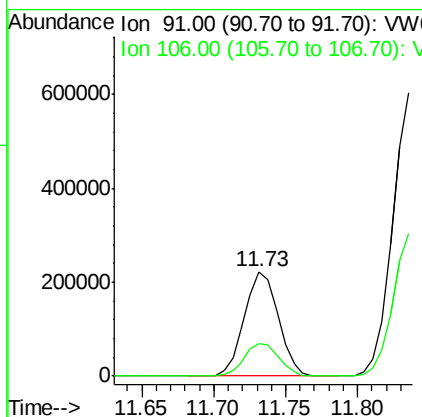
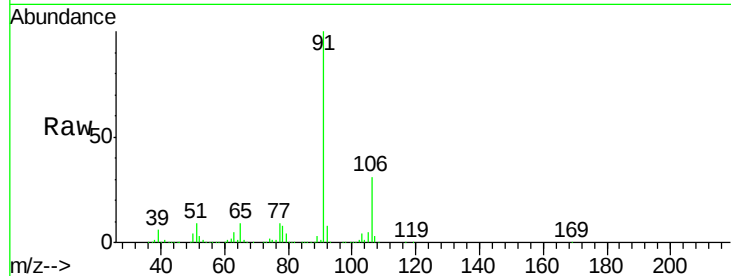
#53
Ethylbenzene
Concen: 8.716 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016614.D
Acq: 22 Sep 2020 16:41

Instrument :
MSVOA_W
ClientSampleId :
BG3W8

Tot Ion: 91 Resp: 364681
Ion Ratio Lower Upper
91 100
106 31.2 20.7 38.5

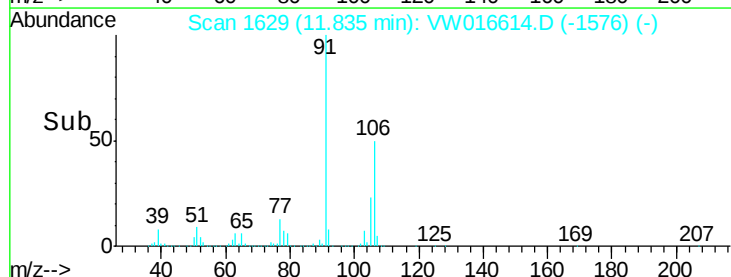
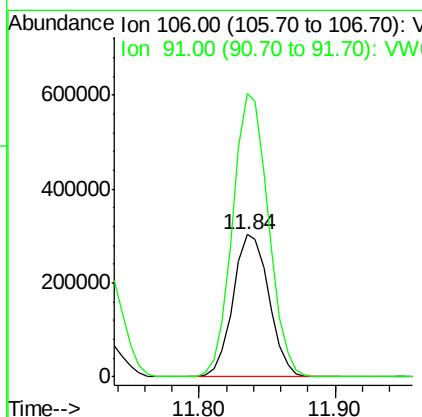
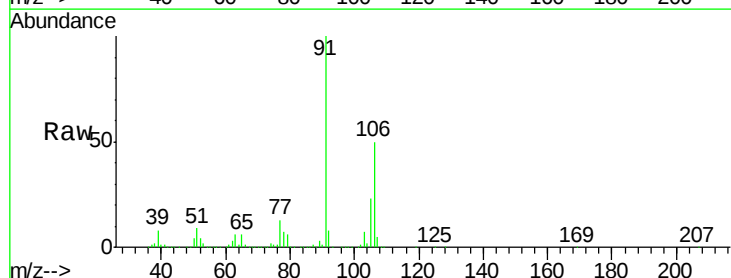
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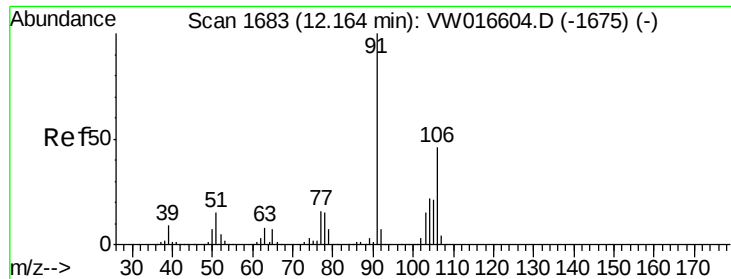
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#54
m,p-Xylene
Concen: 34.104 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW016614.D
Acq: 22 Sep 2020 16:41

Tgt Ion: 106 Resp: 558760
Ion Ratio Lower Upper
106 100
91 199.0 139.7 259.5





#55

o-xylene

Concen: 17.994 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW016614.D

Acq: 22 Sep 2020 16:41

Instrument :

MSVOA_W

ClientSampleId :

