

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW021722\
 Data File : VW024739.D
 Acq On : 17 Feb 2022 21:56
 Operator : SY/MD
 Sample : N1510-20
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4M34

Quant Time: Feb 18 07:37:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR021722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Feb 18 07:32:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	165990	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	154626	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	68903	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	87705	6.229	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	124.600%	
7) Chloroethane-d5	1.568	69	55407	4.797	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	96.000%	
11) 1,1-Dichloroethene-d2	2.111	63	94786	3.674	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	73.400%	
20) 2-Butanone-d5	3.892	46	129595	64.442	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	128.880%	
24) Chloroform-d	4.352	84	97206	4.425	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	88.400%	
26) 1,2-Dichloroethane-d4	5.034	65	49966	5.103	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	102.000%	
32) Benzene-d6	5.050	84	215379	4.828	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	96.600%	
36) 1,2-Dichloropropane-d6	6.069	67	66184	5.042	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	100.800%	
41) Toluene-d8	7.317	98	187681	4.630	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	92.600%	
43) trans-1,3-Dichloroprop...	7.622	79	21430	4.900	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	98.000%	
46) 2-Hexanone-d5	8.088	63	97615	56.727	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	113.460%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	40298	5.093	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	101.800%	
66) 1,2-Dichlorobenzene-d4	11.622	152	60014	5.034	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	100.600%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.310	50	14575	0.902	ug/L #	43
5) Vinyl chloride	1.310	62	2548571	143.590	ug/L	98
8) Chloroethane	1.310	64	833211	76.213	ug/L #	43
12) 1,1-Dichloroethene	2.121	96	12444	0.963	ug/L #	1
13) Acetone	2.185	43	5962	4.204	ug/L	98
17) Methyl tert-butyl Ether	2.770	73	407773	16.047	ug/L	99
18) trans-1,2-Dichloroethene	2.764	96	47661	3.775	ug/L	97
19) 1,1-Dichloroethane	3.198	63	1924	0.083	ug/L	88
22) cis-1,2-Dichloroethene	3.912	96	7879765	590.437	ug/L	95
25) Chloroform	4.381	83	11711	0.485	ug/L	91
33) Benzene	5.104	78	39268	0.750	ug/L	100
34) Trichloroethene	5.915	95	33927	2.446	ug/L	98
35) Methylcyclohexane	6.069	83	15227	0.680	ug/L #	20
37) 1,2-Dichloropropane	6.069	63	7401	0.598	ug/L #	86
39) cis-1,3-Dichloropropene	6.989	75	1594	0.093	ug/L #	74
42) Toluene	7.394	91	22029	0.395	ug/L	98
45) 1,1,2-Trichloroethane	7.972	97	819	0.102	ug/L #	4
47) Tetrachloroethene	7.976	164	91641	9.704	ug/L	98
49) Dibromochloromethane	7.976	129	94508	10.584	ug/L #	11

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 QLast Update : Fri Feb 18 07:32:51 2022
 Response via : Initial Calibration

