

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011221\
 Data File : VW017839.D
 Acq On : 12 Jan 2021 16:39
 Operator : SY/VA
 Sample : M1099-02
 Misc : 2.70G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 F1C02

Manual Integrations
 APPROVED

MMDadoda
 1/13/2021 4:36:20 PM

Quant Time: Jan 22 05:06:43 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 08 21:58:14 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	246661	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	173990	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	68952	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.32	65	899399m	235.66	ug/L	-0.03
Spiked Amount	25.000	Range	30 - 150	Recovery	=	942.64%#
7) Chloroethane-d5	2.88	69	61681	19.58	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.32%
10) 1,1-Dichloroethene-d2	4.04	63	521600	78.44	ug/L	0.02
Spiked Amount	25.000	Range	45 - 110	Recovery	=	313.76%#
20) 2-Butanone-d5	0.00	46	0d	0.00	ug/L	
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.00%#
24) Chloroform-d	7.66	84	147078	22.82	ug/L	0.01
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.28%
26) 1,2-Dichloroethane-d4	8.31	65	98282	29.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	117.84%
29) Benzene-d6	8.28	84	307841	31.41	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	125.64%
33) 1,2-Dichloropropane-d6	9.29	67	119218	44.13	ug/L	0.01
Spiked Amount	25.000	Range	70 - 120	Recovery	=	176.52%#
37) Toluene-d8	10.33	98	258071	27.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	109.68%
38) trans-1,3-Dichloropropene-	10.59	79	45580	37.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	151.40%#
39) 2-Hexanone-d5	10.93	63	31191	91.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	183.88%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	73956	36.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	147.52%#
61) 1,2-Dichlorobenzene-d4	13.85	152	58775	24.48	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.92%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	2.32	62	54075838m	13204.897	ug/L	
12) 1,1-Dichloroethene	4.04	96	686975	225.986	ug/L #	77
13) Acetone	4.12	43	50303	94.175	ug/L	64
14) Carbon disulfide	4.39	76	898298	98.961	ug/L	100
16) Methylene chloride	4.93	84	18622	5.279	ug/L	85
18) trans-1,2-Dichloroethene	5.43	96	2937351	895.833	ug/L	97
22) cis-1,2-Dichloroethene	7.13	96	66711947m	19362.100	ug/L	
34) Benzene	8.34	78	39936	4.014	ug/L	100
35) Trichloroethene	9.09	95	47379359m	17206.063	ug/L	
44) Toluene	10.40	91	45353	3.998	ug/L	99
47) Tetrachloroethene	10.88	164	35243667m	16370.405	ug/L	
52) Chlorobenzene	11.66	112	22031	3.111	ug/L	93
53) Ethylbenzene	11.73	91	16259	1.263	ug/L	91
54) m,p-Xylene	11.84	106	19143	3.802	ug/L	99
55) o-xylene	12.17	106	6711	1.417	ug/L	94
57) Isopropylbenzene	12.47	105	8934	0.681	ug/L #	75
63) 1,3-Dichlorobenzene	13.50	146	60488	14.213	ug/L	96

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Quant Title : VOC Analysis
QLast Update : Fri Jan 08 21:58:14 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,4-Dichlorobenzene	13.58	146	33590	7.854	ug/L	88
68) 1,2,4-trichlorobenzene	15.13	180	2676	1.114	ug/L #	60

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

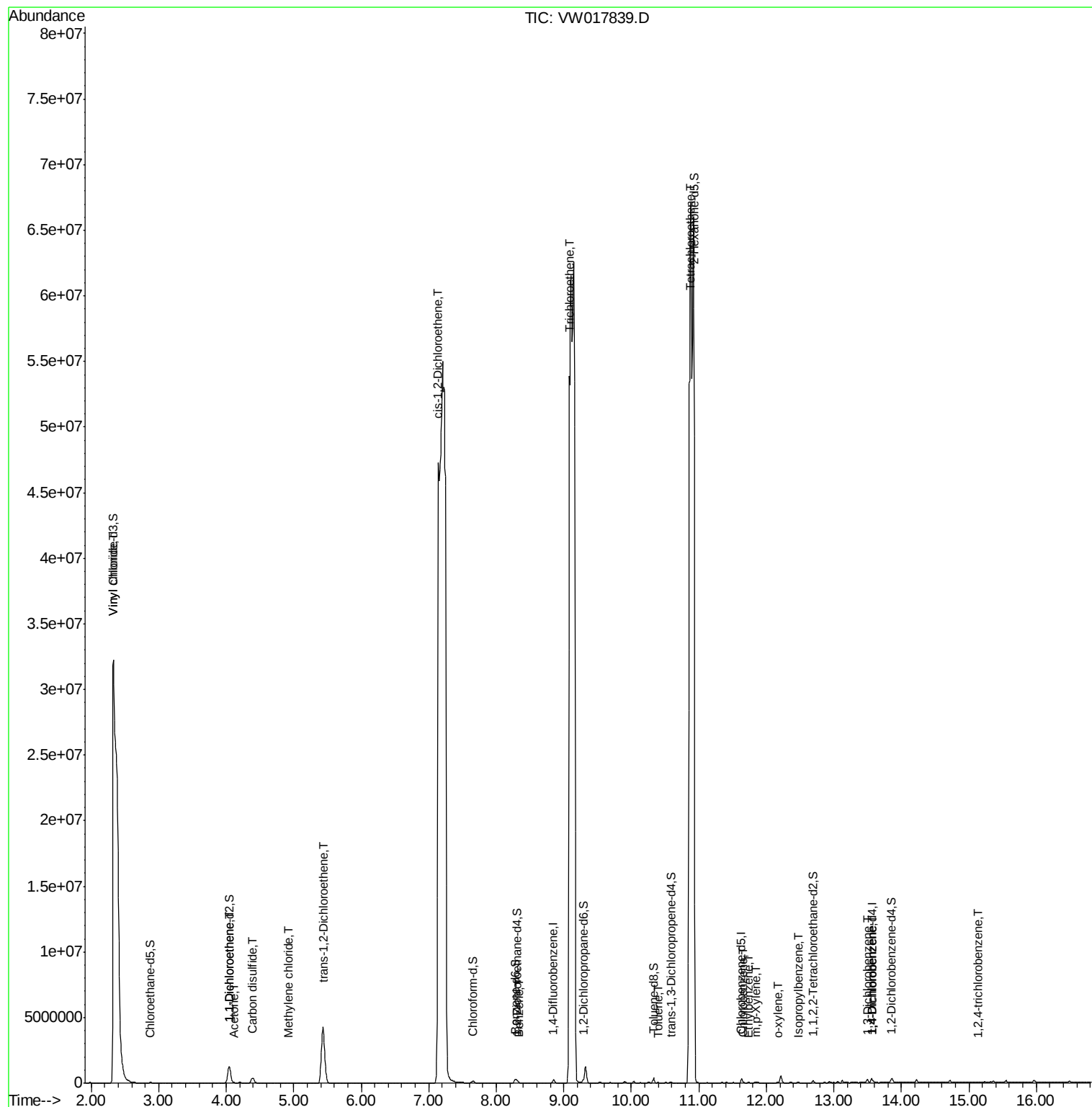
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011221\
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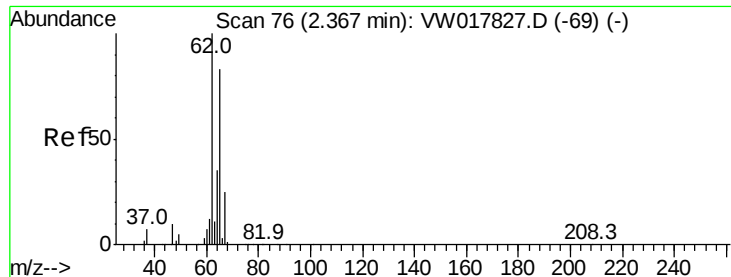
Instrument :
MSVOA_W
ClientSampleId :
F1C02

