

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW021422\
 Data File : VW024652.D
 Acq On : 14 Feb 2022 15:39
 Operator : SY/MD
 Sample : N1476-09
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 15 06:28:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR020922WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Feb 15 06:26:19 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	144225	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	144920	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	75433	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	54415	4.501	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.000%
7) Chloroethane-d5	1.571	69	50734	4.964	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.200%
11) 1,1-Dichloroethene-d2	2.111	63	92051	3.481	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.600%
20) 2-Butanone-d5	3.915	46	91714	45.699	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.400%
24) Chloroform-d	4.352	84	100452	4.721	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
26) 1,2-Dichloroethane-d4	5.034	65	48468	5.020	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.400%
32) Benzene-d6	5.053	84	211989	5.156	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.200%
36) 1,2-Dichloropropane-d6	6.069	67	64471	5.041	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.800%
41) Toluene-d8	7.317	98	192086	5.009	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.200%
43) trans-1,3-Dichloroprop...	7.625	79	23013	4.456	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.200%
46) 2-Hexanone-d5	8.088	63	88588	48.687	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.380%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	36360	4.775	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	59715	4.911	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.200%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.121	96	7685	0.515	ug/L #	1
17) Methyl tert-butyl Ether	2.773	73	8329	0.271	ug/L	97
19) 1,1-Dichloroethane	3.195	63	12531	0.495	ug/L	97
22) cis-1,2-Dichloroethene	3.918	96	25480	1.723	ug/L	96
25) Chloroform	4.387	83	4534	0.171	ug/L	96
27) 1,2-Dichloroethane	5.047	62	1244	0.086	ug/L #	73
29) 1,1,1-Trichloroethane	4.616	97	3340	0.140	ug/L #	93
33) Benzene	5.104	78	4357	0.077	ug/L	100
34) Trichloroethene	5.911	95	330886	21.246	ug/L	88
35) Methylcyclohexane	6.069	83	14984	0.582	ug/L #	18
37) 1,2-Dichloropropane	6.072	63	7211	0.526	ug/L #	84
39) cis-1,3-Dichloropropene	6.989	75	1609	0.077	ug/L #	58
42) Toluene	7.394	91	13504	0.219	ug/L	97
45) 1,1,2-Trichloroethane	7.969	97	1371	0.154	ug/L #	2
47) Tetrachloroethene	7.972	164	133763	12.946	ug/L	90
49) Dibromochloromethane	7.972	129	136937	12.764	ug/L #	11
52) Ethylbenzene	9.021	91	4159	0.061	ug/L	100
53) m,p-xylene	9.143	106	4425	0.170	ug/L	93
54) o-xylene	9.548	106	2243	0.090	ug/L	99

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ClientSampleId :

Quant Time: Feb 15 06:28:38 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR020922WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Feb 15 06:26:19 2022
Response via : Initial Calibration

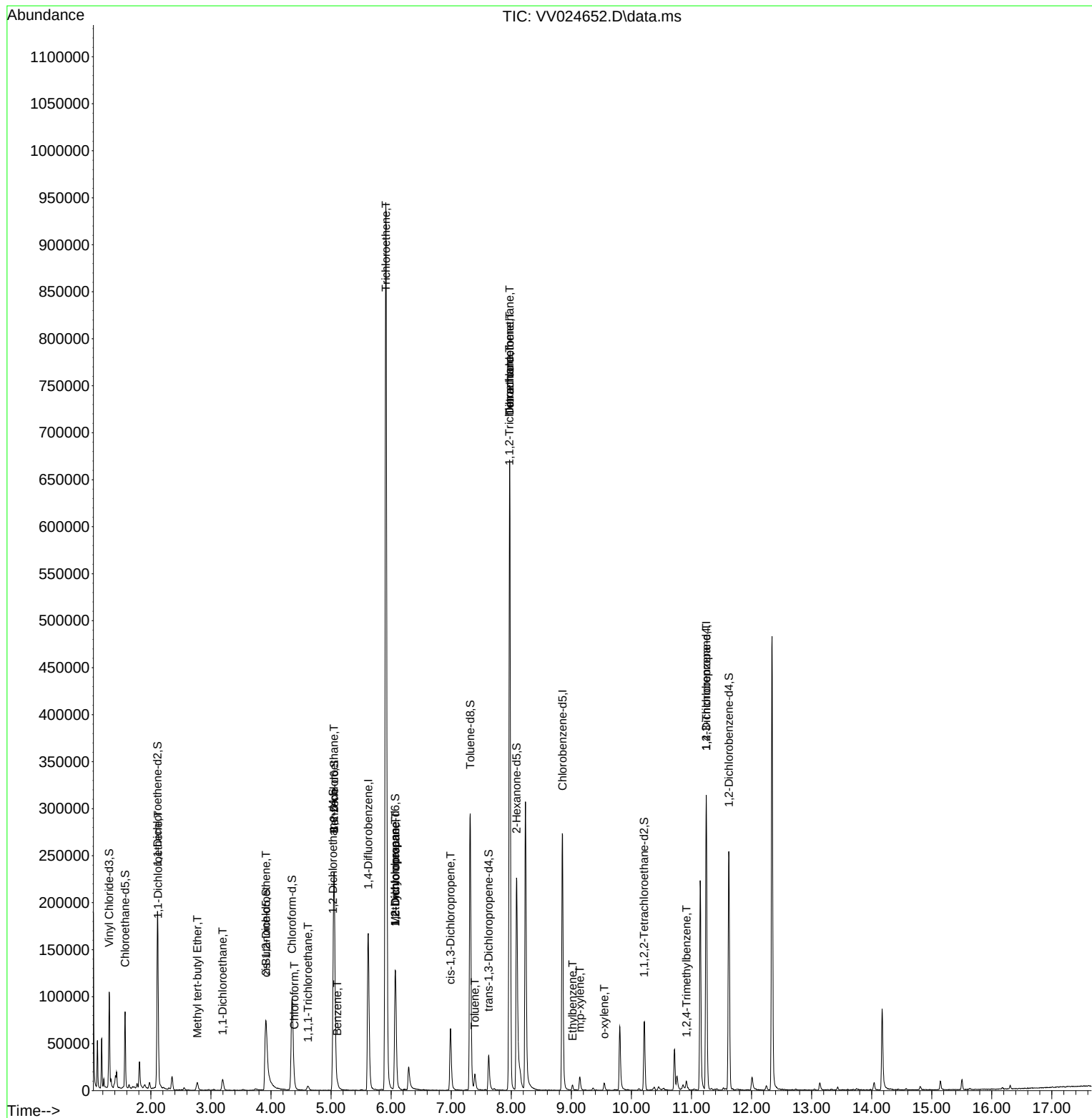
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.246	75	10938	1.471	ug/L #	65
63) 1,2,4-Trimethylbenzene	10.918	105	4607	0.079	ug/L	93