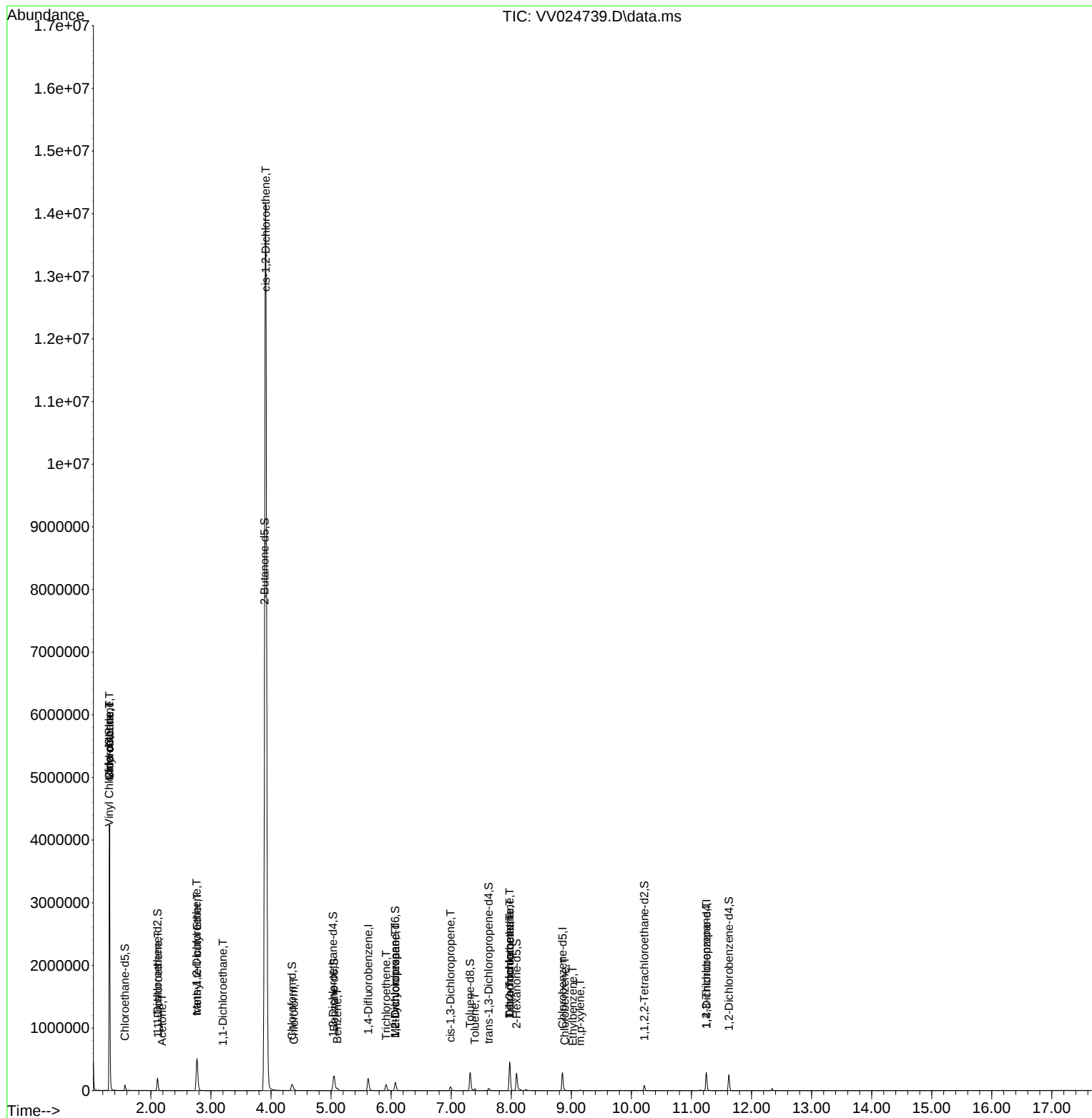
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Chlorobenzene	8.889	112	5786	0.166	ug/L	93
52) Ethylbenzene	9.024	91	2326	0.038	ug/L	96
53) m,p-xylene	9.146	106	2934	0.128	ug/L	90
61) 1,2,3-Trichloropropane	11.246	75	9662	1.547	ug/L #	68