Manual Integrations
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MMDadoda
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Quant Time: Jan 22 05:06:43 2021
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Quant Title : VOC Analysis
QLast Update : Fri Jan 08 21:58:14 2021
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 13204.897 ug/L m

RT: 2.32 min Scan# 69

Delta R.T. -0.04 min

Lab File: VW017839.D

Acq: 12 Jan 2021 16:39

Instrument :

MSVOA_W

ClientSampleId :

F1C02

Tot Ion: 62 Resp: 54075838

Ion Ratio Lower Upper

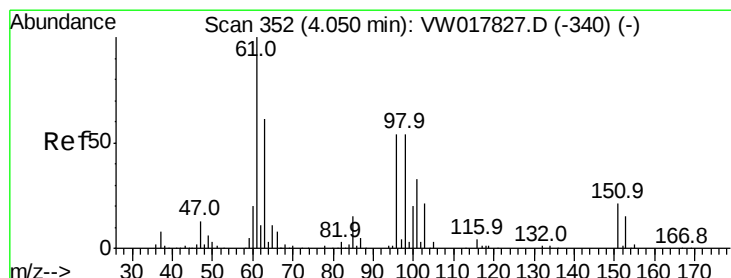
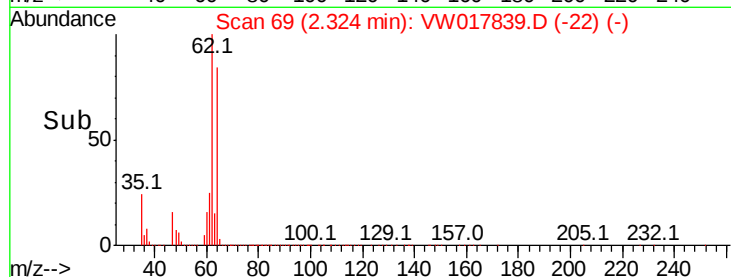
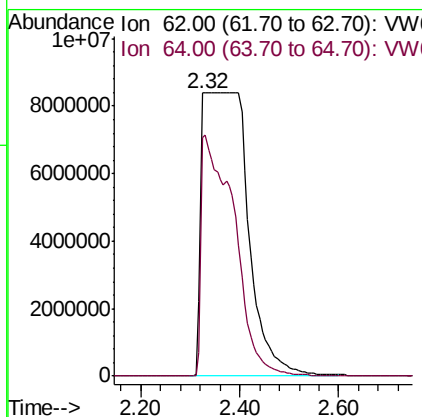
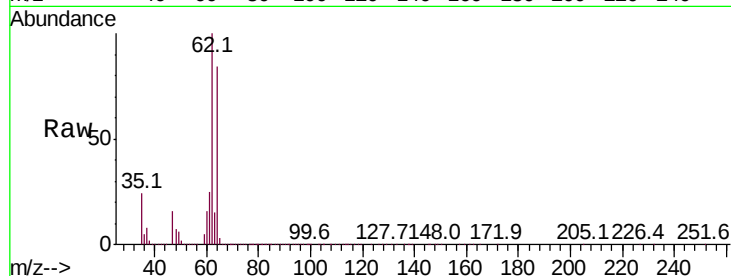
62 100

64 84.3 23.3 43.3#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 225.986 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW017839.D

Acq: 12 Jan 2021 16:39

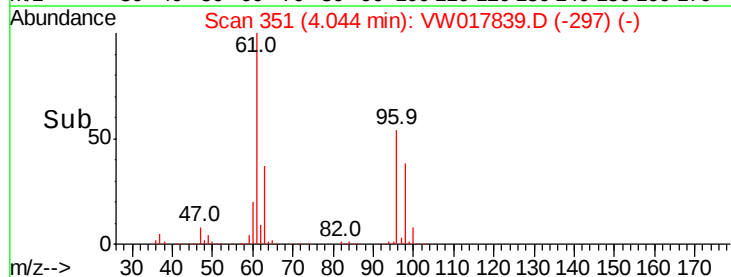
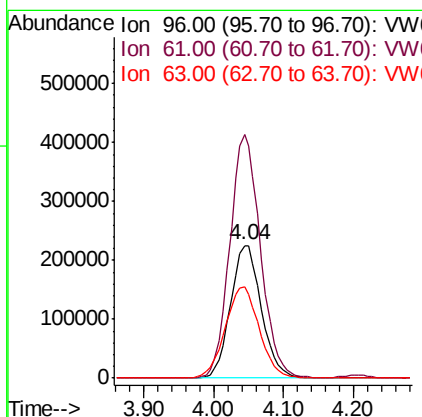
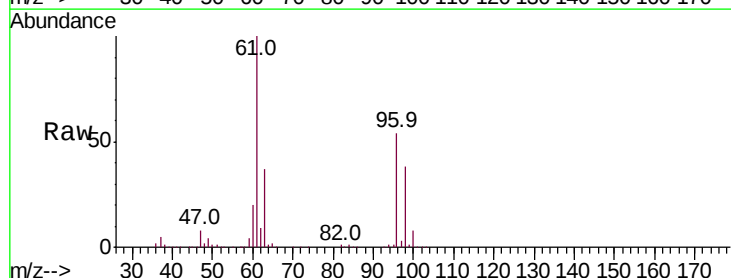
Tgt Ion: 96 Resp: 686975

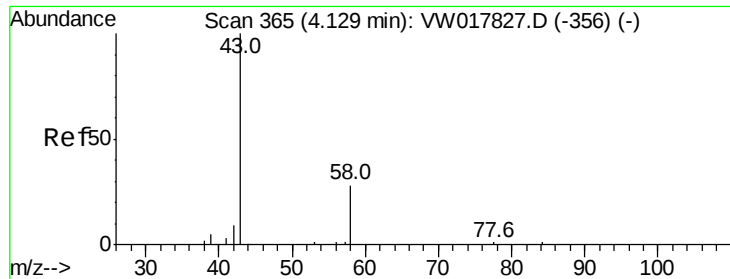
Ion Ratio Lower Upper

96 100

61 183.5 126.1 234.1

63 68.7 90.0 167.2#





#13

Acetone

Concen: 94.175 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW017839.D

Acq: 12 Jan 2021 16:39

Instrument :

MSVOA_W

ClientSampleId :