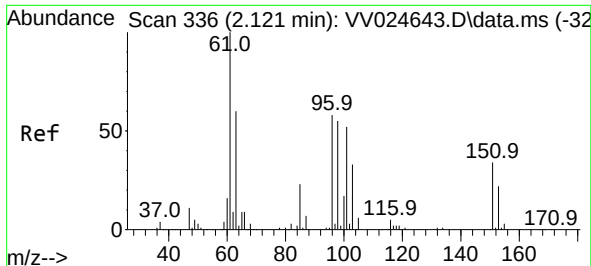
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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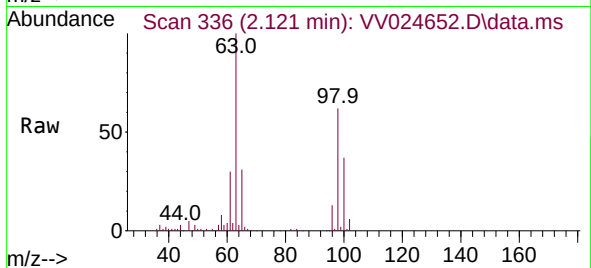
Quant Time: Feb 15 06:28:38 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR020922WMA.M
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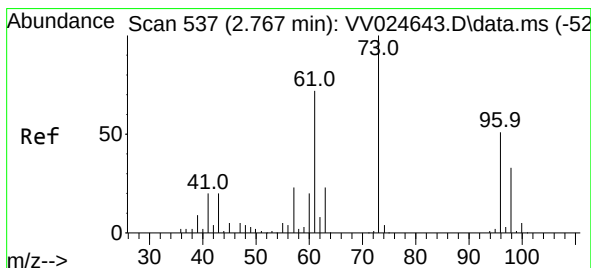
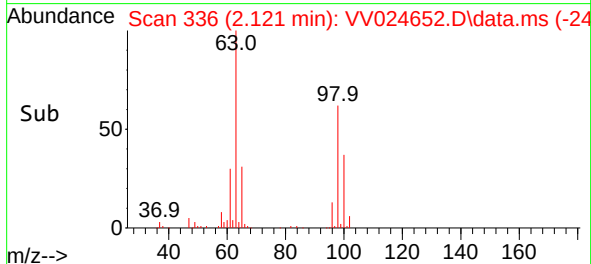
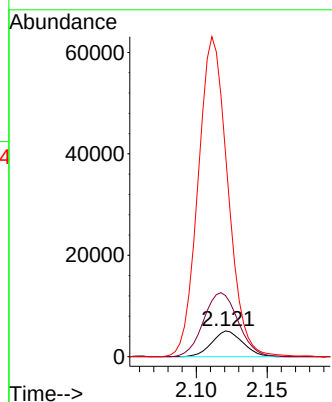
#12
 1,1-Dichloroethene
 Concen: 0.515 ug/L
 RT: 2.121 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV024652.D
 Acq: 14 Feb 2022 15:39

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 96 Resp: 7685

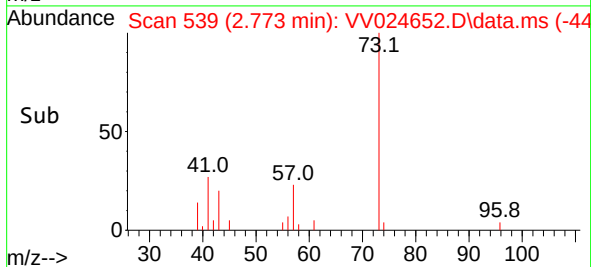
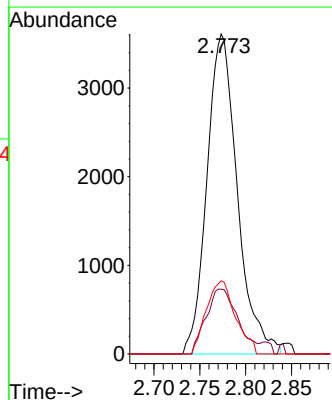
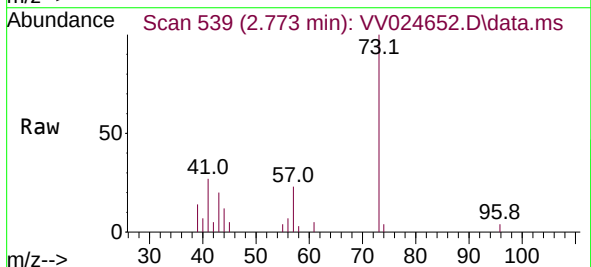
Ion	Ratio	Lower	Upper
96	100		
61	237.9	116.1	215.5#
63	792.1	79.4	147.4#

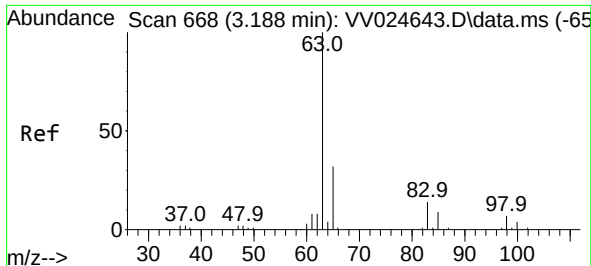


#17
 Methyl tert-butyl Ether
 Concen: 0.271 ug/L
 RT: 2.773 min Scan# 539
 Delta R.T. 0.006 min
 Lab File: VV024652.D
 Acq: 14 Feb 2022 15:39

Tgt Ion: 73 Resp: 8329

Ion	Ratio	Lower	Upper
73	100		
43	21.3	15.5	23.3
57	21.9	17.1	25.7





#19

1,1-Dichloroethane

Concen: 0.495 ug/L

RT: 3.195 min Scan# 6

Delta R.T. 0.006 min

Lab File: VV024652.D

Acq: 14 Feb 2022 15:39

Instrument :

MSVOA_V

ClientSampleId :

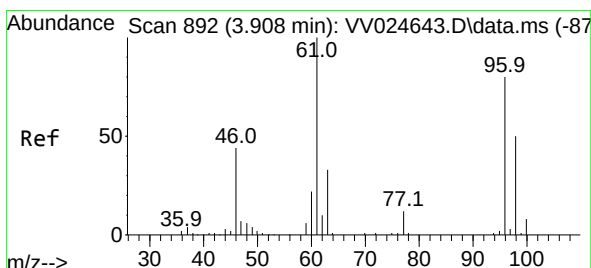
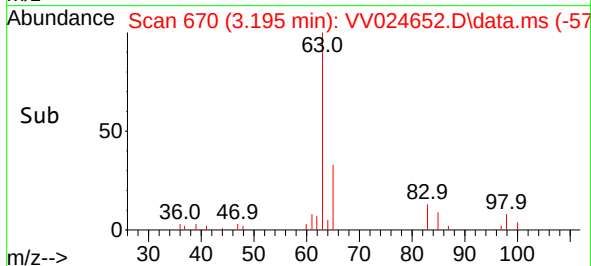
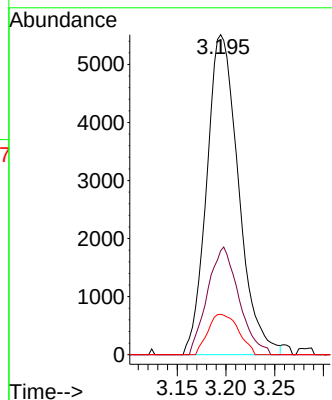
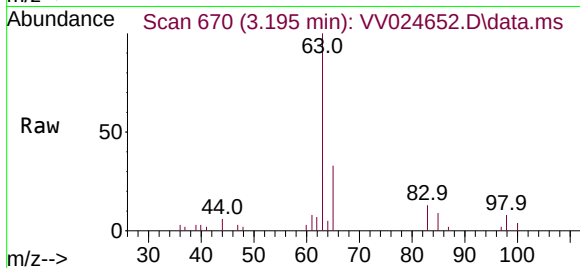
Tgt Ion: 63 Resp: 12531