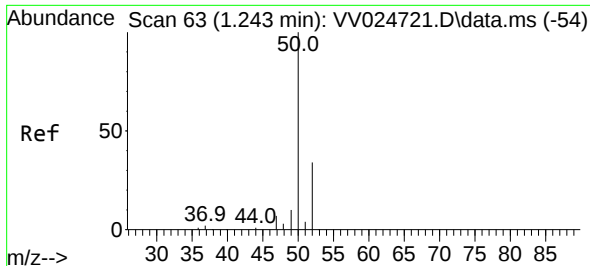
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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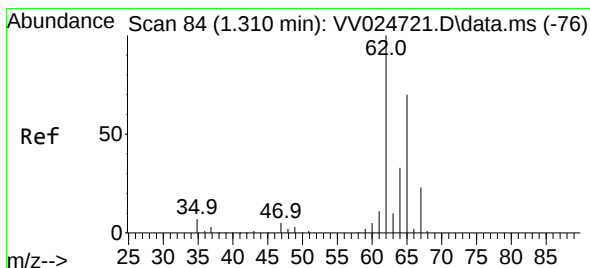
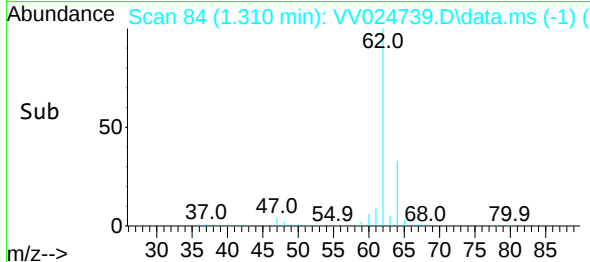
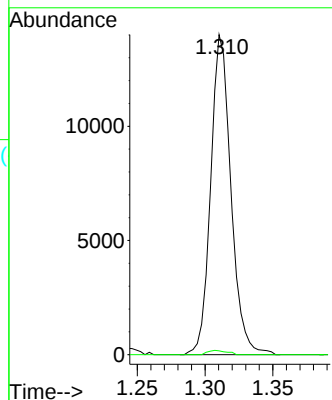
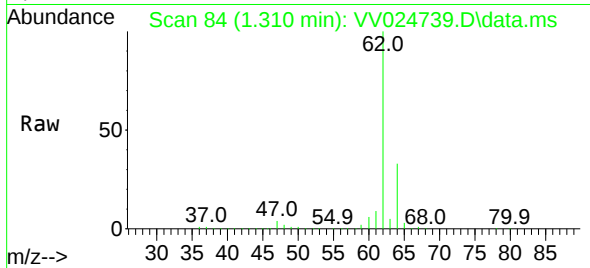




#3
Chloromethane
Concen: 0.902 ug/L
RT: 1.310 min Scan# 84
Delta R.T. 0.068 min
Lab File: VV024739.D
Acq: 17 Feb 2022 21:56

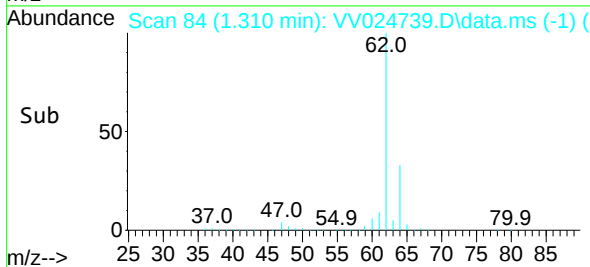
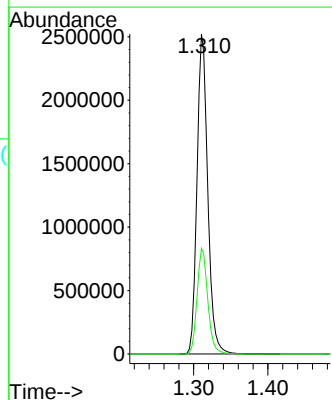
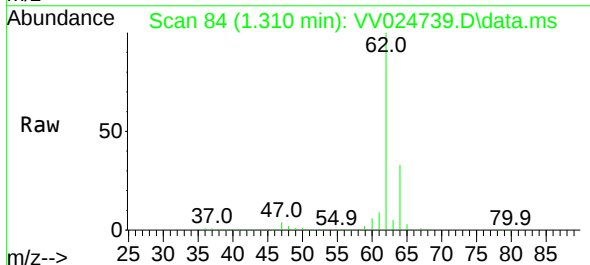
Instrument :
MSVOA_V
ClientSampleId :
F4M34

