

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011221\
 Data File : VW017838.D
 Acq On : 12 Jan 2021 16:16
 Operator : SY/VA
 Sample : M1099-01
 Misc : 2.60G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 F1C01

Manual Integrations
 APPROVED

MMDadoda
 1/15/2021 4:00:23 PM

Quant Time: Jan 14 23:30:41 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 14 23:24:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	193641	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	167135	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	55385	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	486117	162.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	648.96%#
7) Chloroethane-d5	2.89	69	61589	24.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.64%
10) 1,1-Dichloroethene-d2	4.02	63	100597	19.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.08%
20) 2-Butanone-d5	7.08	46	50017	103.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	206.00%#
24) Chloroform-d	7.65	84	129985	25.69	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.76%
26) 1,2-Dichloroethane-d4	8.31	65	87550	33.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	133.72%#
29) Benzene-d6	8.27	84	253860	26.96	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	107.84%
33) 1,2-Dichloropropane-d6	9.27	67	76383	29.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	117.72%
37) Toluene-d8	10.32	98	224700	24.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.40%
38) trans-1,3-Dichloropropene-	10.58	79	33859	29.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	117.08%
39) 2-Hexanone-d5	10.92	63	32869	100.86	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	201.72%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	70119	36.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	145.60%#
61) 1,2-Dichlorobenzene-d4	13.85	152	47818	24.79	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.16%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	2.35	62	28541539m	8877.942	ug/L	
13) Acetone	4.12	43	21290	50.771	ug/L	99
14) Carbon disulfide	4.38	76	10670	1.497	ug/L #	95
16) Methylene chloride	4.92	84	20733	7.487	ug/L	94
18) trans-1,2-Dichloroethene	5.43	96	10639	4.133	ug/L	98
21) 2-Butanone	7.18	43	7281m	12.909	ug/L	
22) cis-1,2-Dichloroethene	7.17	96	14073	5.203	ug/L	95
34) Benzene	8.32	78	7964	0.833	ug/L	100
35) Trichloroethene	9.09	95	988	0.374	ug/L #	27
44) Toluene	10.39	91	9347	0.858	ug/L	100
47) Tetrachloroethene	10.87	164	831	0.402	ug/L #	81
52) Chlorobenzene	11.66	112	3648	0.536	ug/L	95
53) Ethylbenzene	11.73	91	3911	0.316	ug/L	98
54) m,p-Xylene	11.84	106	3893	0.805	ug/L	82
55) o-xylene	12.16	106	2068	0.455	ug/L	79
57) Isopropylbenzene	12.46	105	3975	0.316	ug/L #	75
63) 1,3-Dichlorobenzene	13.49	146	4012	1.174	ug/L	90

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ALS Vial : 1 Sample Multiplier: 1

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F1C01

Manual Integrations
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Quant Time: Jan 14 23:30:41 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
Quant Title : VOC Analysis
QLast Update : Thu Jan 14 23:24:47 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,4-Dichlorobenzene	13.57	146	1385	0.403	ug/L #	65

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

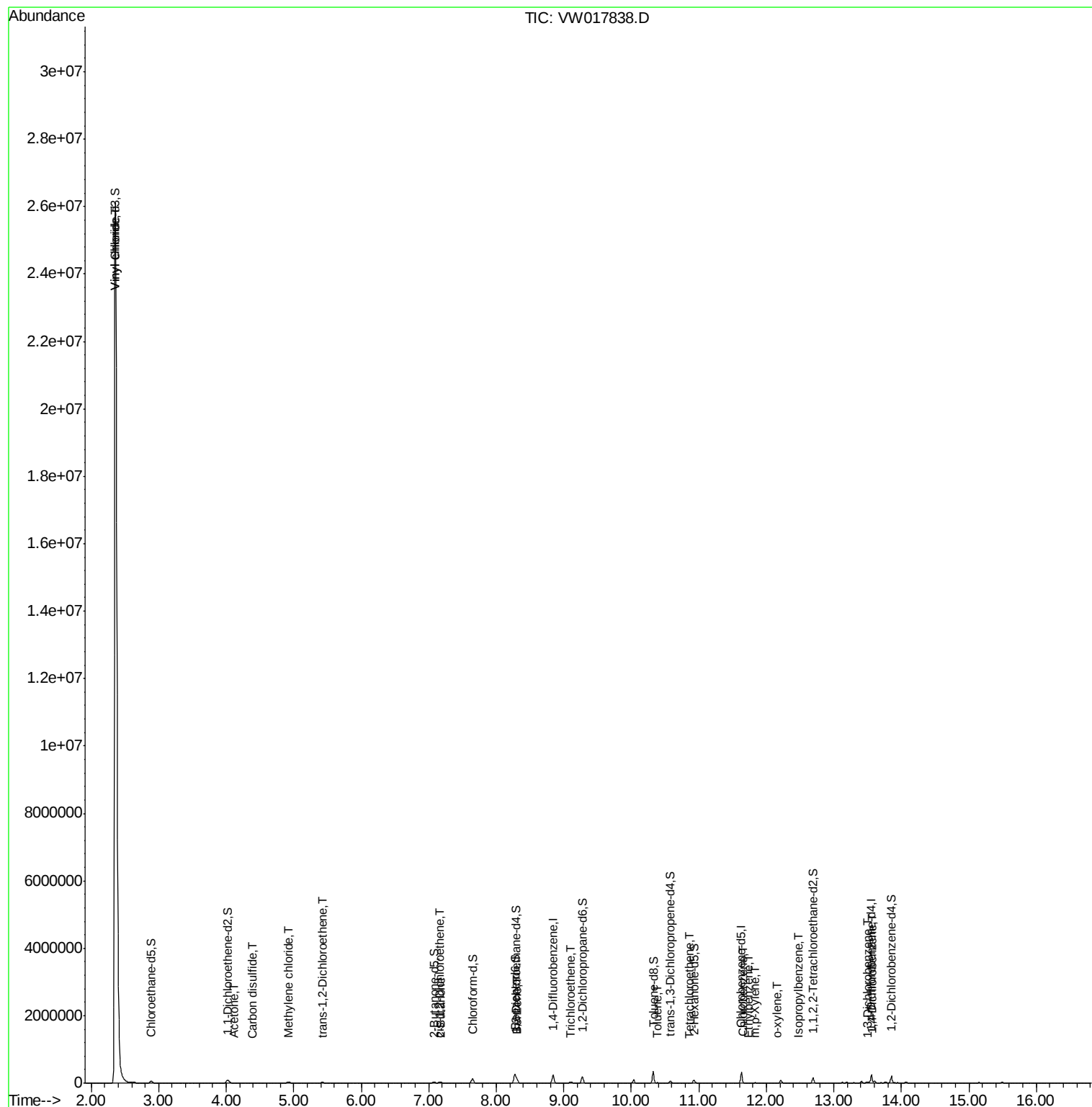
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Data File : VW017838.D
Acq On : 12 Jan 2021 16:16
Operator : SY/VA
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ALS Vial : 1 Sample Multiplier: 1