F1C02

Tot Ion: 43 Resp: 50303

Ion Ratio Lower Upper

43 100

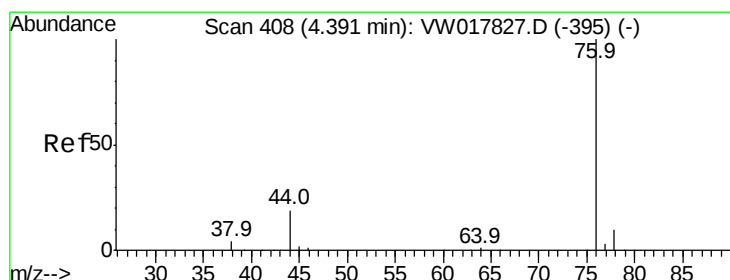
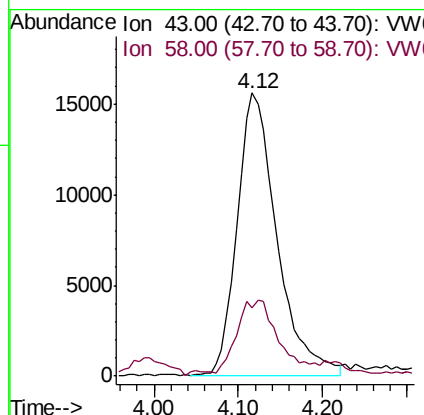
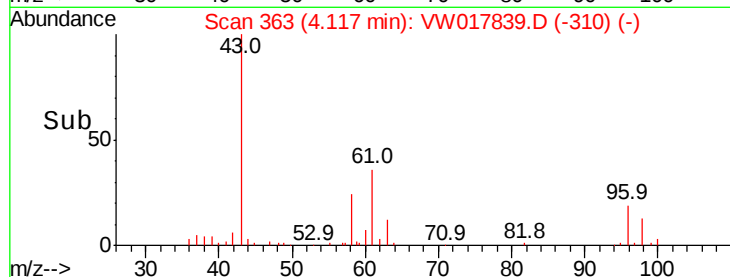
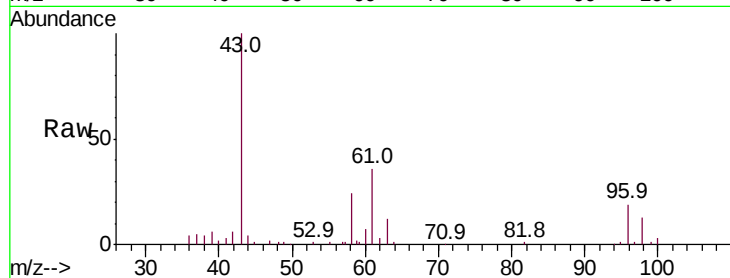
58 11.0 0.0 60.8

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1/13/2021 4:36:20 PM



#14

Carbon disulfide

Concen: 98.961 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017839.D

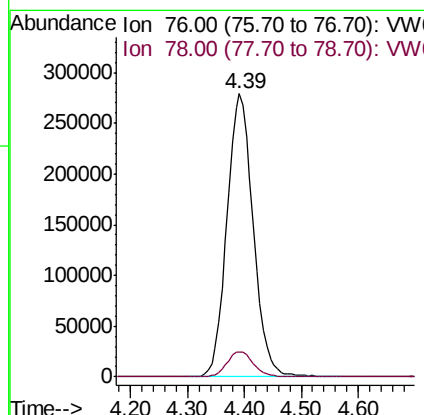
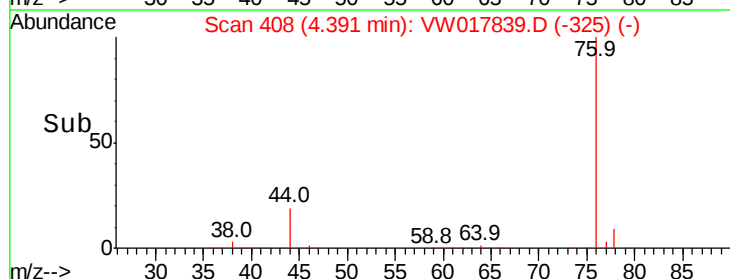
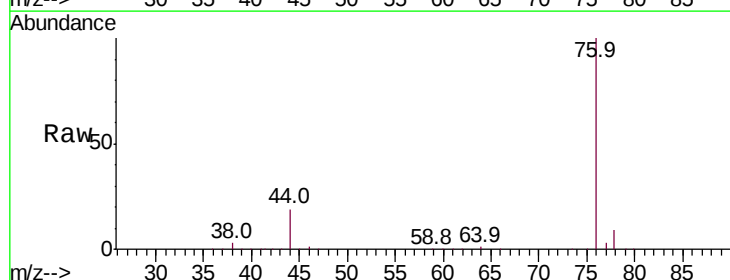
Acq: 12 Jan 2021 16:39

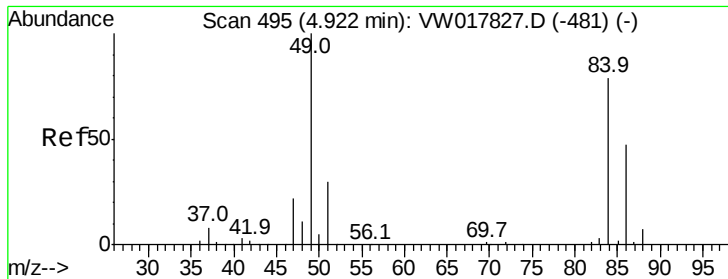
Tgt Ion: 76 Resp: 898298

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7





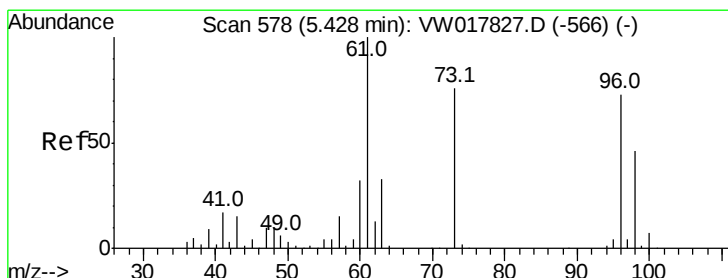
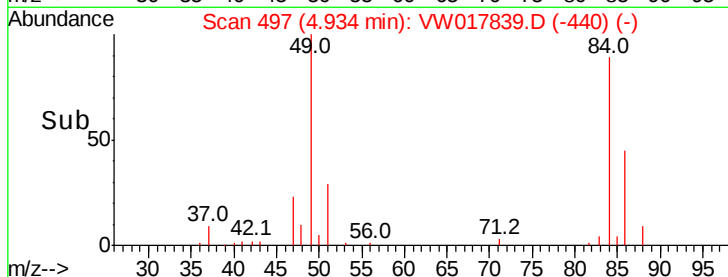
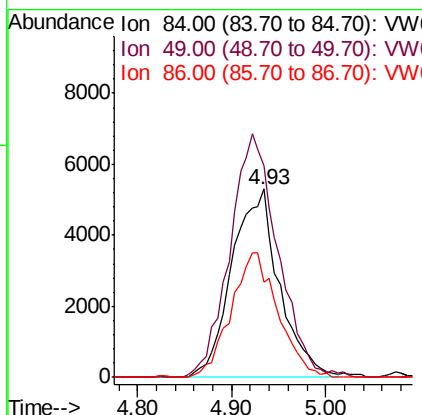
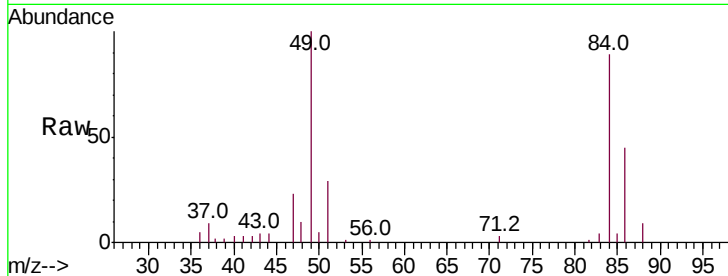
#16
Methvlene chloride
Concen: 5.279 ug/L
RT: 4.93 min Scan# 497
Delta R.T. 0.02 min
Lab File: VW017839.D
Acq: 12 Jan 2021 16:39