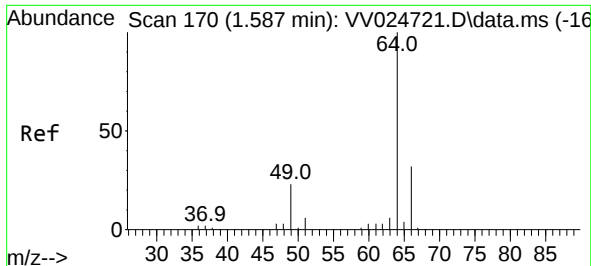
Tgt Ion: 50 Resp: 14575
Ion Ratio Lower Upper
50 100
52 1.2 23.3 43.3#



#5
Vinyl chloride
Concen: 143.590 ug/L
RT: 1.310 min Scan# 84
Delta R.T. -0.000 min
Lab File: VV024739.D
Acq: 17 Feb 2022 21:56

Tgt Ion: 62 Resp: 2548571
Ion Ratio Lower Upper
62 100
64 33.0 22.2 41.2





#8

Chloroethane

Concen: 76.213 ug/L

RT: 1.310 min Scan# 84

Delta R.T. -0.277 min

Lab File: VV024739.D

Acq: 17 Feb 2022 21:56

Instrument :

MSVOA_V

ClientSampleId :

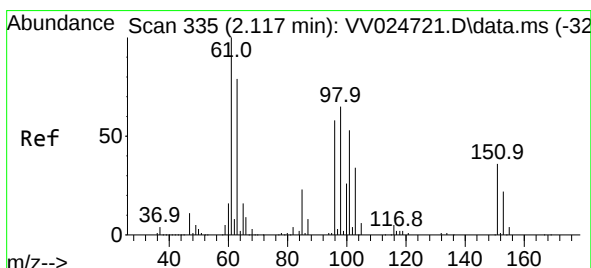
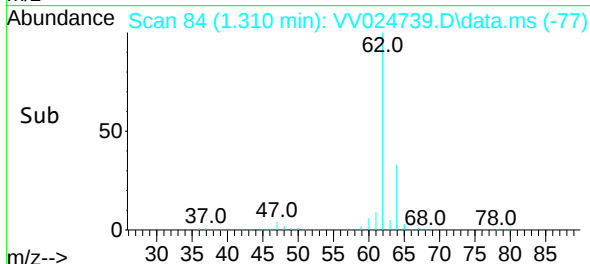
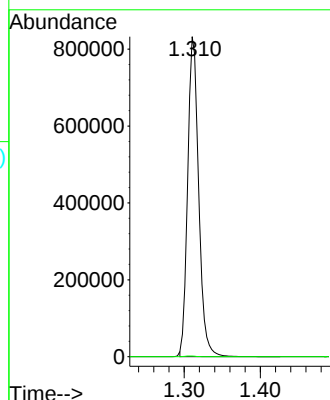
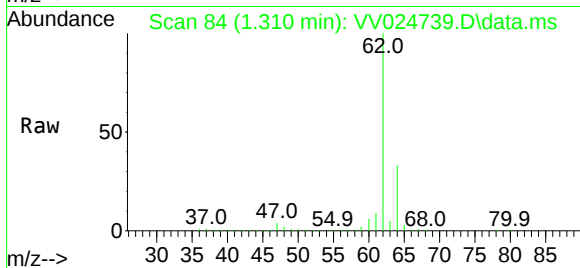
F4M34