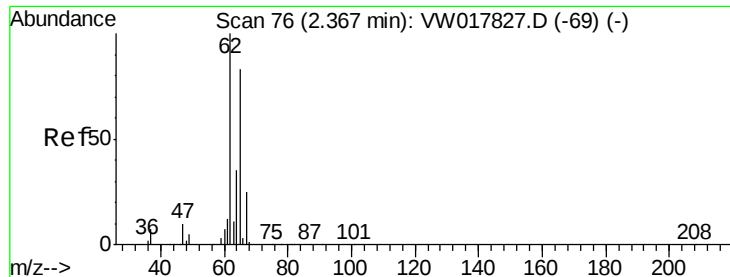
Instrument :
MSVOA_W
ClientSampleId :
F1C01

Manual Integrations
APPROVED

MMDadoda
1/15/2021 4:00:23 PM

Quant Time: Jan 14 23:30:41 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
Quant Title : VOC Analysis
QLast Update : Thu Jan 14 23:24:47 2021
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 8877.942 ug/L m

RT: 2.35 min Scan# 73

Delta R.T. -0.01 min

Lab File: VW017838.D

Acq: 12 Jan 2021 16:16

Instrument :

MSVOA_W

ClientSampleId :

F1C01

Tot Ion: 62 Resp: 28541539

Ion Ratio Lower Upper

62 100

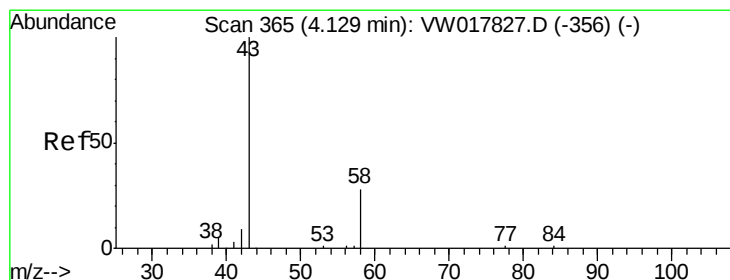
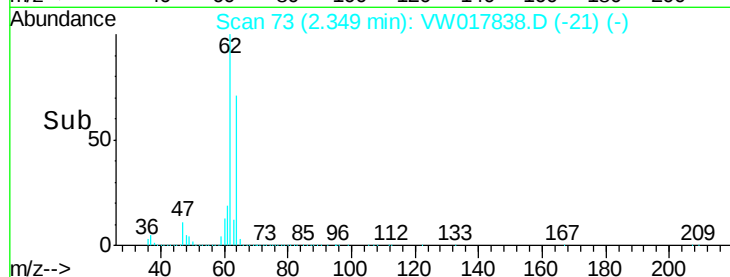
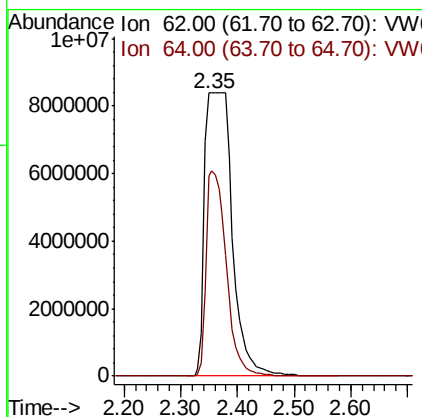
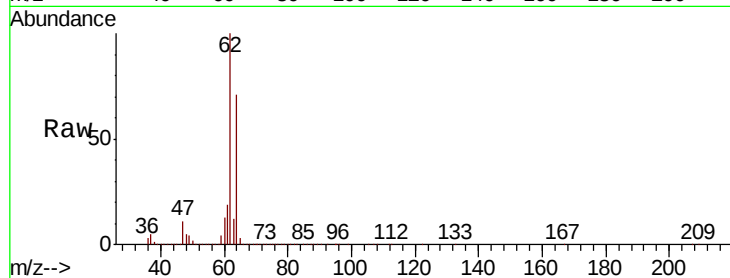
64 70.8 23.3 43.3#

Manual Integrations

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#13

Acetone

Concen: 50.771 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW017838.D

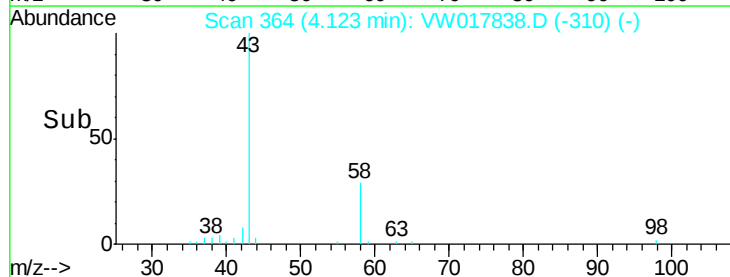
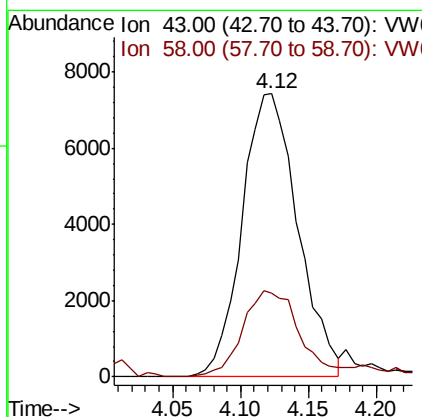
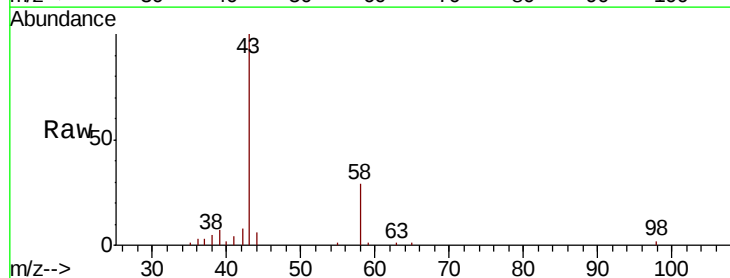
Acq: 12 Jan 2021 16:16

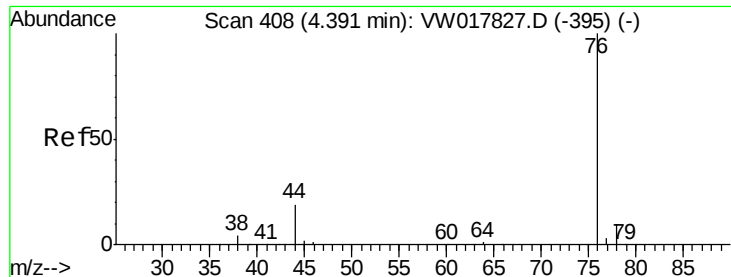
Tgt Ion: 43 Resp: 21290

Ion Ratio Lower Upper

43 100

58 31.2 0.0 60.8





#14

Carbon disulfide

Concen: 1.497 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW017838.D

Acq: 12 Jan 2021 16:16

Instrument :

MSVOA_W

ClientSampleId :