Ion Ratio Lower Upper

63 100

65 32.5 22.3 41.3

83 12.6 10.7 19.9



#22

cis-1,2-Dichloroethene

Concen: 1.723 ug/L

RT: 3.918 min Scan# 895

Delta R.T. 0.009 min

Lab File: VV024652.D

Acq: 14 Feb 2022 15:39

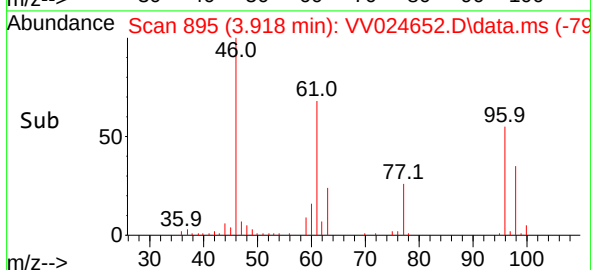
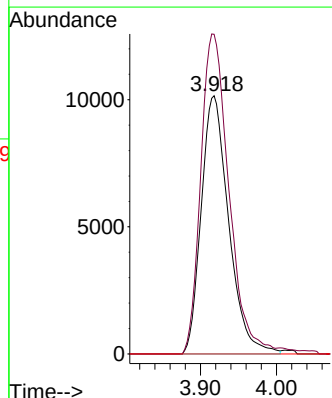
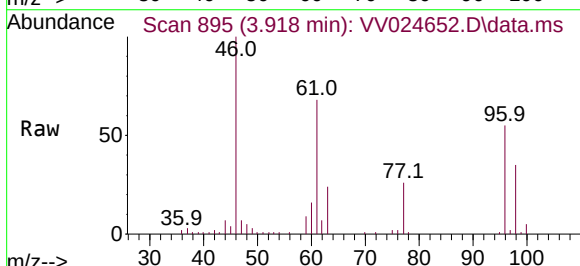
Tgt Ion: 96 Resp: 25480

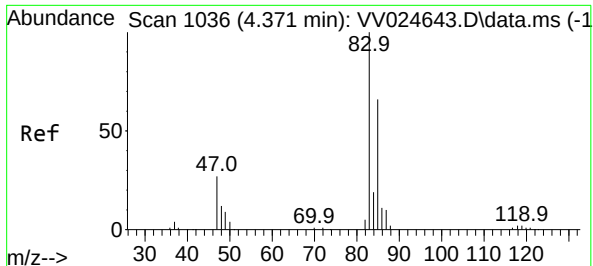
Ion Ratio Lower Upper

96 100

61 123.9 83.4 154.8

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.171 ug/L

RT: 4.387 min Scan# 1041

Delta R.T. 0.016 min

Lab File: VV024652.D

Acq: 14 Feb 2022 15:39

Instrument :

MSVOA_V

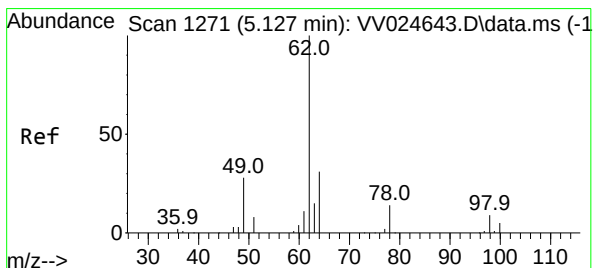
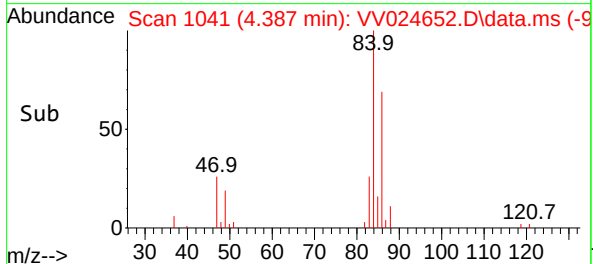
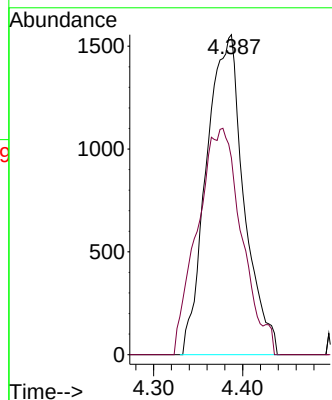
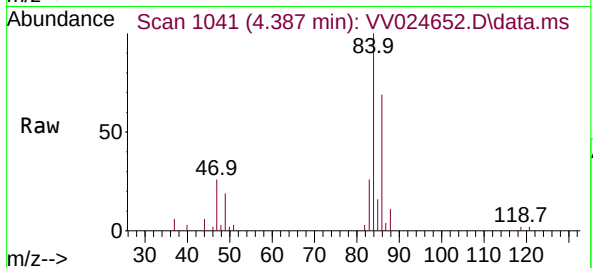
ClientSampleId :

Tgt Ion: 83 Resp: 4534

Ion Ratio Lower Upper

83 100

85 61.5 45.2 84.0



#27

1,2-Dichloroethane

Concen: 0.086 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. -0.081 min

Lab File: VV024652.D

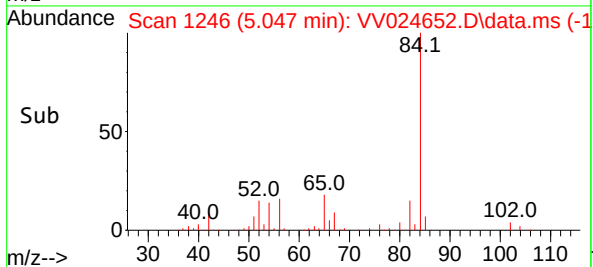
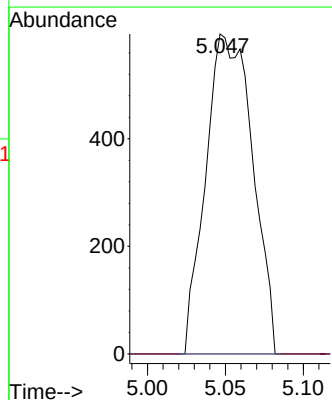
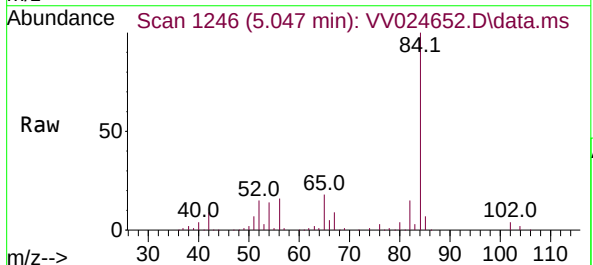
Acq: 14 Feb 2022 15:39