Instrument :
MSVOA_W
ClientSampled :
F1C02

Tot Ion	Ratio	Lower	Upper
84	100		
49	112.5	90.5	168.1
86	50.4	44.8	83.2

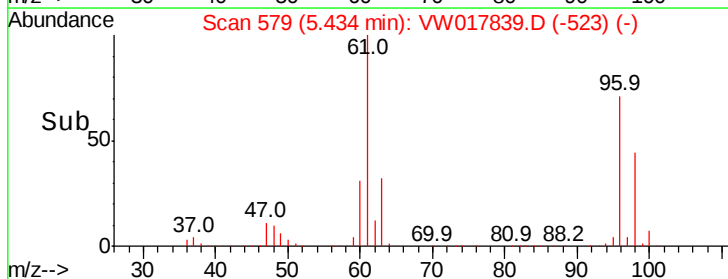
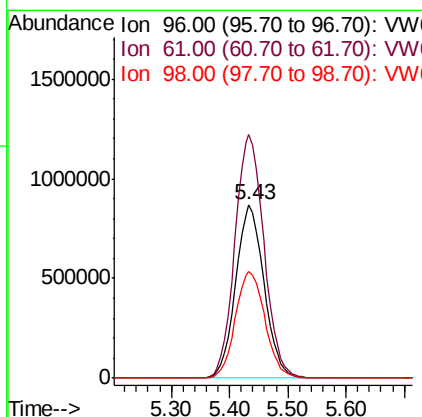
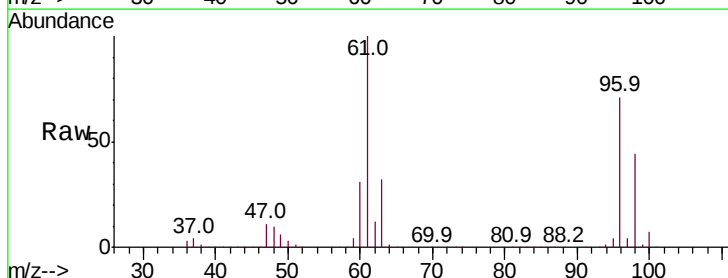
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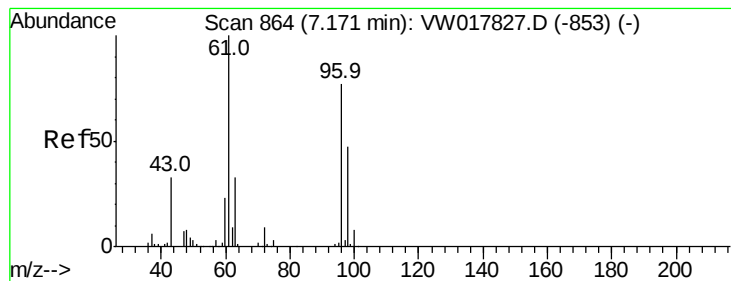
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#18
trans-1,2-Dichloroethene
Concen: 895.833 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW017839.D
Acq: 12 Jan 2021 16:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.1	99.5	184.9
98	61.6	45.8	85.2





#22

cis-1,2-Dichloroethene

Concen: 19362.100 ug/L m

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW017839.D

Acq: 12 Jan 2021 16:39

Instrument :

MSVOA_W

ClientSampled :

F1C02

Tot Ion: 96 Resp: 66711947

Ion Ratio Lower Upper

96 100

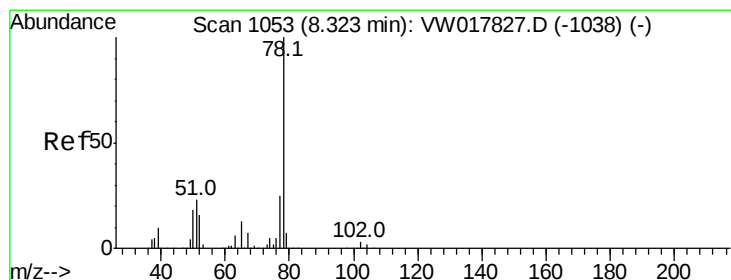
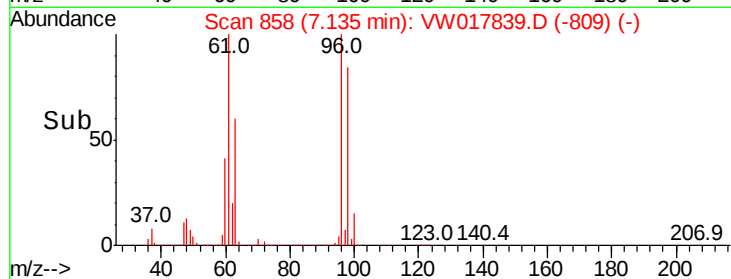
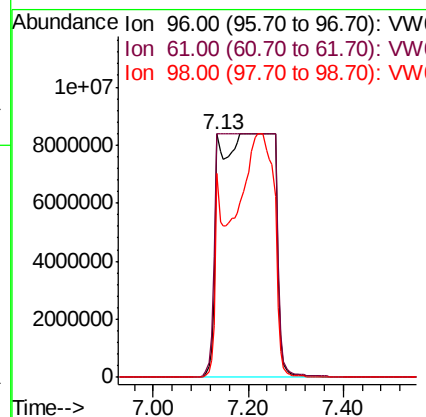
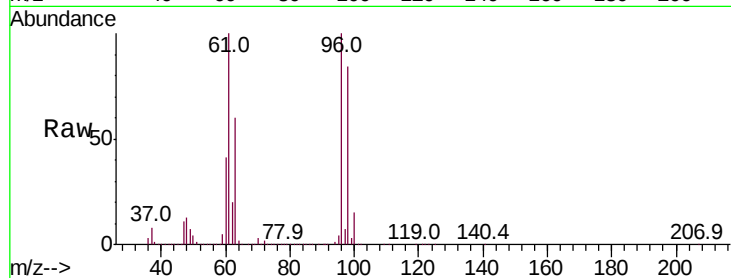
61 100.0 88.2 163.8

98 83.7 43.7 81.1#

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#34

Benzene

Concen: 4.014 ug/L

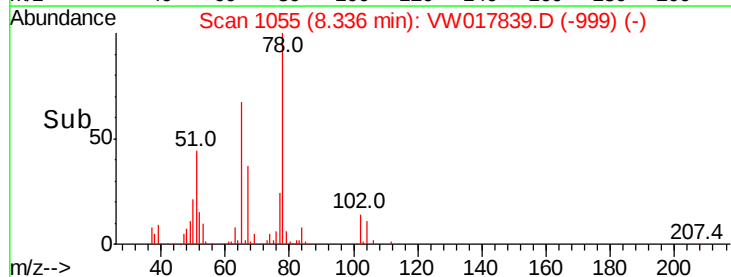
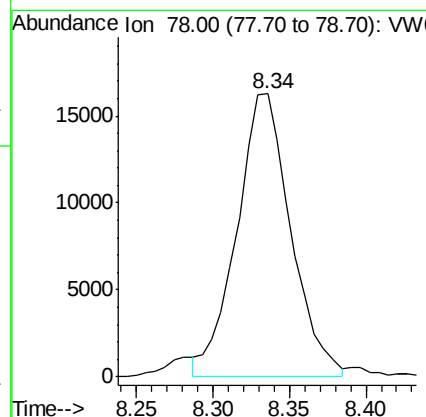
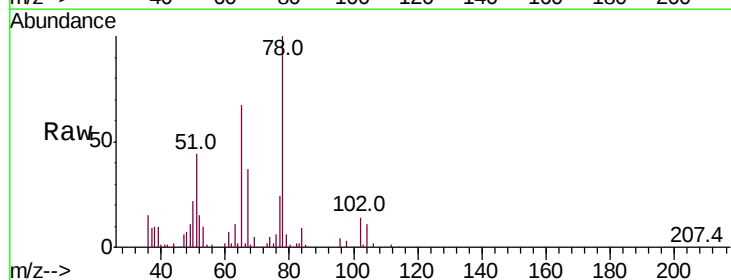
RT: 8.34 min Scan# 1055