F1C01

Tot Ion: 76 Resp: 10670

Ion Ratio Lower Upper

76 100

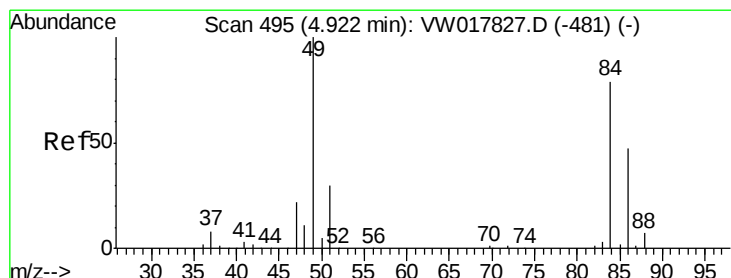
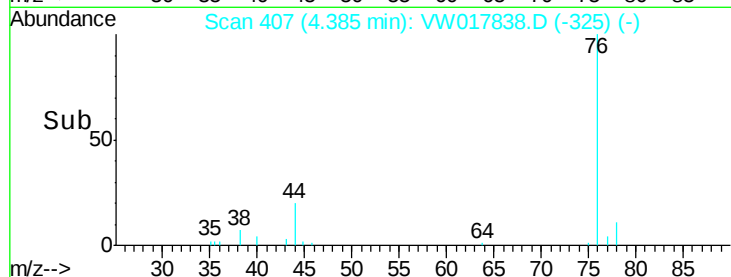
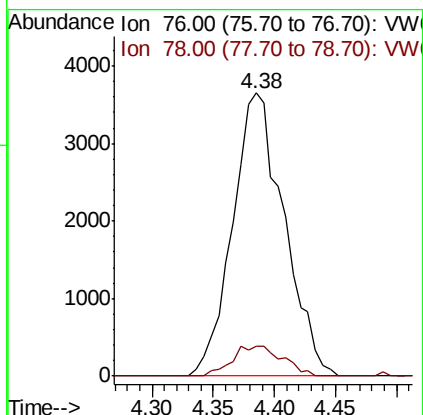
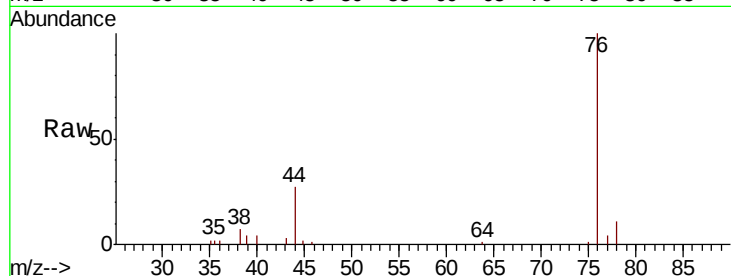
78 10.8 7.1 10.7#

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#16

Methylene chloride

Concen: 7.487 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW017838.D

Acq: 12 Jan 2021 16:16

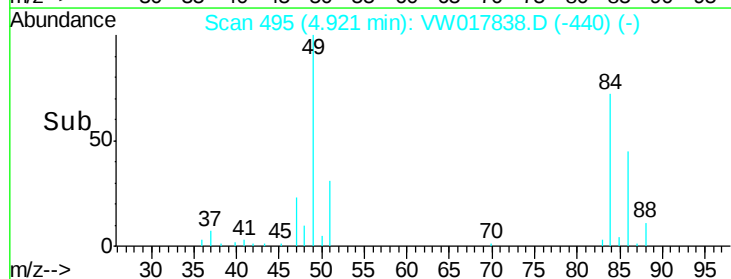
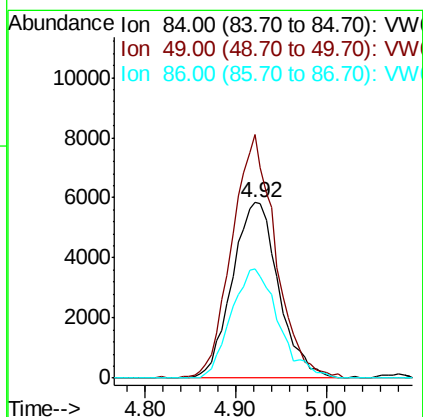
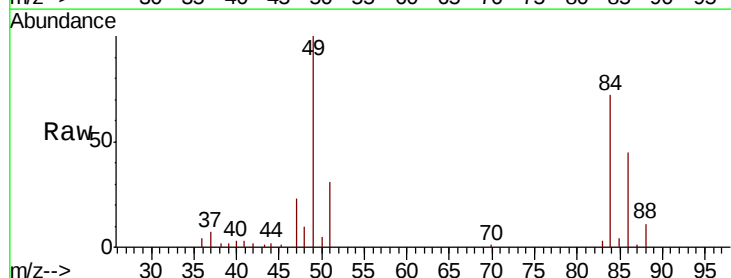
Tgt Ion: 84 Resp: 20733

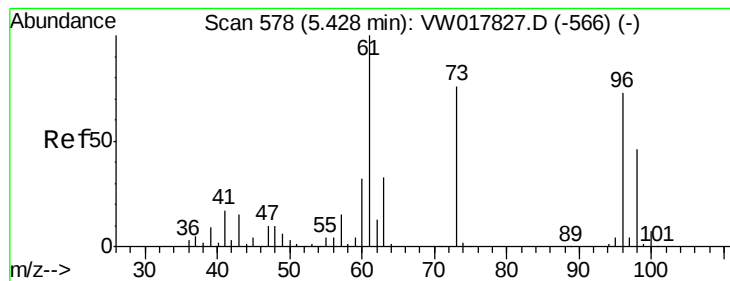
Ion Ratio Lower Upper

84 100

49 138.8 90.5 168.1

86 62.0 44.8 83.2





#18

trans-1,2-Dichloroethene

Concen: 4.133 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW017838.D

Acq: 12 Jan 2021 16:16

Instrument :

MSVOA_W

ClientSampleId :

F1C01

Tot Ion: 96 Resp: 10639

Ion Ratio Lower Upper

96 100

61 141.4 99.5 184.9

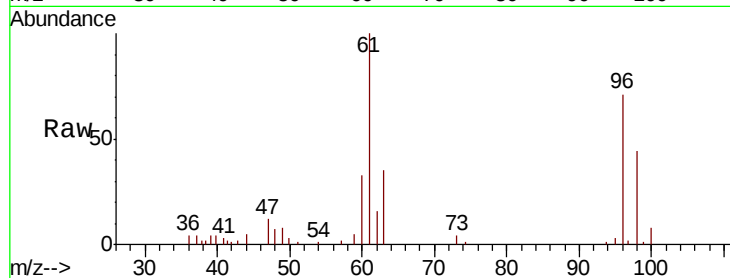
98 62.5 45.8 85.2

Manual Integrations

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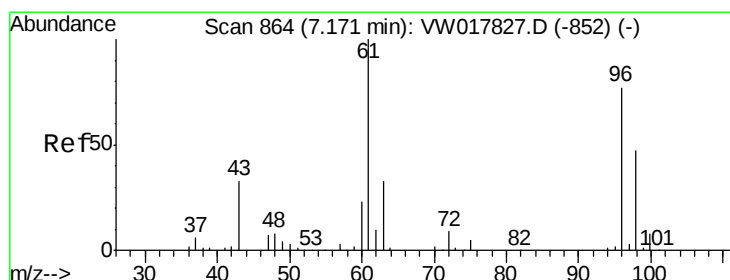
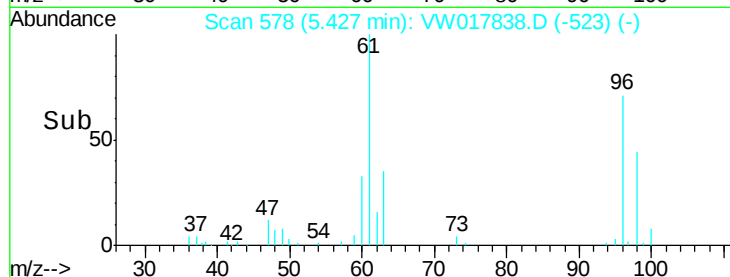
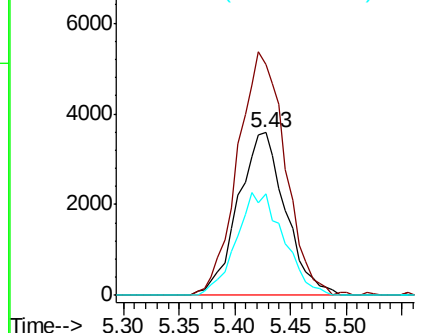
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Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW



#21

2-Butanone

Concen: 12.909 ug/L m

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW017838.D

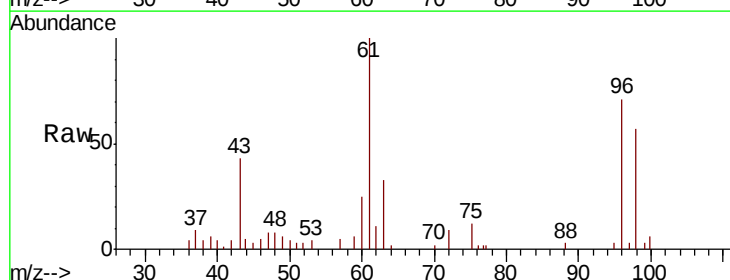
Acq: 12 Jan 2021 16:16

Tgt Ion: 43 Resp: 7281

Ion Ratio Lower Upper

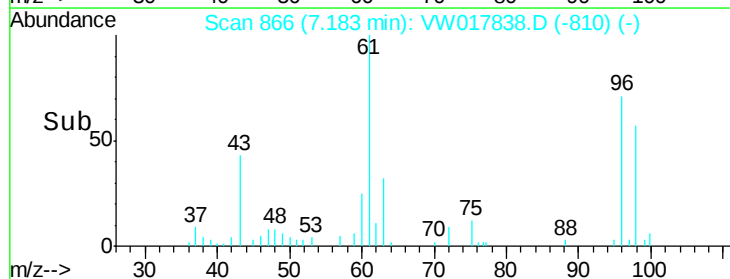
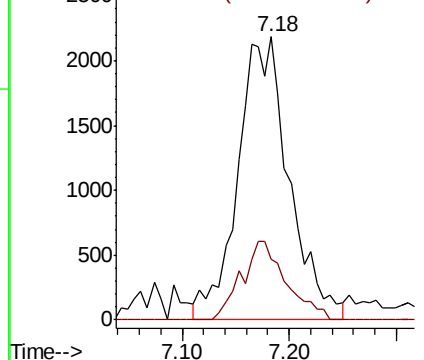
43 100

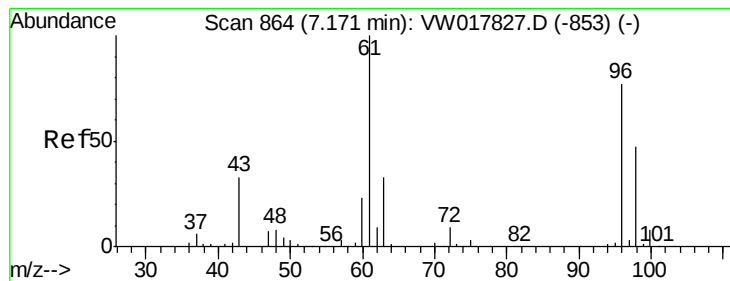
72 24.3 15.4 46.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#22

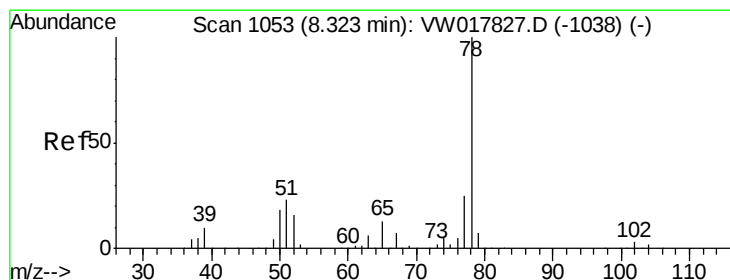
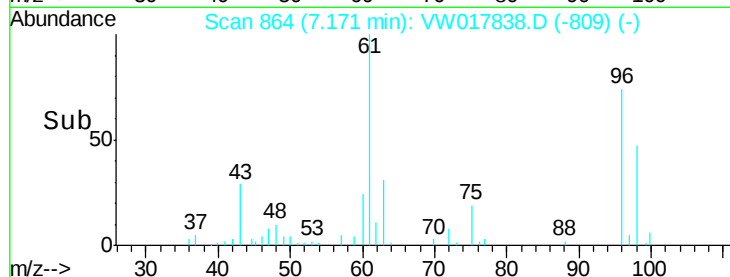
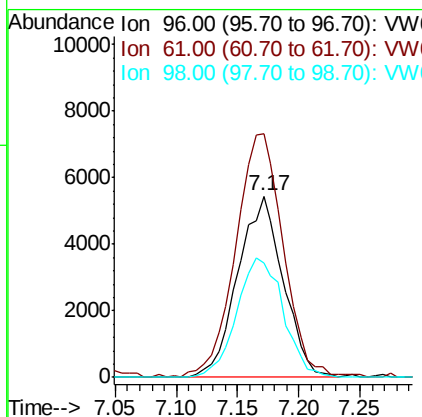
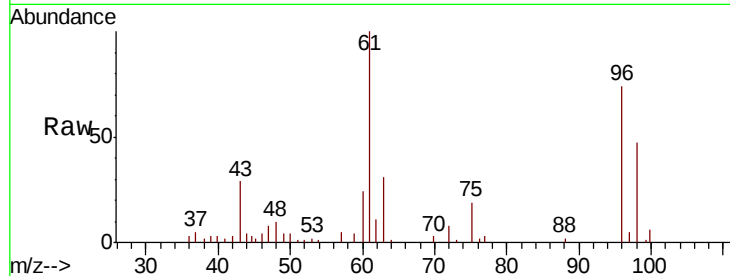
cis-1,2-Dichloroethene
Concen: 5.203 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW017838.D
Acq: 12 Jan 2021 16:16

Instrument :
MSVOA_W
ClientSampled :
F1C01

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.2	88.2	163.8
98	63.0	43.7	81.1