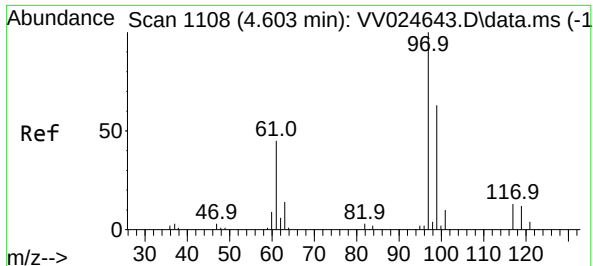
Tgt Ion: 62 Resp: 1244

Ion Ratio Lower Upper

62 100

98 0.0 8.1 12.1#





#29

1,1,1-Trichloroethane

Concen: 0.140 ug/L

RT: 4.616 min Scan# 1112

Delta R.T. 0.013 min

Lab File: VV024652.D

Acq: 14 Feb 2022 15:39

Instrument :

MSVOA_V

ClientSampleId :

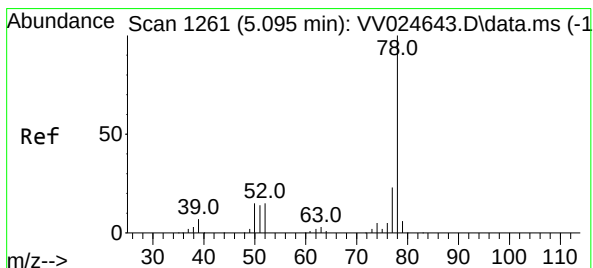
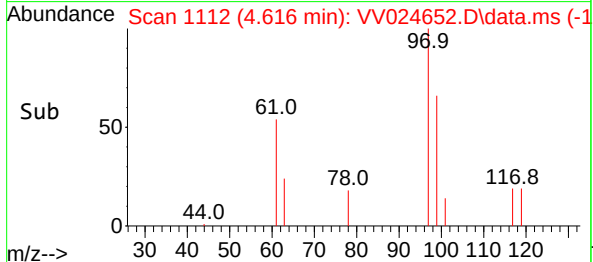
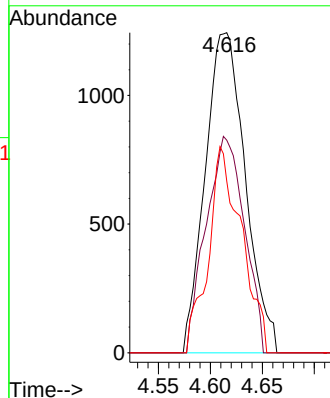
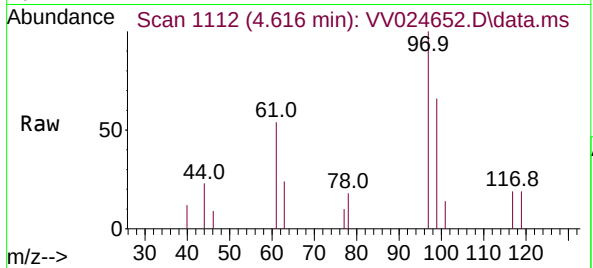
Tgt Ion: 97 Resp: 3340

Ion Ratio Lower Upper

97 100

99 64.6 51.9 77.9

61 53.1 33.2 49.8#



#33

Benzene

Concen: 0.077 ug/L

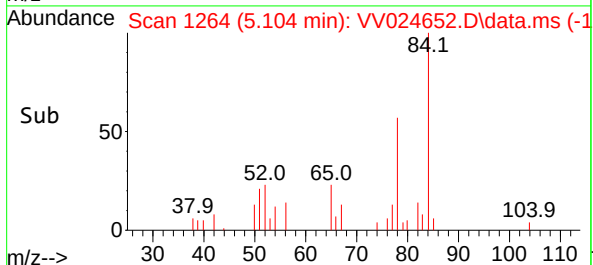
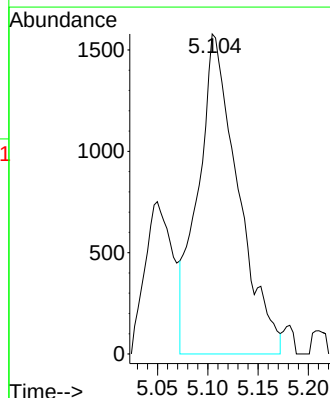
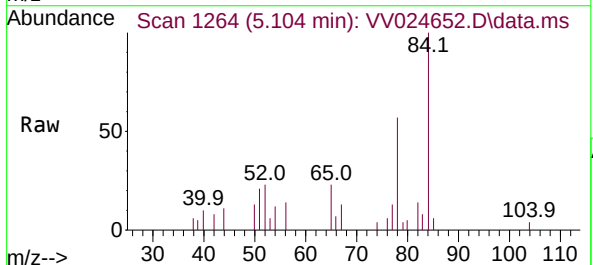
RT: 5.104 min Scan# 1264

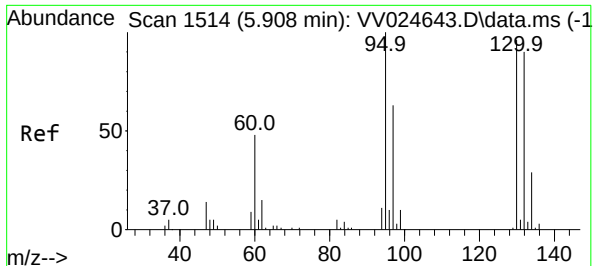
Delta R.T. 0.009 min

Lab File: VV024652.D

Acq: 14 Feb 2022 15:39

Tgt Ion: 78 Resp: 4357

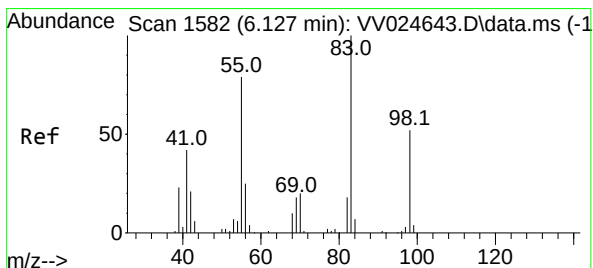
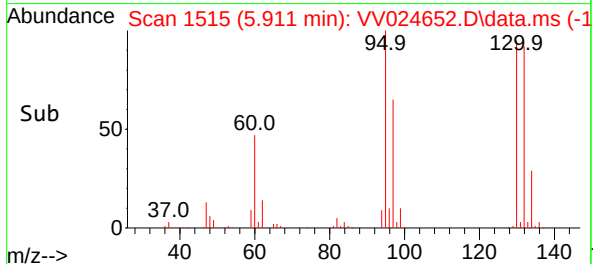
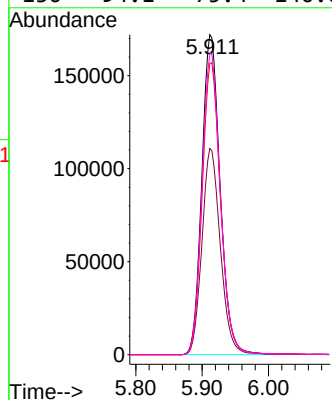
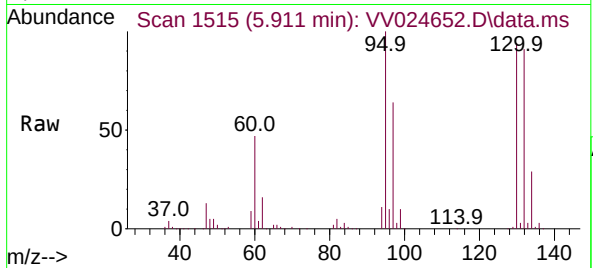