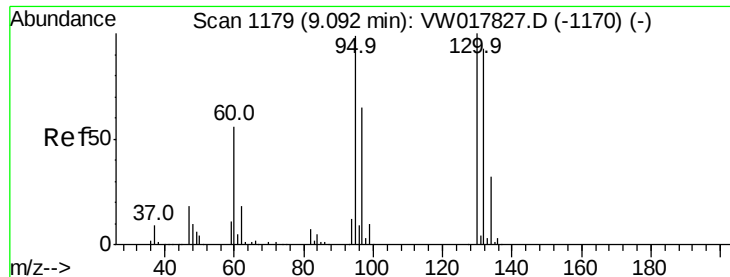
Delta R.T. 0.01 min

Lab File: VW017839.D

Acq: 12 Jan 2021 16:39

Tgt Ion: 78 Resp: 39936





#35

Trichloroethene

Concen: 17206.063 ug/L m

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW017839.D

Acq: 12 Jan 2021 16:39

Instrument :

MSVOA_W

ClientSampleId :

F1C02

Tot Ion: 95 Resp: 47379359

Ion Ratio Lower Upper

95 100

97 0.0 46.8 87.0#

132 0.0 68.3 126.9#

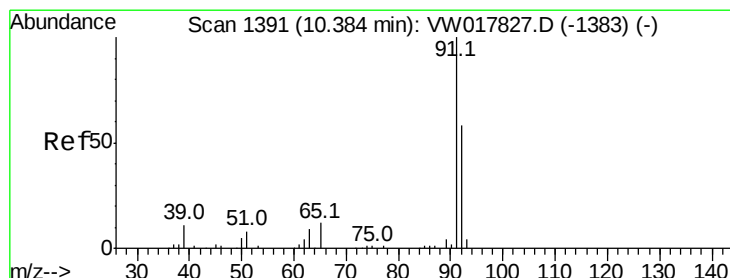
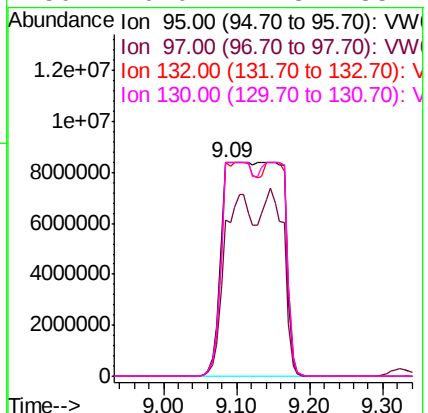
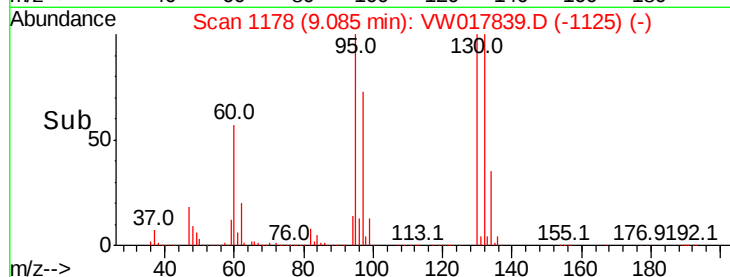
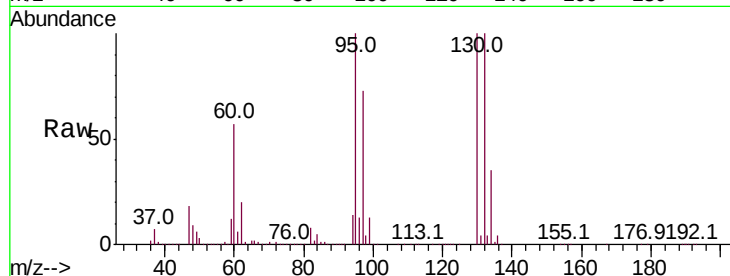
130 0.0 71.8 133.4#

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1/13/2021 4:36:20 PM



#44

Toluene

Concen: 3.998 ug/L

RT: 10.40 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW017839.D

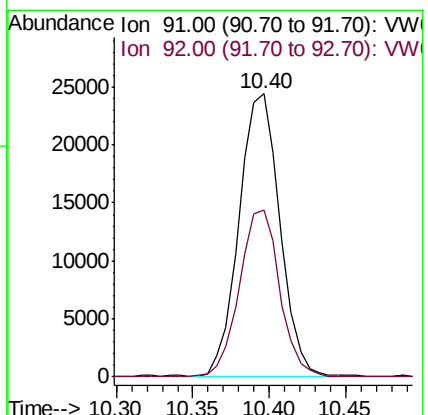
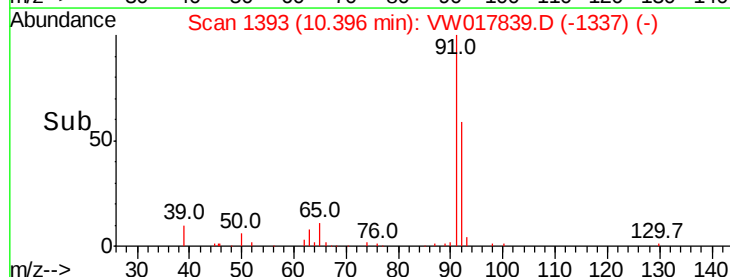
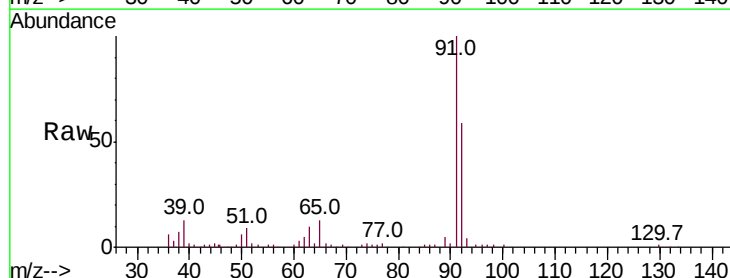
Acq: 12 Jan 2021 16:39

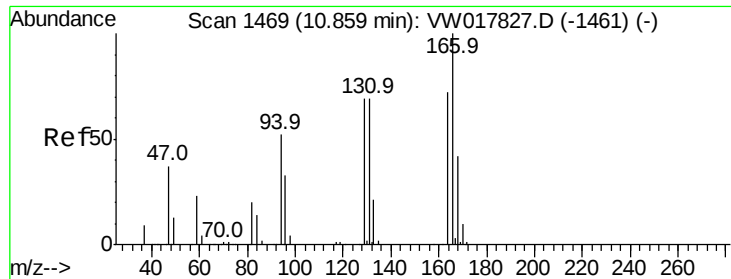
Tgt Ion: 91 Resp: 45353

Ion Ratio Lower Upper

91 100

92 59.1 41.0 76.2





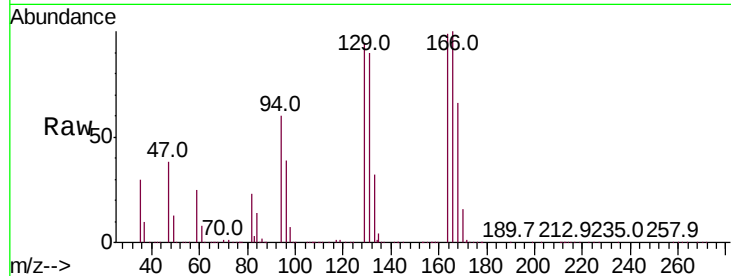
#47
Tetrachloroethene
Concen: 16370.405 ug/L m
RT: 10.88 min Scan# 1472
Delta R.T. 0.02 min
Lab File: VW017839.D
Acq: 12 Jan 2021 16:39