Manual Integrations
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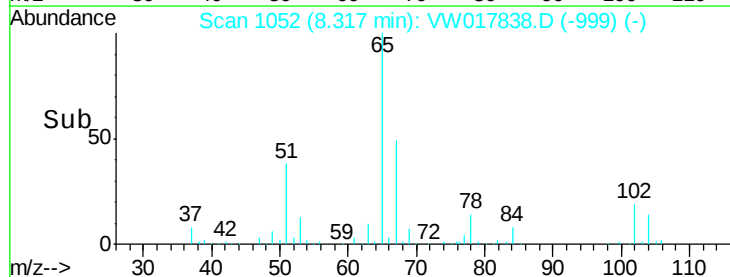
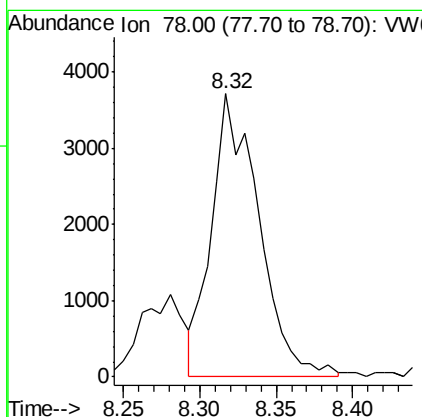
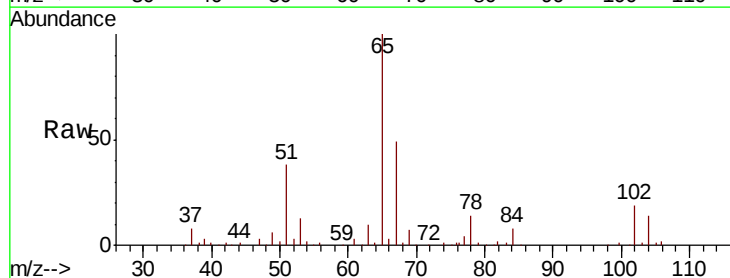
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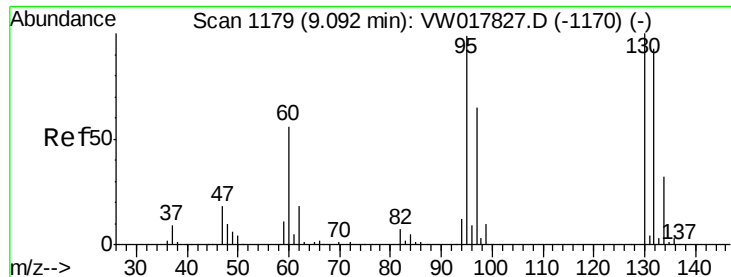


#34

Benzene
Concen: 0.833 ug/L
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW017838.D
Acq: 12 Jan 2021 16:16

Tgt Ion: 78 Resp: 7964





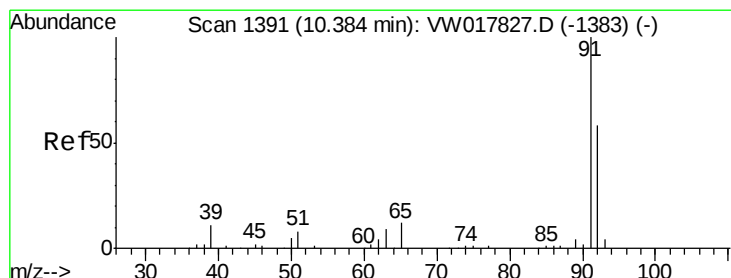
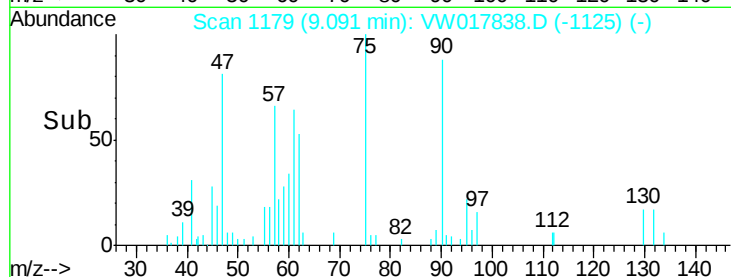
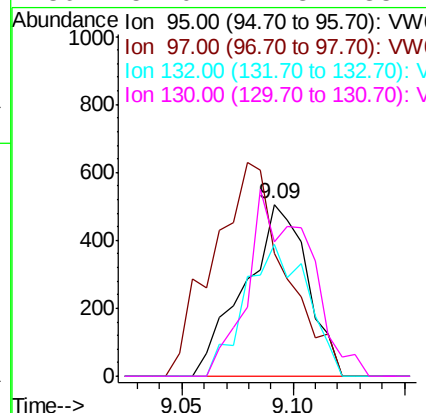
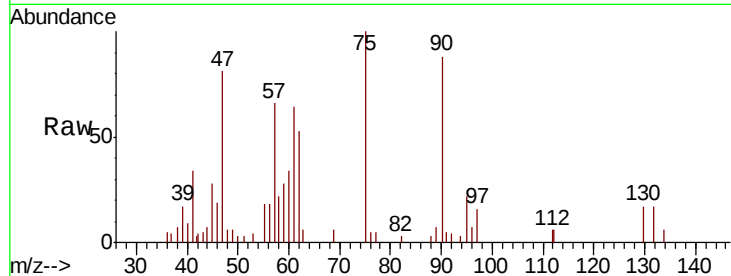
#35
 Trichloroethene
 Concen: 0.374 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW017838.D
 Acq: 12 Jan 2021 16:16

Instrument :
 MSVOA_W
 ClientSampled :
 F1C01

Tot Ion	Ratio	Lower	Upper
95	100		
97	215.6	46.8	87.0#
132	76.3	68.3	126.9
130	54.0	71.8	133.4#

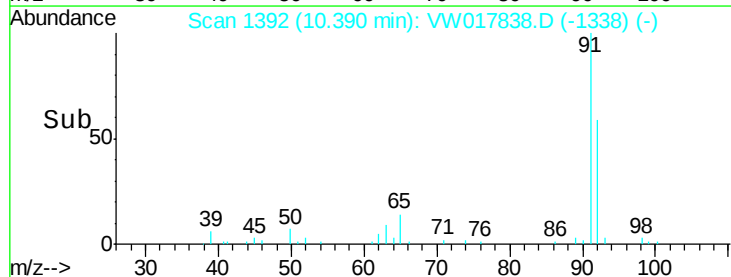
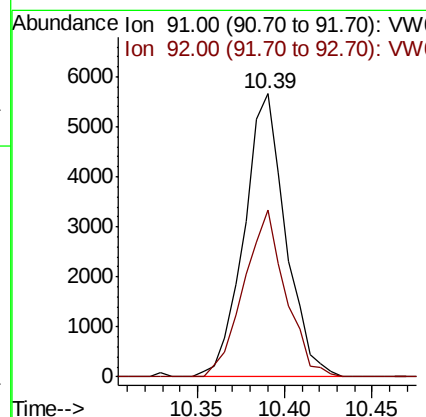
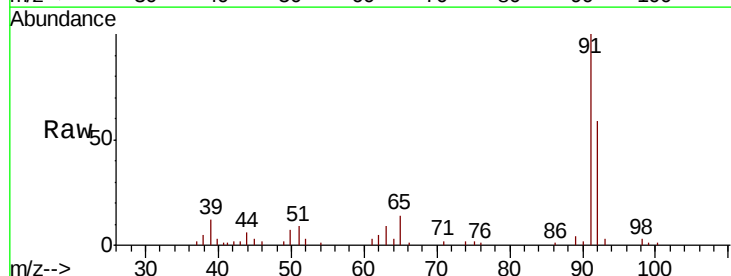
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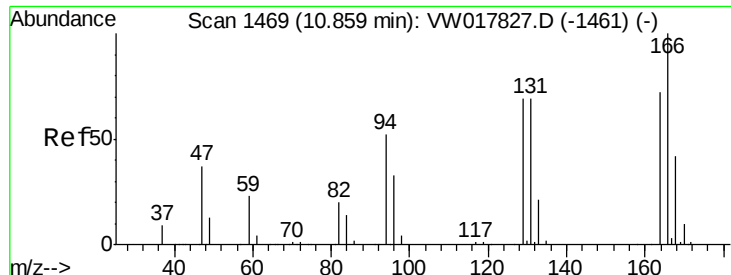
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#44
 Toluene
 Concen: 0.858 ug/L
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW017838.D
 Acq: 12 Jan 2021 16:16