#34
Trichloroethene
Concen: 21.246 ug/L
RT: 5.911 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV024652.D
Acq: 14 Feb 2022 15:39

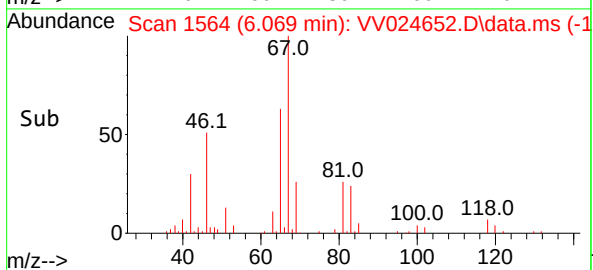
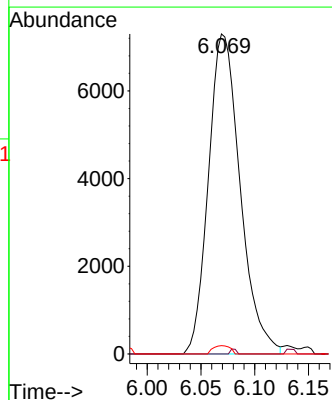
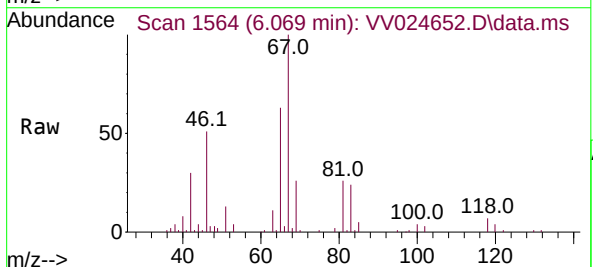
Instrument :
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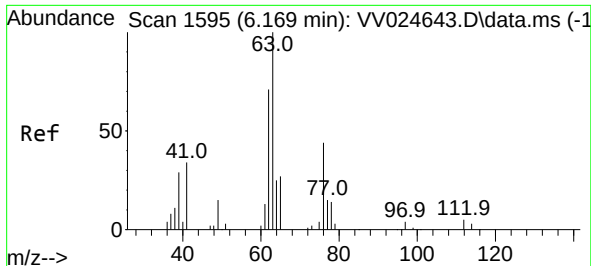
Tgt Ion: 95 Resp: 330886
Ion Ratio Lower Upper
95 100
97 64.4 45.2 84.0
132 91.1 76.1 141.3
130 94.1 75.4 140.0



#35
Methylcyclohexane
Concen: 0.582 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.058 min
Lab File: VV024652.D
Acq: 14 Feb 2022 15:39

Tgt Ion: 83 Resp: 14984
Ion Ratio Lower Upper
83 100
55 0.4 60.2 90.2#
98 0.0 41.0 61.4#





#37

1,2-Dichloropropane

Concen: 0.526 ug/L

RT: 6.072 min Scan# 1

Delta R.T. -0.097 min

Lab File: VV024652.D

Acq: 14 Feb 2022 15:39

Instrument :

MSVOA_V

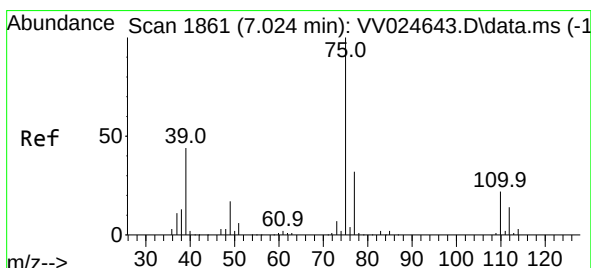
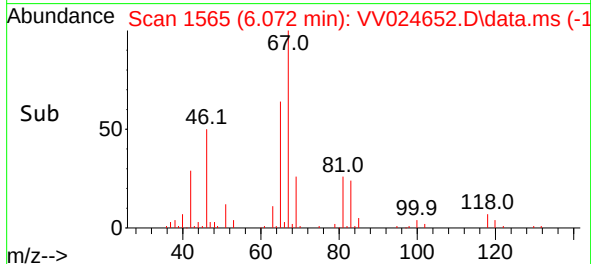
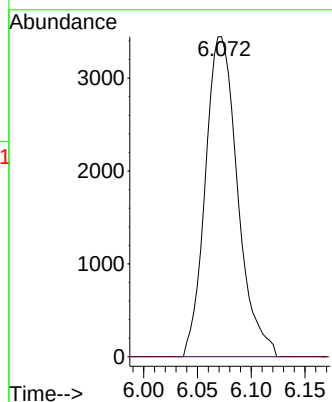
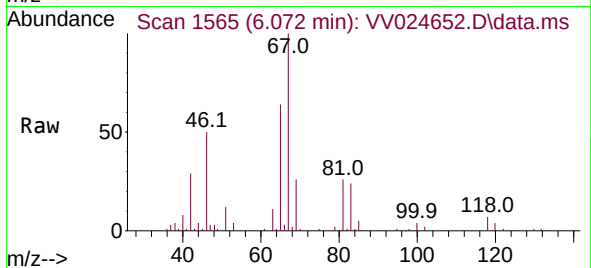
ClientSampleId :

Tgt Ion: 63 Resp: 7211

Ion Ratio Lower Upper

63 100

112 0.0 4.3 6.5#



#39

cis-1,3-Dichloropropene

Concen: 0.077 ug/L

RT: 6.989 min Scan# 1850

Delta R.T. -0.036 min

Lab File: VV024652.D

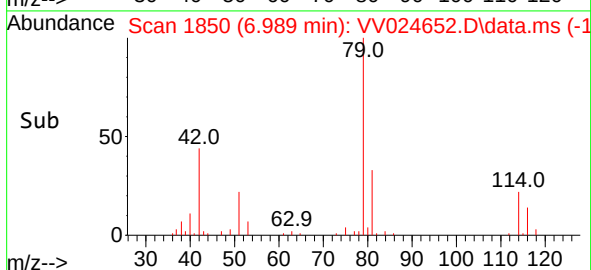
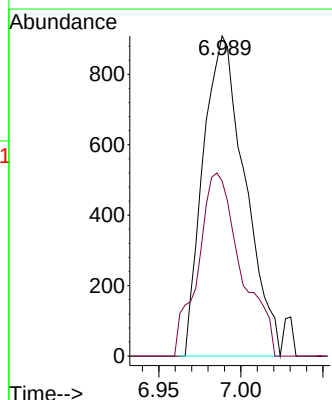
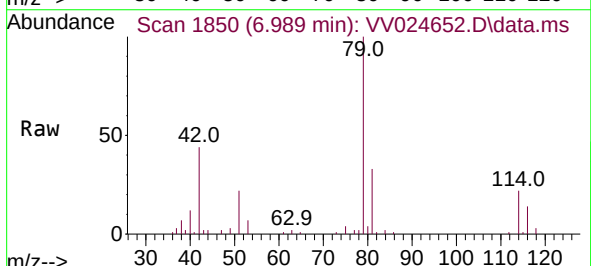
Acq: 14 Feb 2022 15:39