Tgt Ion: 64 Resp: 833211

Ion Ratio Lower Upper

64 100

66 0.2 22.5 41.9#



#12

1,1-Dichloroethene

Concen: 0.963 ug/L

RT: 2.121 min Scan# 336

Delta R.T. 0.003 min

Lab File: VV024739.D

Acq: 17 Feb 2022 21:56

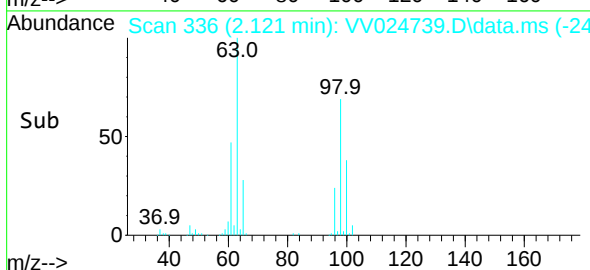
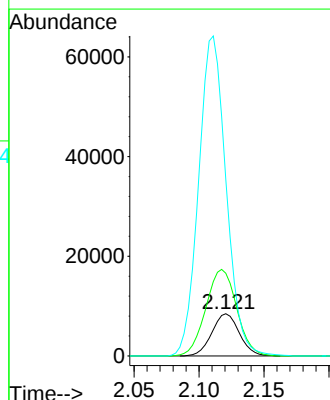
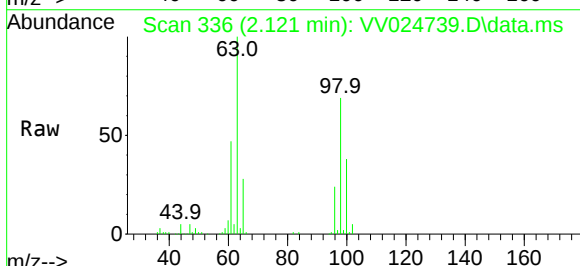
Tgt Ion: 96 Resp: 12444

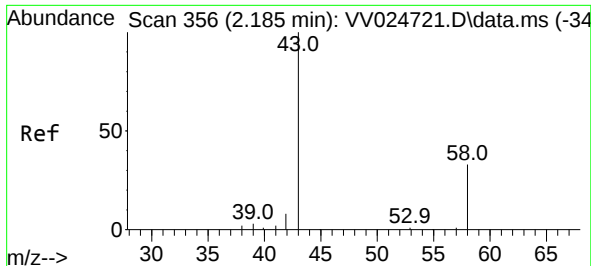
Ion Ratio Lower Upper

96 100

61 195.9 116.3 216.1

63 418.0 86.0 159.6#





#13

Acetone

Concen: 4.204 ug/L

RT: 2.185 min Scan# 356

Delta R.T. -0.000 min

Lab File: VV024739.D

Acq: 17 Feb 2022 21:56

Instrument :

MSVOA_V

ClientSampleId :

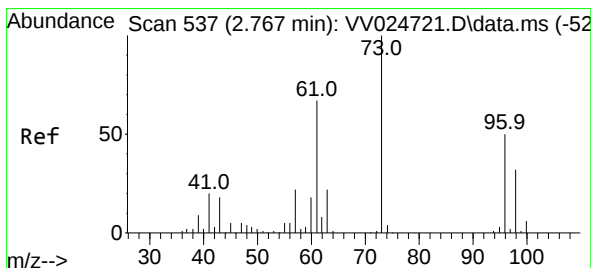
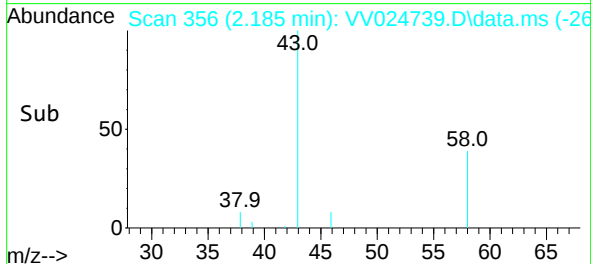
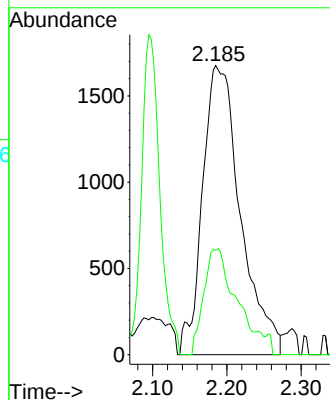
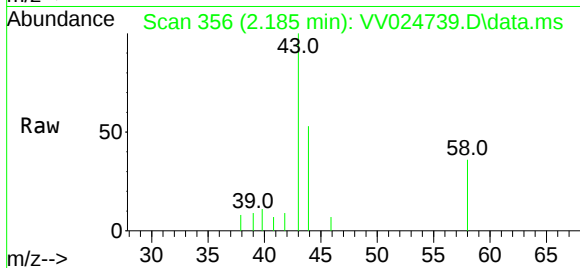
F4M34