BG3W8

Tot Ion:106 Resp: 282442

Ion Ratio Lower Upper

106 100

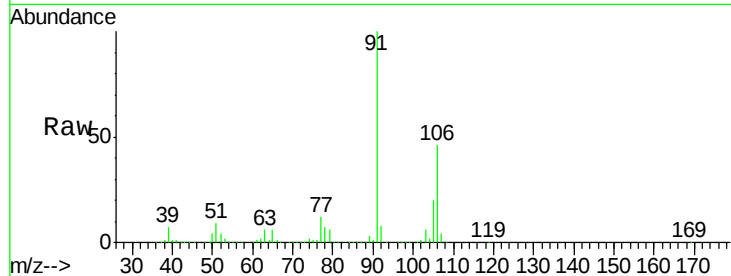
91 218.2 144.8 268.8

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

400000

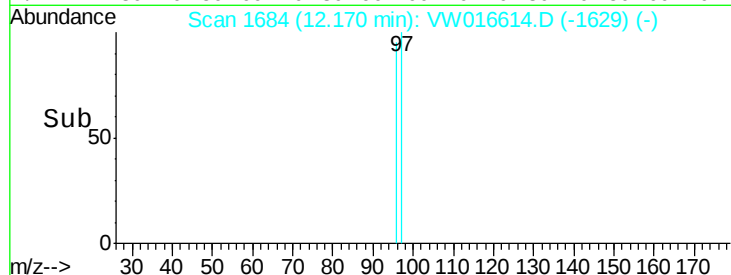
300000

200000

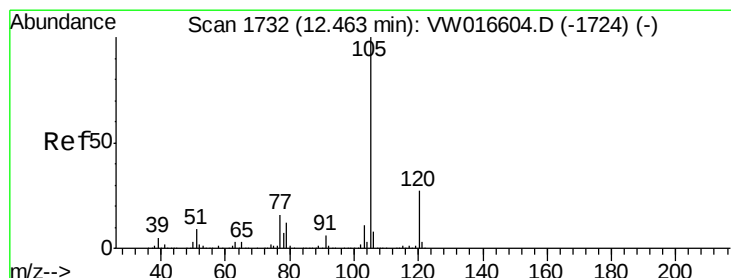
100000

0

12.10 12.20



Time-->



#57

Isopropylbenzene

Concen: 2.966 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016614.D

Acq: 22 Sep 2020 16:41

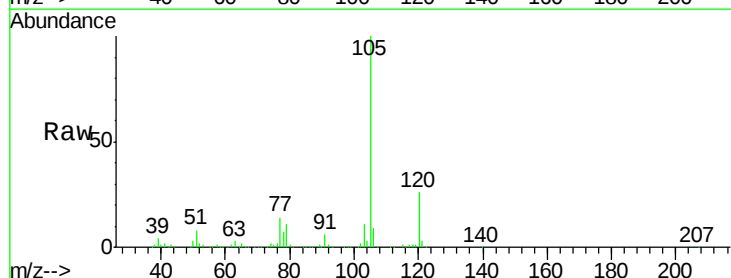
Tgt Ion:105 Resp: 127230

Ion Ratio Lower Upper

105 100

120 26.8 21.8 32.8

77 15.0 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

100000

80000

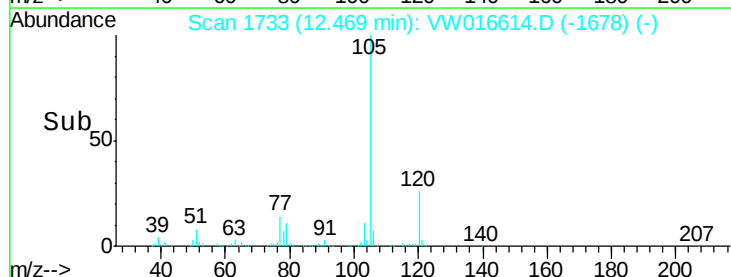
60000

40000

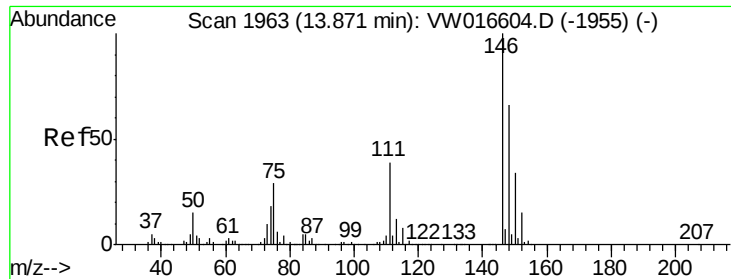
20000

0

12.40 12.45 12.50 12.55



Time-->



#65
 1,2-Dichlorobenzene
 Concen: 0.452 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.01 min
 Lab File: VW016614.D
 Acq: 22 Sep 2020 16:41

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3W8

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.7	31.4	47.0
148	59.9	49.3	73.9

Manual Integrations
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MMDadoda
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