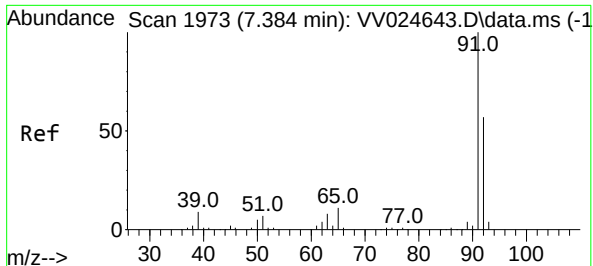
Tgt Ion: 75 Resp: 1609

Ion Ratio Lower Upper

75 100

77 54.7 22.0 41.0#





#42

Toluene

Concen: 0.219 ug/L

RT: 7.394 min Scan# 1973

Delta R.T. 0.009 min

Lab File: VV024652.D

Acq: 14 Feb 2022 15:39

Instrument :

MSVOA_V

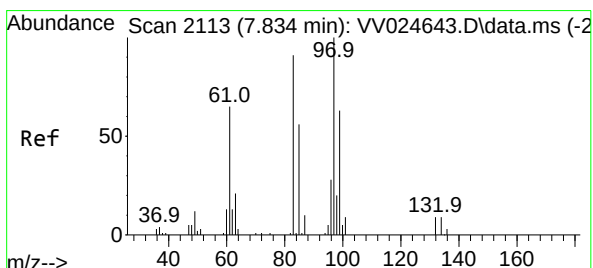
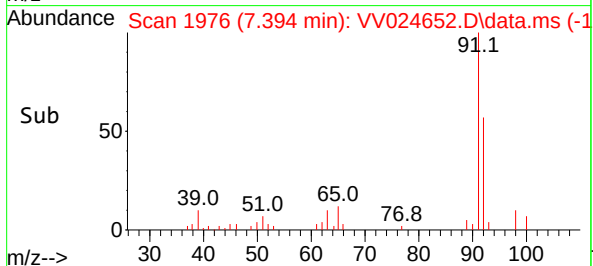
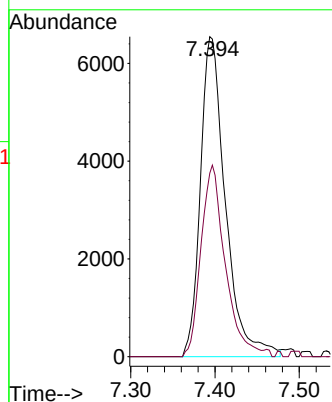
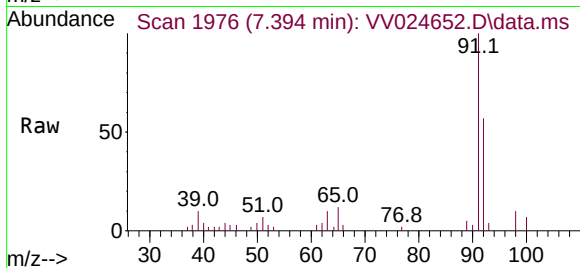
ClientSampleId :

Tgt Ion: 91 Resp: 13504

Ion Ratio Lower Upper

91 100

92 57.3 41.5 77.1



#45

1,1,2-Trichloroethane

Concen: 0.154 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. 0.135 min

Lab File: VV024652.D

Acq: 14 Feb 2022 15:39

Tgt Ion: 97 Resp: 1371

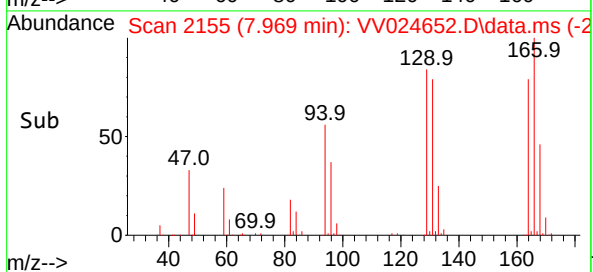
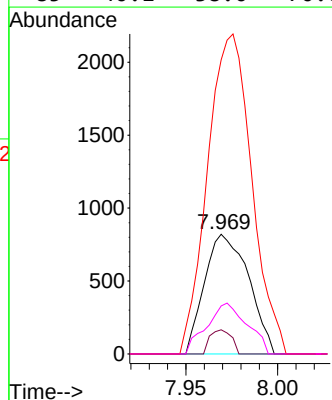
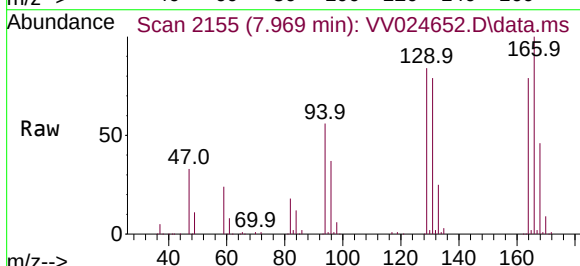
Ion Ratio Lower Upper

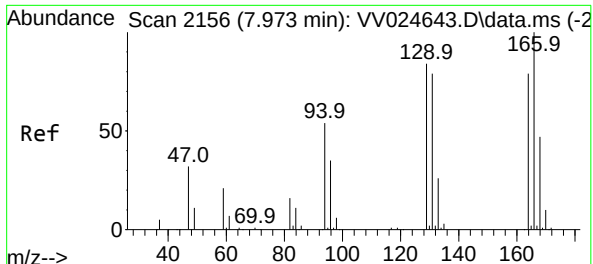
97 100

99 20.2 43.1 80.1#

83 245.9 57.9 107.5#

85 40.1 38.0 70.6





#47

Tetrachloroethene

Concen: 12.946 ug/L

RT: 7.972 min Scan# 2156

Delta R.T. -0.000 min

Lab File: VV024652.D

Acq: 14 Feb 2022 15:39

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:164 Resp: 133763

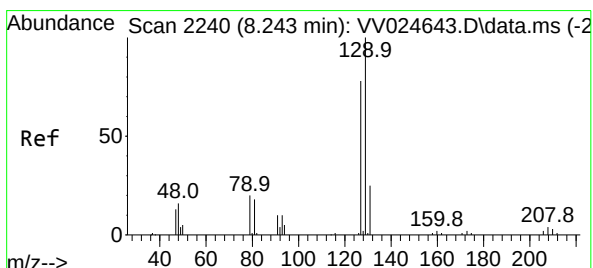
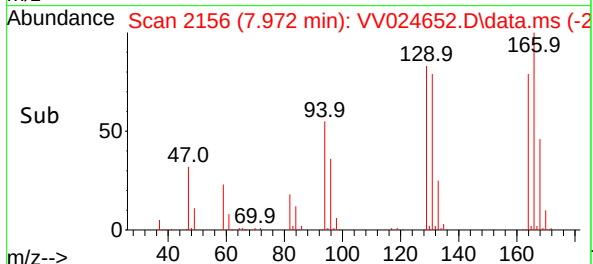
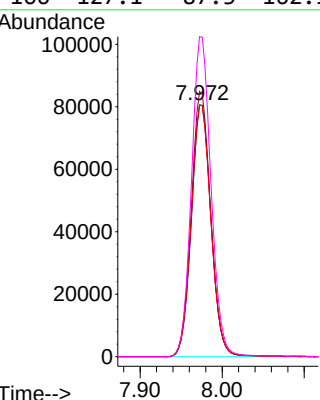
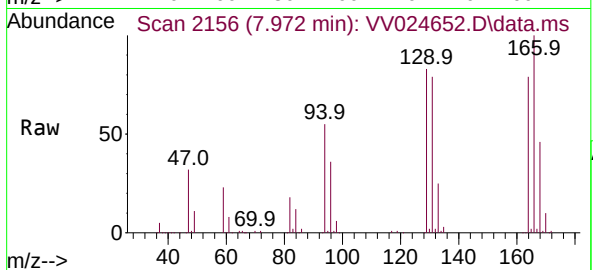
Ion Ratio Lower Upper