Tgt Ion: 43 Resp: 5962

Ion Ratio Lower Upper

43 100

58 32.7 0.0 63.6



#17

Methyl tert-butyl Ether

Concen: 16.047 ug/L

RT: 2.770 min Scan# 538

Delta R.T. 0.003 min

Lab File: VV024739.D

Acq: 17 Feb 2022 21:56

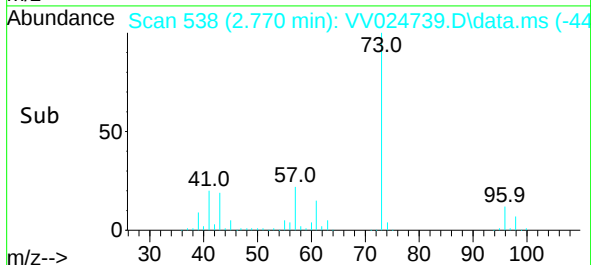
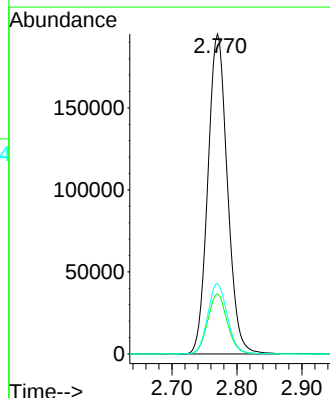
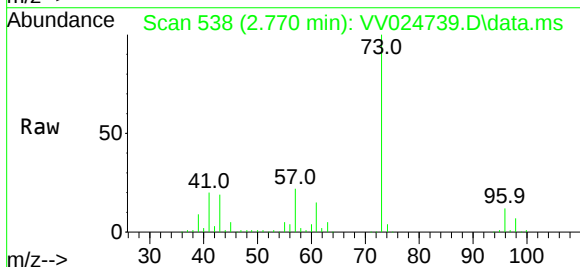
Tgt Ion: 73 Resp: 407773