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.9	41.0	76.2





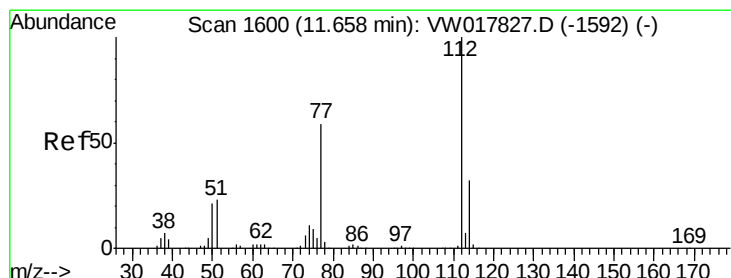
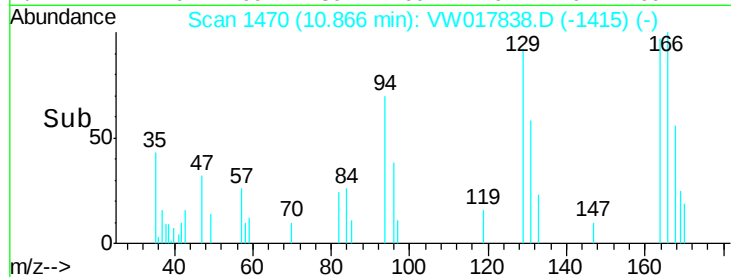
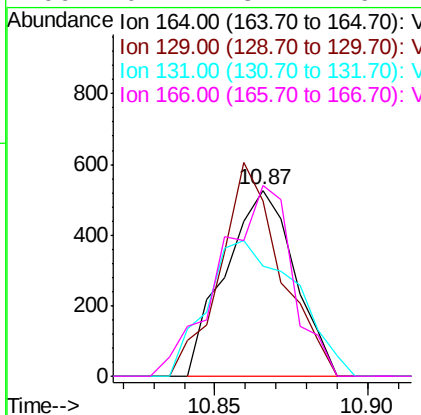
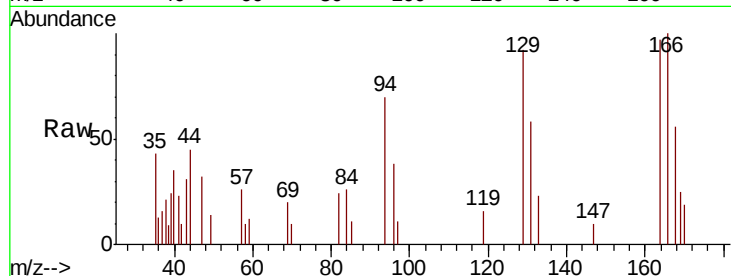
#47
Tetrachloroethene
Concen: 0.402 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW017838.D
Acq: 12 Jan 2021 16:16

Instrument :
MSVOA_W
ClientSampled :
F1C01

Tot Ion	Ratio	Lower	Upper
164	100		
129	94.3	62.9	116.9
131	59.5	63.8	118.6
166	102.7	87.4	162.2

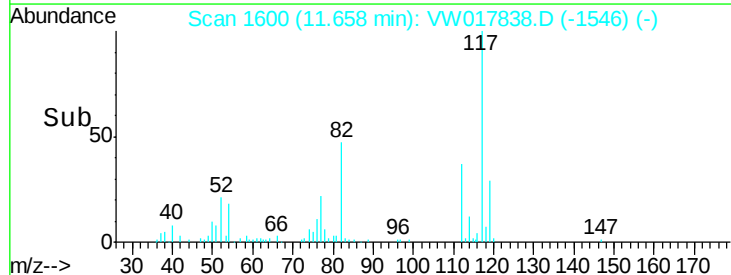
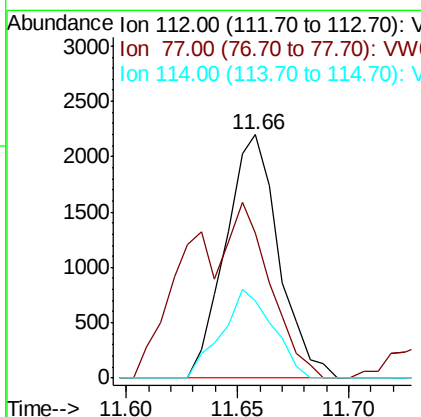
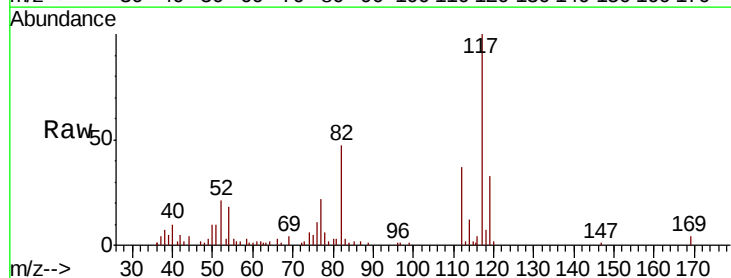
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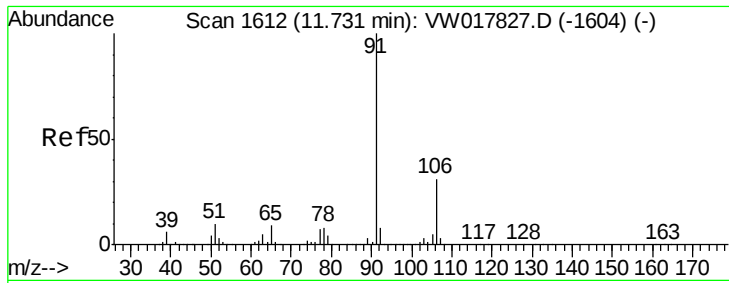
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1/15/2021 4:00:23 PM



#52
Chlorobenzene
Concen: 0.536 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW017838.D
Acq: 12 Jan 2021 16:16