Instrument :
MSVOA_W
ClientSampled :
F1C02

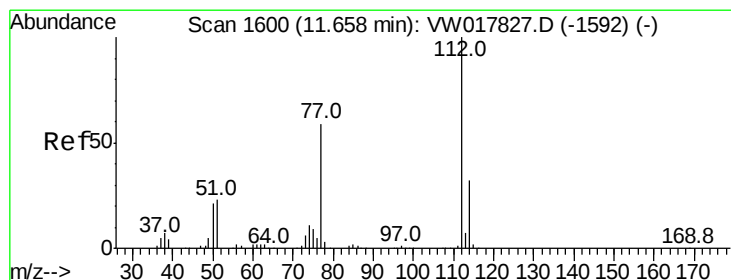
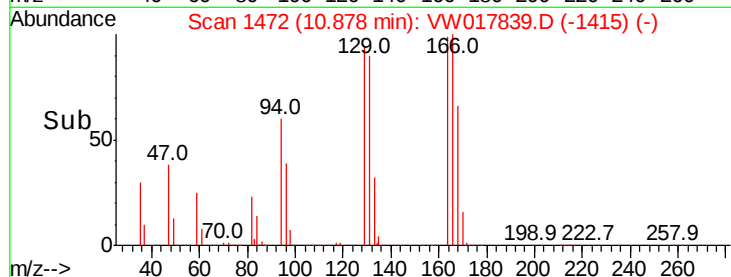
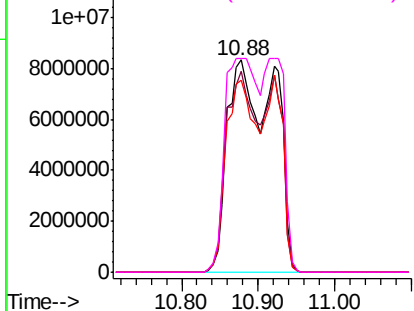
Tot Ion:164 Resp:35243667
Ion Ratio Lower Upper
164 100
129 94.6 62.9 116.9
131 90.5 63.8 118.6
166 100.7 87.4 162.2

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1/13/2021 4:36:20 PM

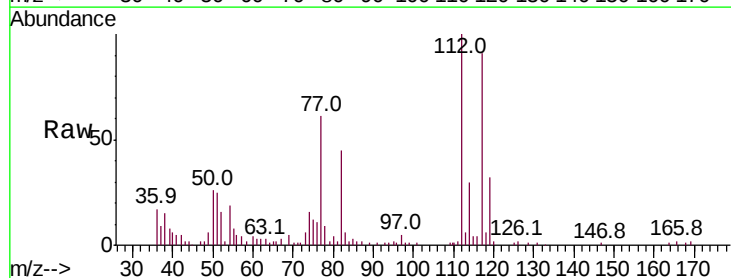


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

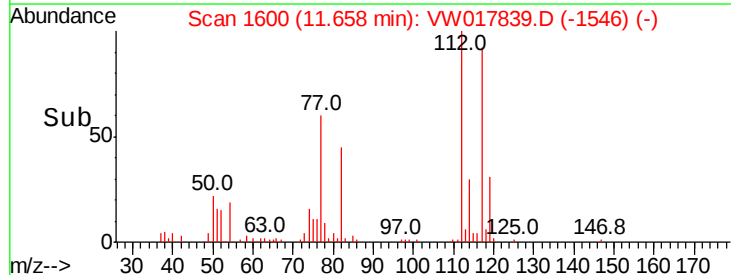
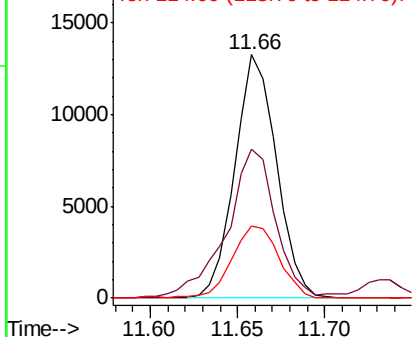


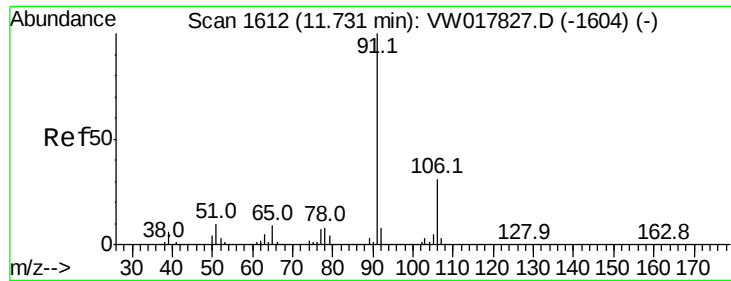
#52
Chlorobenzene
Concen: 3.111 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW017839.D
Acq: 12 Jan 2021 16:39

Tgt Ion:112 Resp: 22031
Ion Ratio Lower Upper
112 100
77 61.4 43.4 65.2
114 29.7 21.6 40.2



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





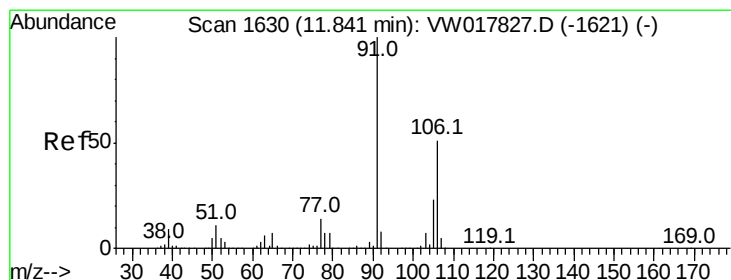
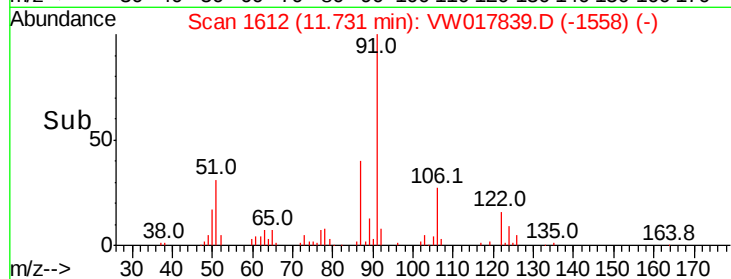
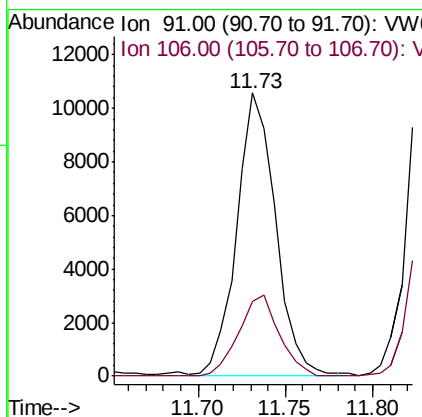
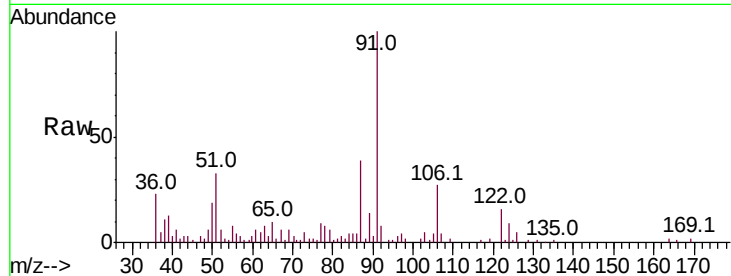
#53
Ethylbenzene
Concen: 1.263 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017839.D
Acq: 12 Jan 2021 16:39