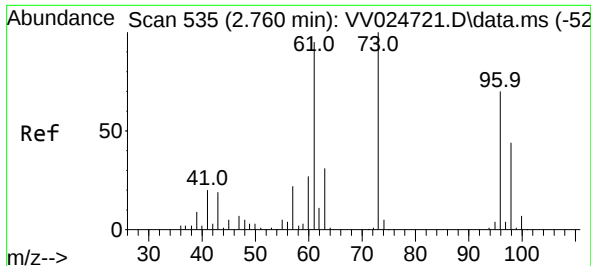
Ion Ratio Lower Upper

73 100

43 18.6 15.1 22.7

57 22.1 17.4 26.2

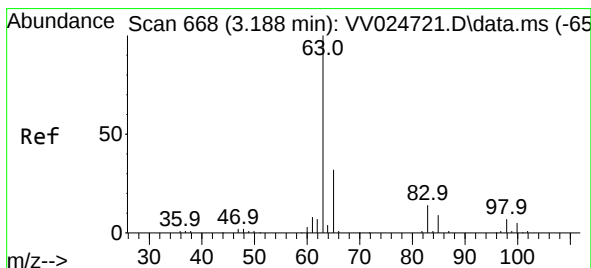
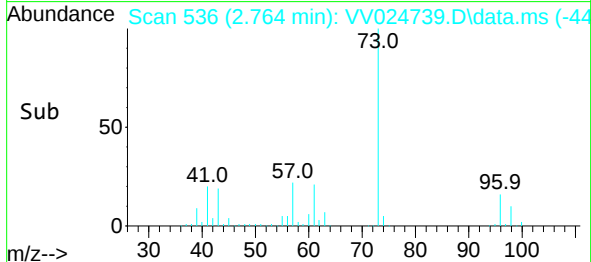
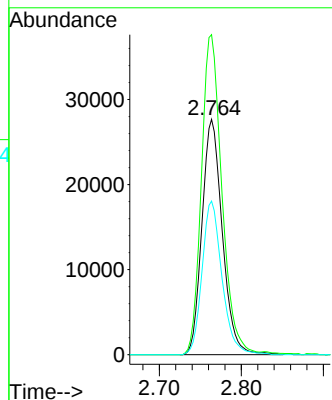
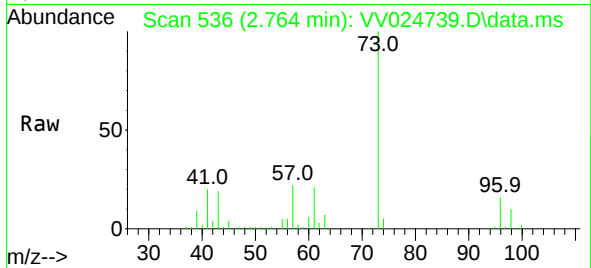




#18
trans-1,2-Dichloroethene
Concen: 3.775 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV024739.D
Acq: 17 Feb 2022 21:56

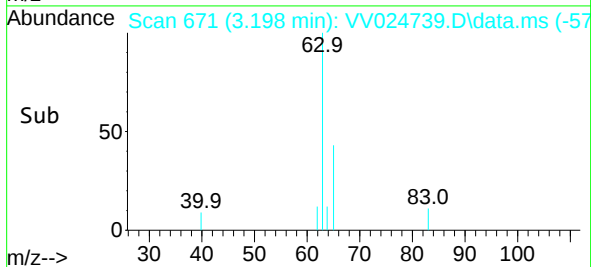
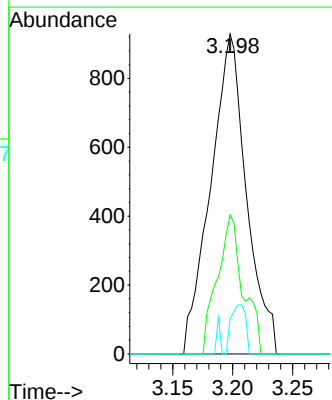
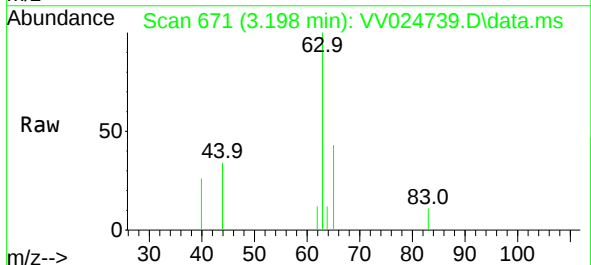
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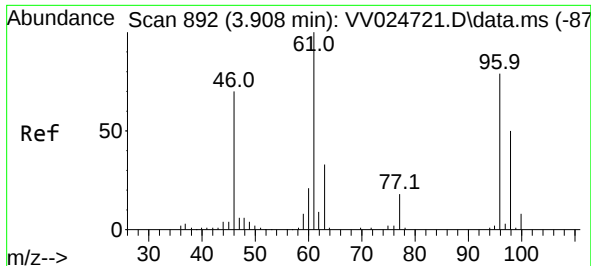
Tgt Ion: 96 Resp: 47661
Ion Ratio Lower Upper
96 100
61 136.0 92.9 172.5
98 65.3 44.5 82.7



#19
1,1-Dichloroethane
Concen: 0.083 ug/L
RT: 3.198 min Scan# 671
Delta R.T. 0.010 min
Lab File: VV024739.D
Acq: 17 Feb 2022 21:56

Tgt Ion: 63 Resp: 1924
Ion Ratio Lower Upper
63 100
65 38.9 22.0 40.8
83 9.9 9.5 17.7