164 100

129 105.4 62.6 116.2

131 100.0 61.0 113.4

166 127.1 87.3 162.1



#49

Dibromochloromethane

Concen: 12.764 ug/L

RT: 7.972 min Scan# 2156

Delta R.T. -0.270 min

Lab File: VV024652.D

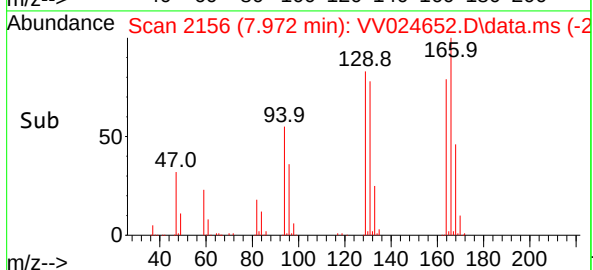
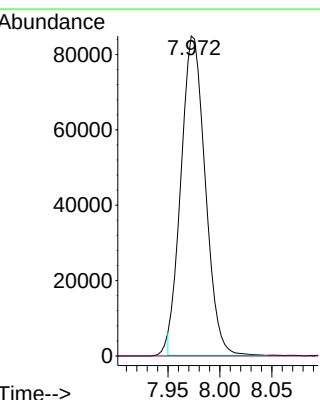
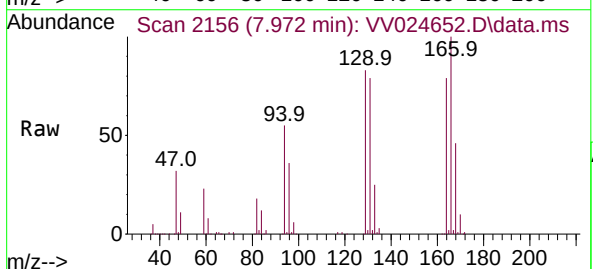
Acq: 14 Feb 2022 15:39

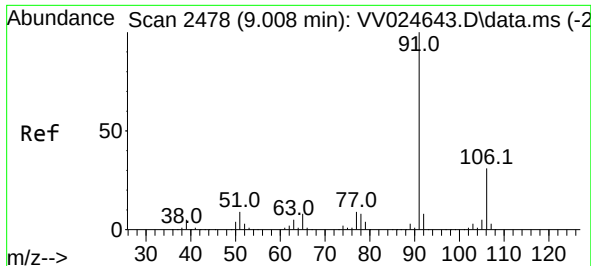
Tgt Ion:129 Resp: 136937

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#

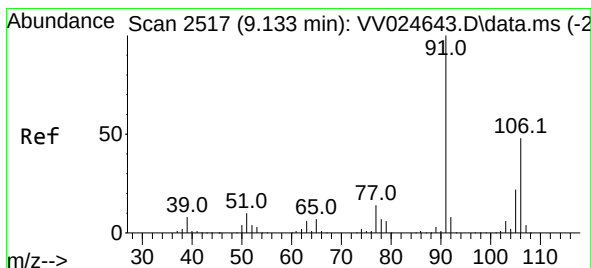
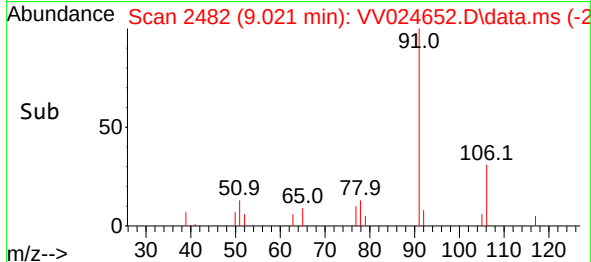
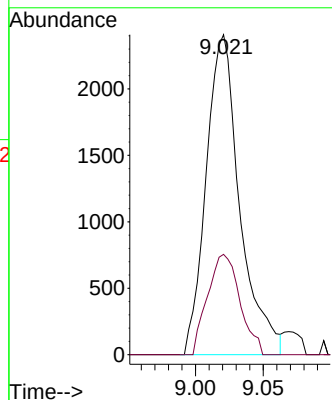
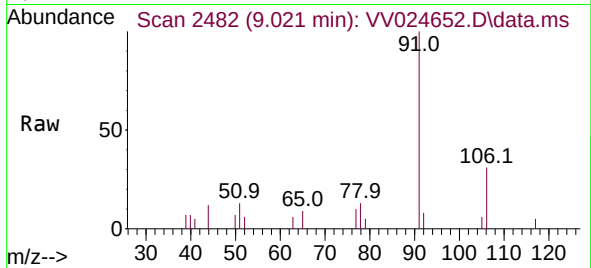




#52
Ethylbenzene
Concen: 0.061 ug/L
RT: 9.021 min Scan# 2478
Delta R.T. 0.013 min
Lab File: VV024652.D
Acq: 14 Feb 2022 15:39

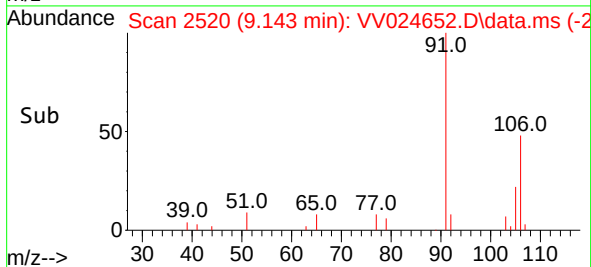
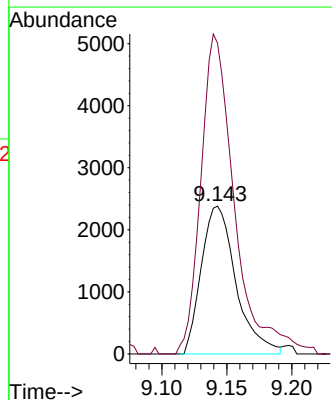
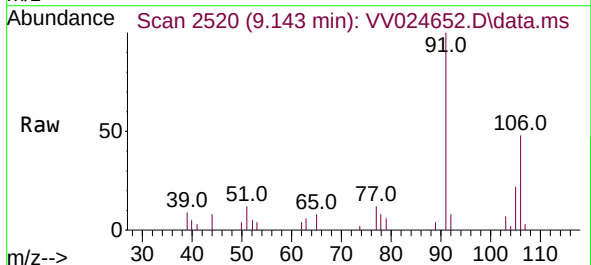
Instrument :
MSVOA_V
ClientSampleId :