Instrument :
MSVOA_W
ClientSampleId :
F1C02

Tot Ion: 91 Resp: 16259
Ion Ratio Lower Upper
91 100
106 26.6 22.0 41.0

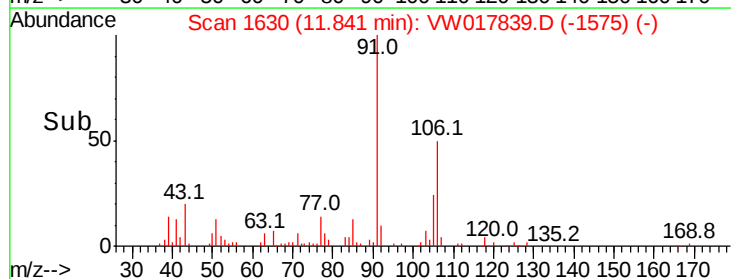
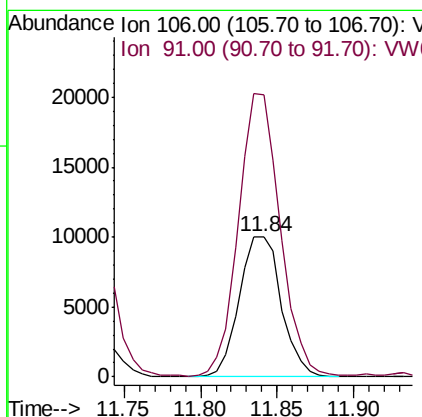
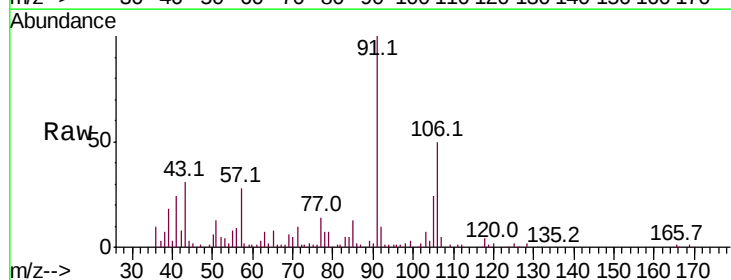
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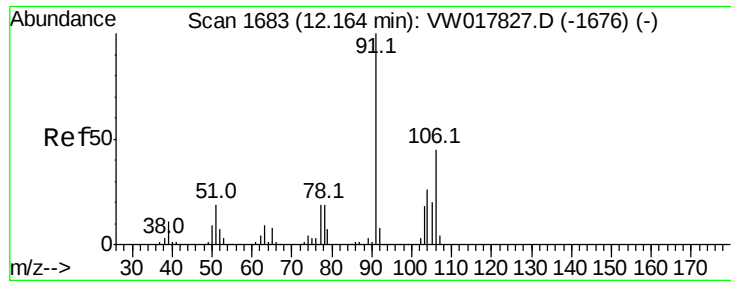
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#54
m,p-Xylene
Concen: 3.802 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW017839.D
Acq: 12 Jan 2021 16:39

Tgt Ion: 106 Resp: 19143
Ion Ratio Lower Upper
106 100
91 200.7 141.6 263.0





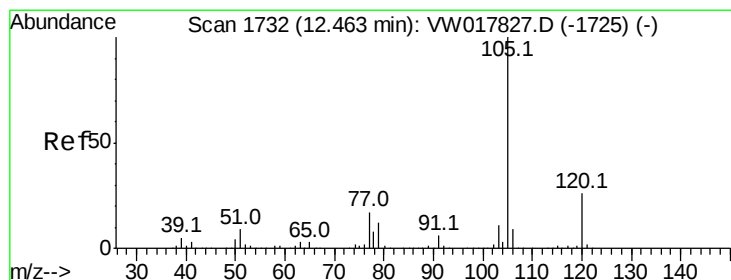
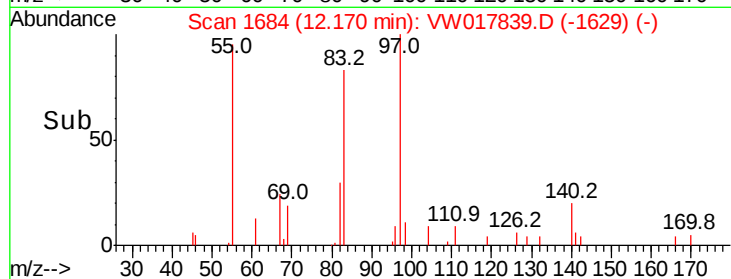
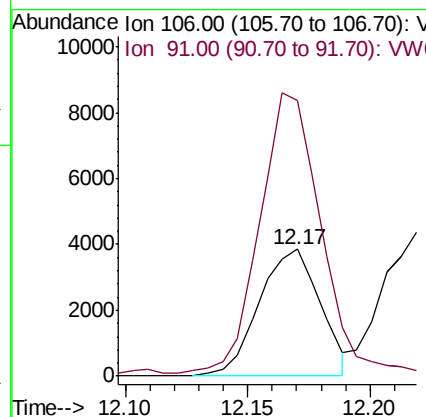
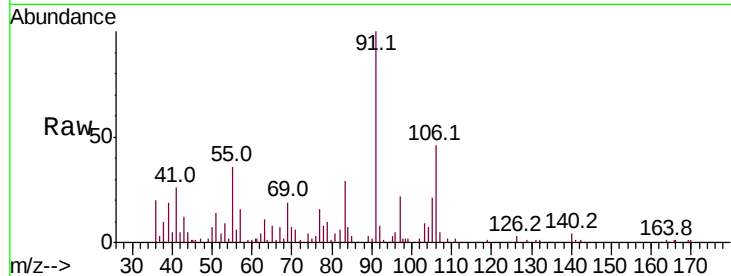
#55
o-xylene
Concen: 1.417 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW017839.D
Acq: 12 Jan 2021 16:39