Tgt Ion	Ratio	Lower	Upper
112	100		
77	59.5	43.4	65.2
114	31.5	21.6	40.2





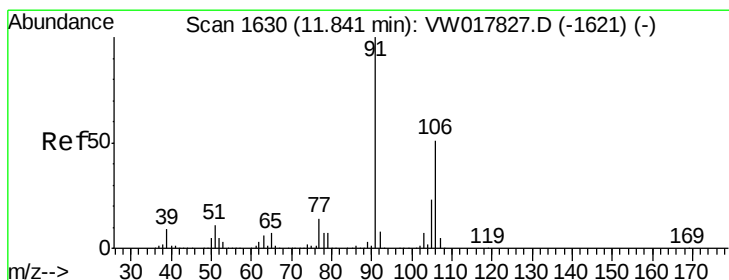
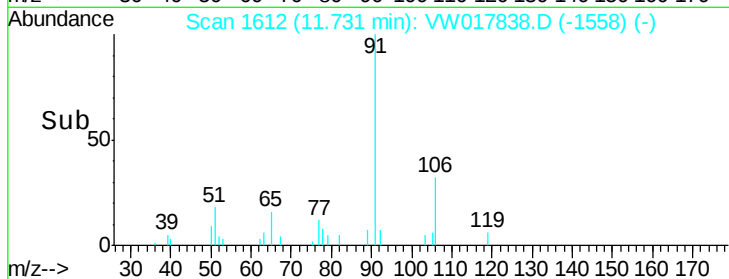
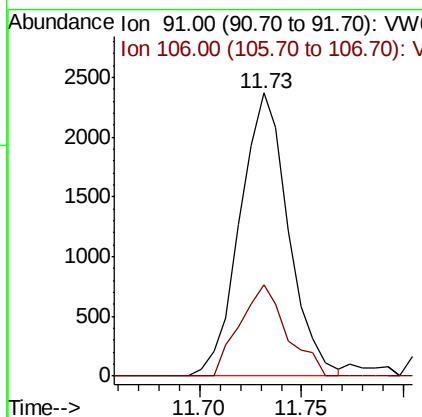
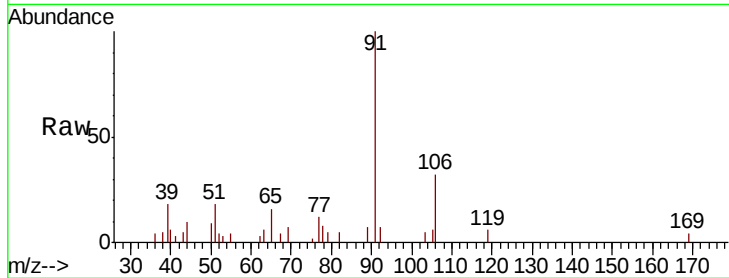
#53
Ethylbenzene
Concen: 0.316 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017838.D
Acq: 12 Jan 2021 16:16

Instrument :
MSVOA_W
ClientSampleId :
F1C01

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.5	22.0	41.0

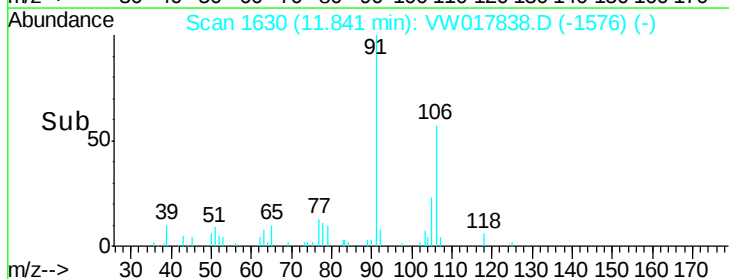
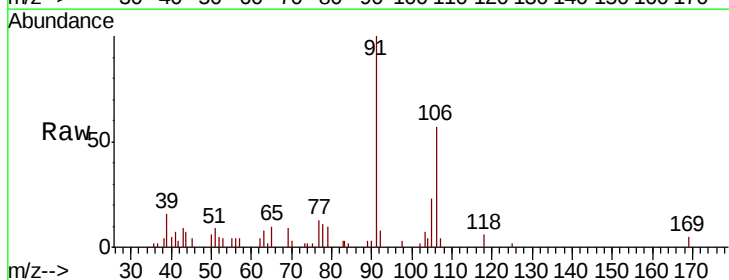
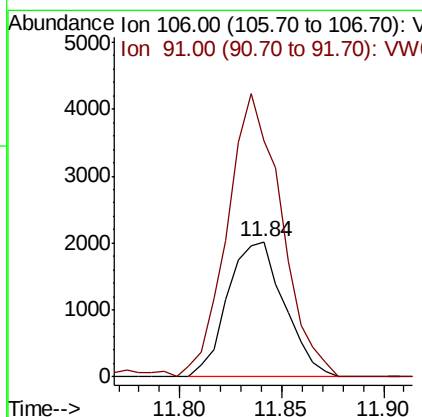
Manual Integrations
APPROVED

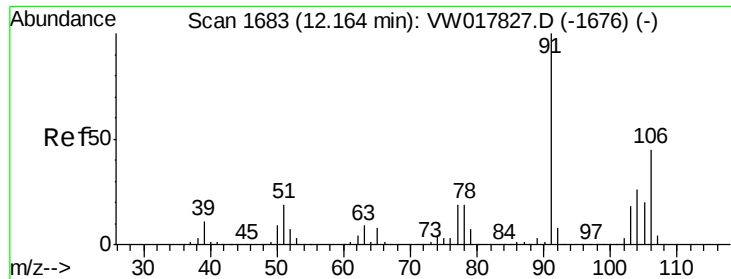
MMDadoda
1/15/2021 4:00:23 PM



#54
m,p-Xylene
Concen: 0.805 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW017838.D
Acq: 12 Jan 2021 16:16

Tgt Ion	Ratio	Lower	Upper
106	100		
91	175.3	141.6	263.0





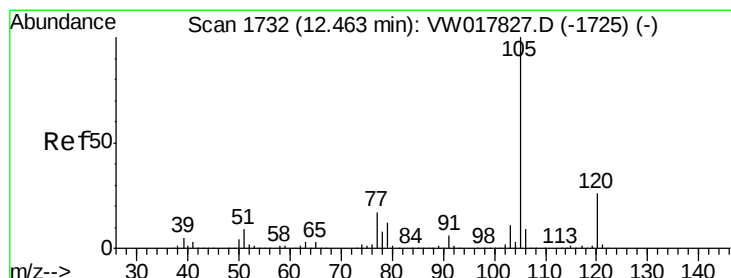
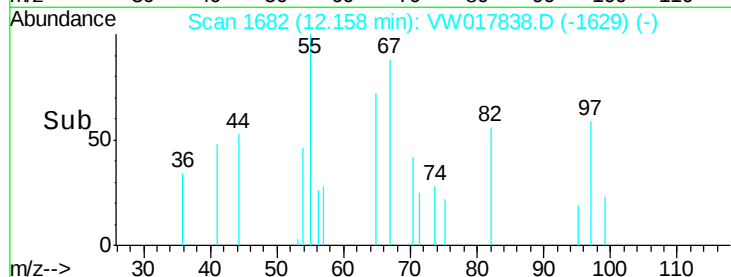
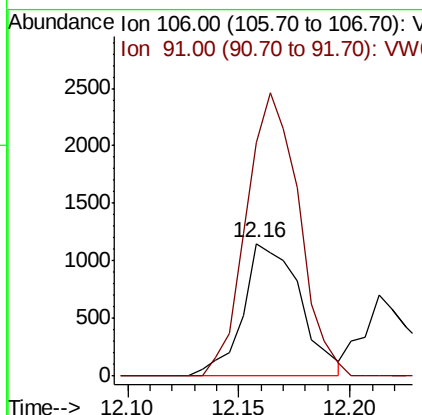
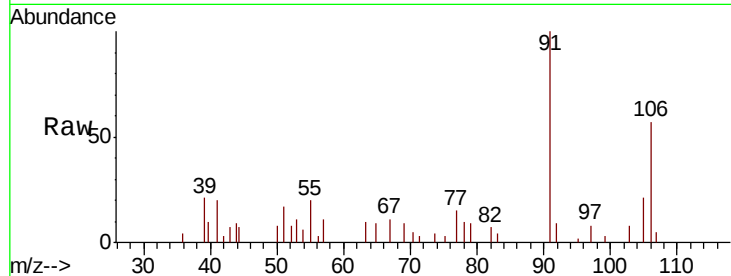
#55
o-xylene
Concen: 0.455 ug/L
RT: 12.16 min Scan# 1682
Delta R.T. -0.01 min
Lab File: VW017838.D
Acq: 12 Jan 2021 16:16