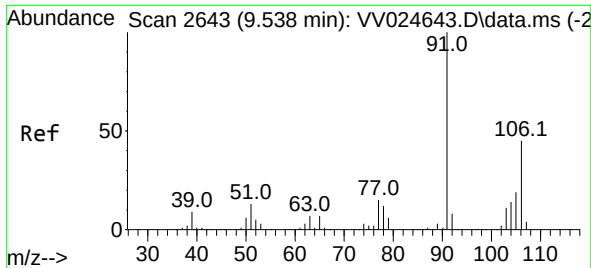
Tgt Ion: 91 Resp: 4159
Ion Ratio Lower Upper
91 100
106 31.4 22.0 41.0



#53
m,p-xylene
Concen: 0.170 ug/L
RT: 9.143 min Scan# 2520
Delta R.T. 0.009 min
Lab File: VV024652.D
Acq: 14 Feb 2022 15:39

Tgt Ion: 106 Resp: 4425
Ion Ratio Lower Upper
106 100
91 210.2 139.5 259.1

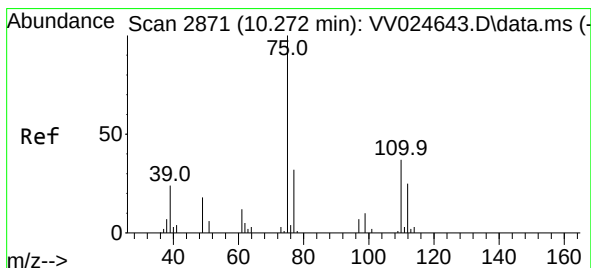
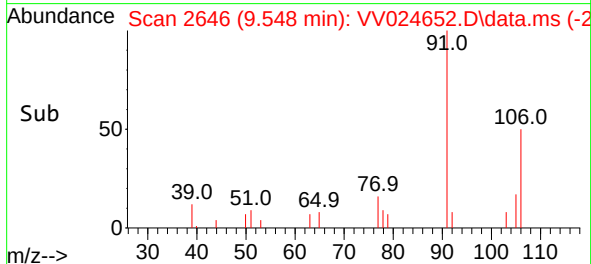
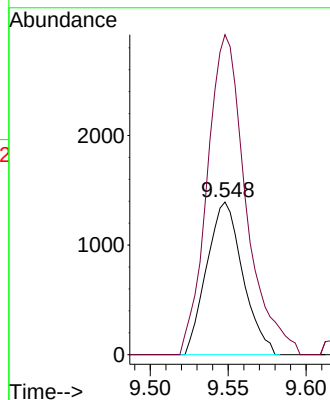
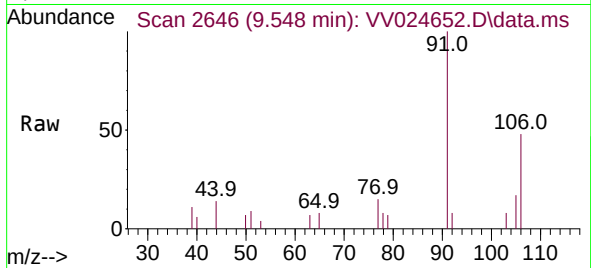




#54
o-xylene
Concen: 0.090 ug/L
RT: 9.548 min Scan# 21
Delta R.T. 0.009 min
Lab File: VV024652.D
Acq: 14 Feb 2022 15:39

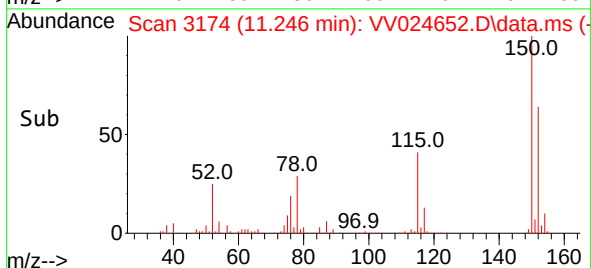
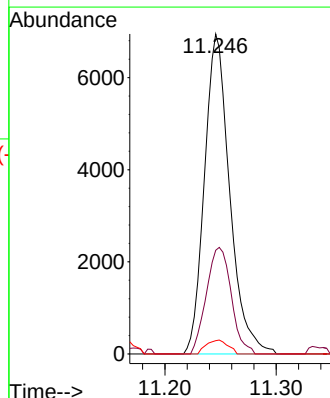
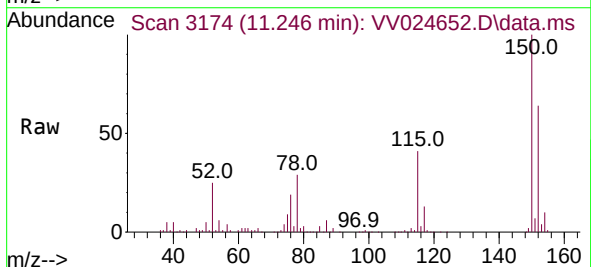
Instrument :
MSVOA_V
ClientSampleId :

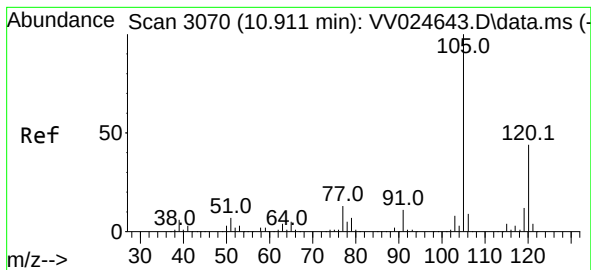
Tgt Ion:106 Resp: 2243
Ion Ratio Lower Upper
106 100
91 209.6 147.9 274.7



#61
1,2,3-Trichloropropane
Concen: 1.471 ug/L
RT: 11.246 min Scan# 3174
Delta R.T. 0.974 min
Lab File: VV024652.D
Acq: 14 Feb 2022 15:39

Tgt Ion: 75 Resp: 10938
Ion Ratio Lower Upper
75 100
77 32.7 26.4 39.6
110 3.7 34.2 51.2#





#63

1,2,4-Trimethylbenzene

Concen: 0.079 ug/L

RT: 10.918 min Scan# 3072

Delta R.T. 0.006 min

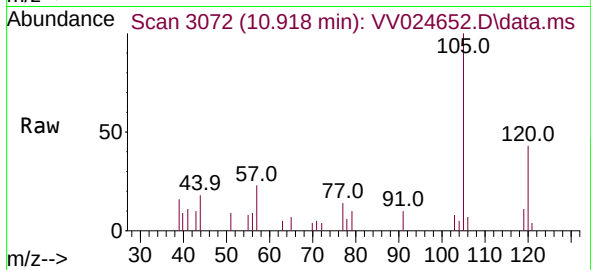
Lab File: VV024652.D

Acq: 14 Feb 2022 15:39

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:105 Resp: 4607

Ion Ratio Lower Upper

105 100

120 41.0 36.7 55.1