Instrument :
MSVOA_W
ClientSampled :
F1C02

Tot Ion:106 Resp: 6711
Ion Ratio Lower Upper
106 100
91 217.1 145.7 270.7

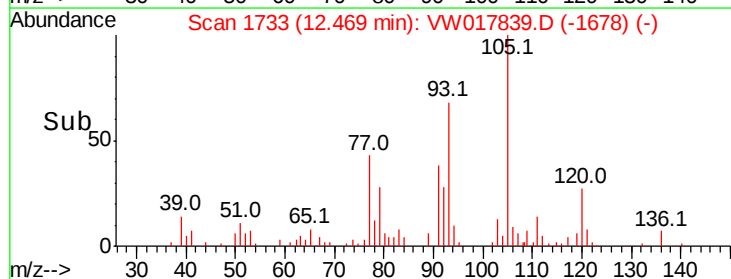
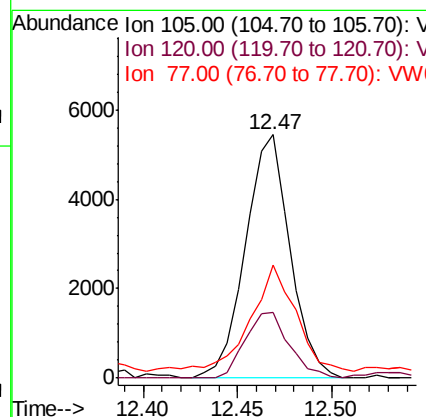
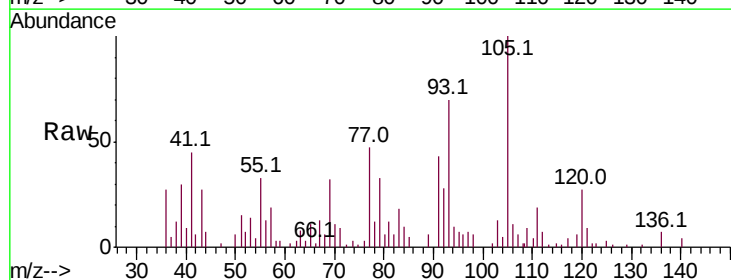
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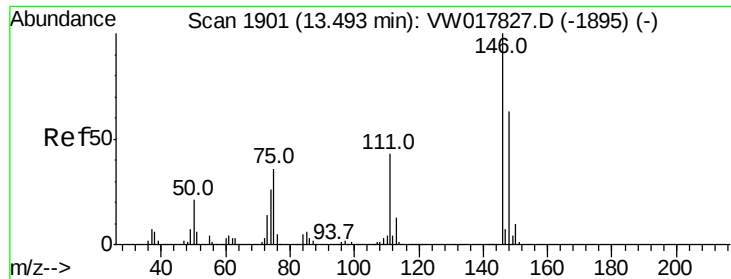
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#57
Isopropylbenzene
Concen: 0.681 ug/L
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW017839.D
Acq: 12 Jan 2021 16:39

Tgt Ion:105 Resp: 8934
Ion Ratio Lower Upper
105 100
120 26.8 21.4 32.2
77 44.2 12.7 19.1#





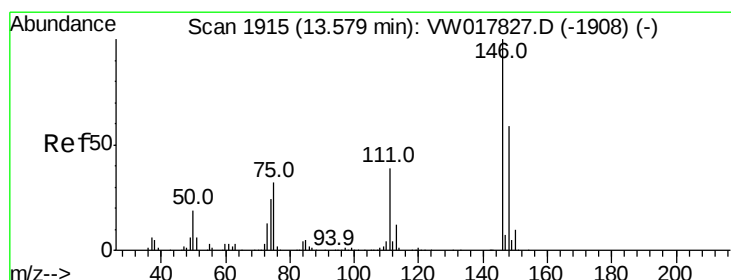
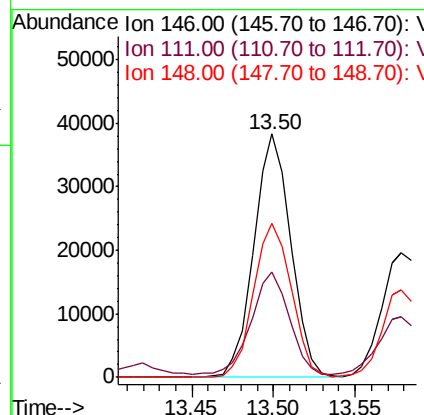
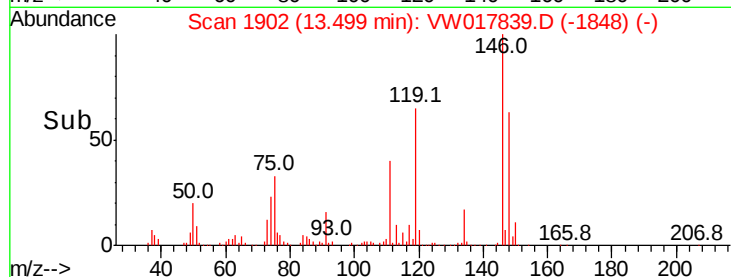
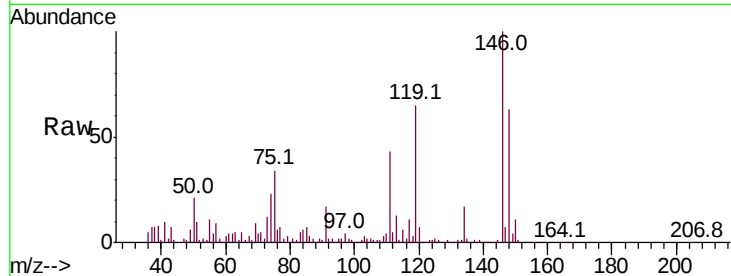
#63
 1,3-Dichlorobenzene
 Concen: 14.213 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW017839.D
 Acq: 12 Jan 2021 16:39

Instrument :
 MSVOA_W
 ClientSampled :
 F1C02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	29.5	54.7
148	63.2	47.7	88.5

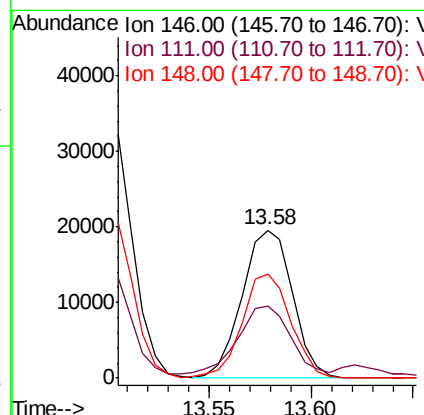
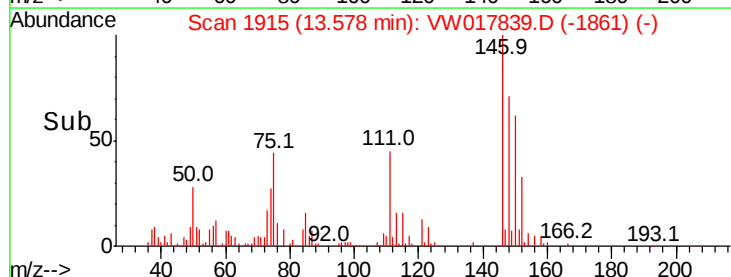
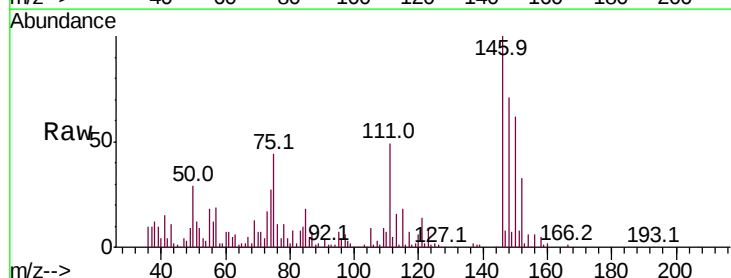
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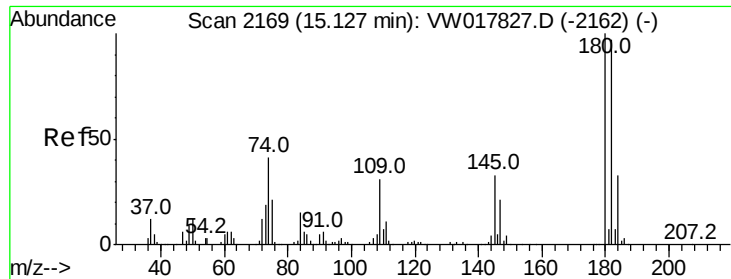
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#64
 1,4-Dichlorobenzene
 Concen: 7.854 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017839.D
 Acq: 12 Jan 2021 16:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.6	27.7	51.5
148	70.6	44.2	82.2





#68
 1,2,4-trichlorobenzene
 Concen: 1.114 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017839.D
 Acq: 12 Jan 2021 16:39

Instrument :
 MSVOA_W
 ClientSampleId :
 F1C02

Tot Ion	Ratio	Lower	Upper
180	100		
182	104.4	73.0	109.6
145	96.2	25.8	38.6

Manual Integrations
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