Instrument :
MSVOA_W
ClientSampleId :
F1C01

Tot Ion:106 Resp: 2068
Ion Ratio Lower Upper
106 100
91 176.0 145.7 270.7

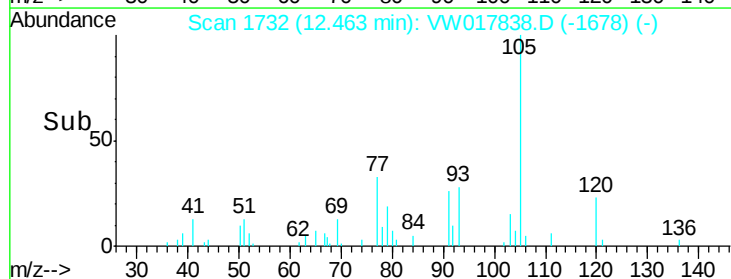
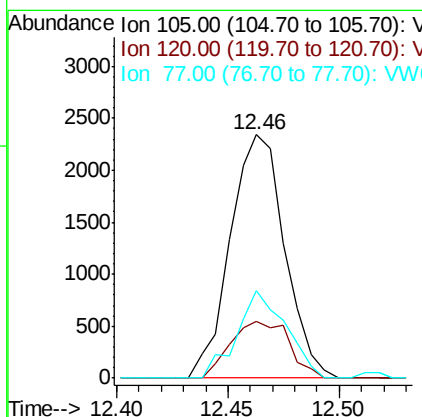
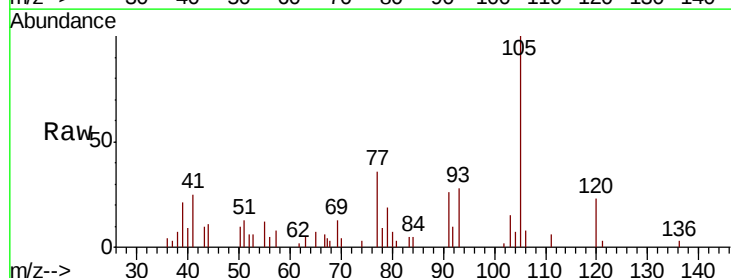
Manual Integrations
APPROVED

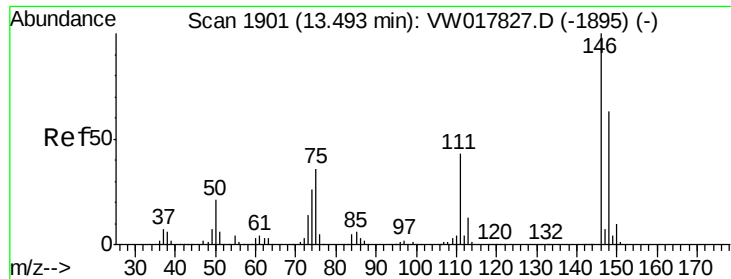
MMDadoda
1/15/2021 4:00:23 PM



#57
Isopropylbenzene
Concen: 0.316 ug/L
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW017838.D
Acq: 12 Jan 2021 16:16

Tgt Ion:105 Resp: 3975
Ion Ratio Lower Upper
105 100
120 18.1 21.4 32.2#
77 32.6 12.7 19.1#





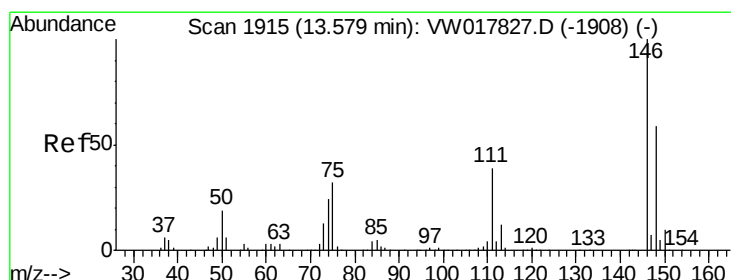
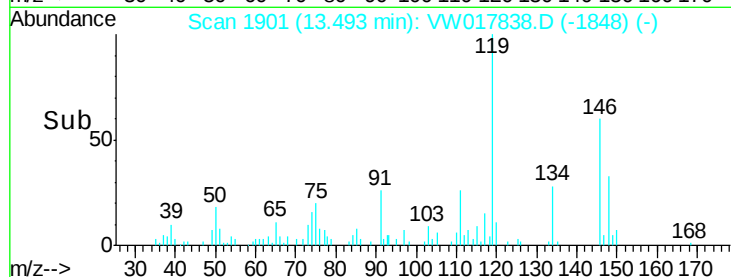
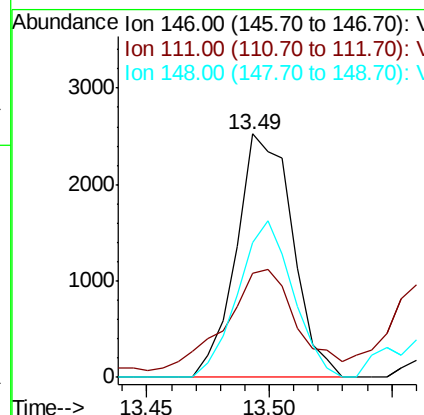
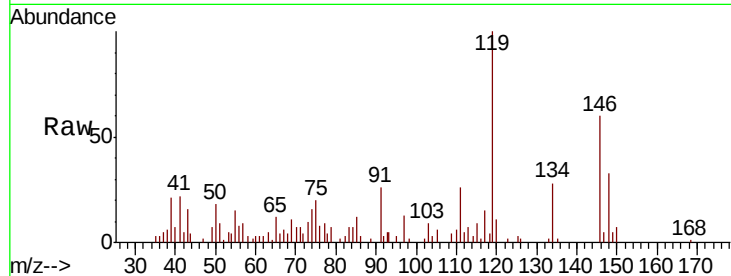
#63
 1,3-Dichlorobenzene
 Concen: 1.174 ug/L
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW017838.D
 Acq: 12 Jan 2021 16:16

Instrument :
 MSVOA_W
 ClientSampleId :
 F1C01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	29.5	54.7
148	55.4	47.7	88.5

Manual Integrations
 APPROVED

MMDadoda
 1/15/2021 4:00:23 PM



#64
 1,4-Dichlorobenzene
 Concen: 0.403 ug/L
 RT: 13.57 min Scan# 1914
 Delta R.T. -0.01 min
 Lab File: VW017838.D
 Acq: 12 Jan 2021 16:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	85.4	27.7	51.5#
148	55.8	44.2	82.2