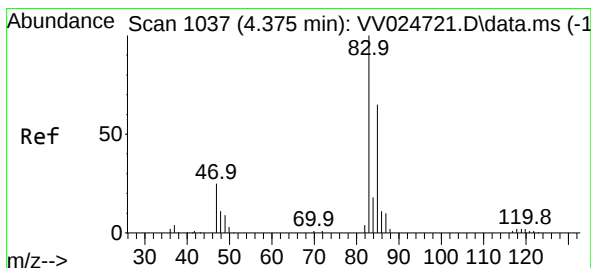
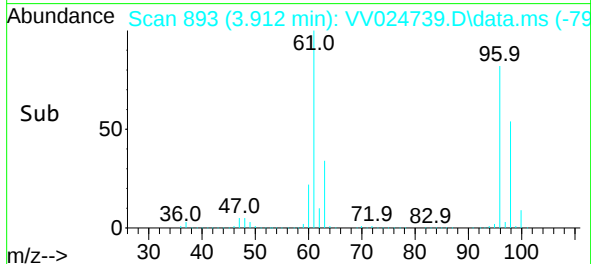
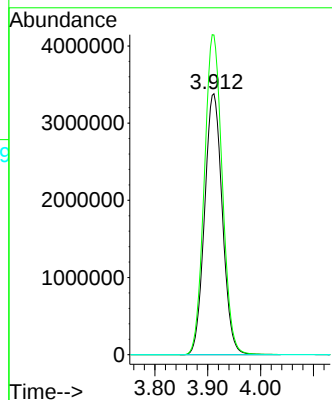
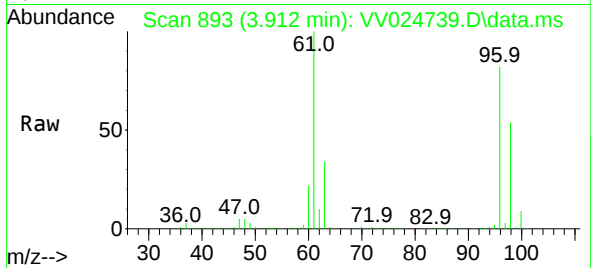




#22
cis-1,2-Dichloroethene
Concen: 590.437 ug/L
RT: 3.912 min Scan# 892
Delta R.T. 0.003 min
Lab File: VV024739.D
Acq: 17 Feb 2022 21:56

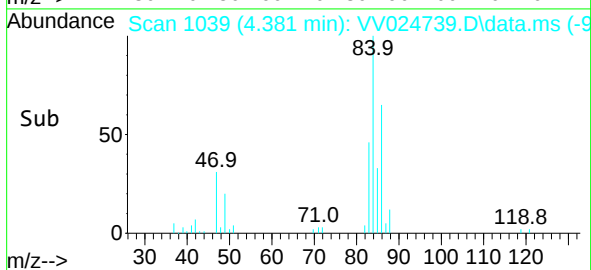
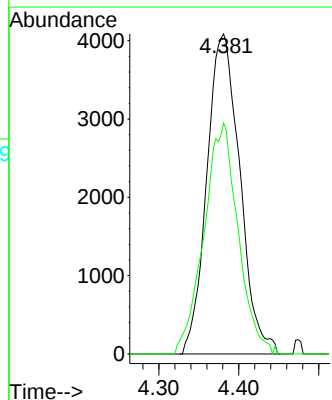
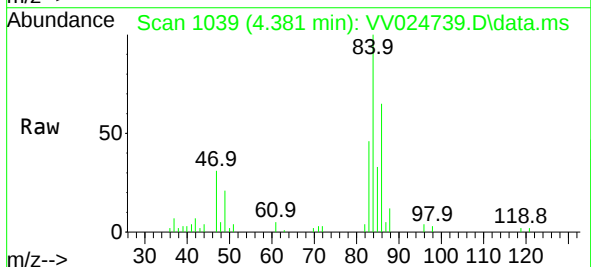
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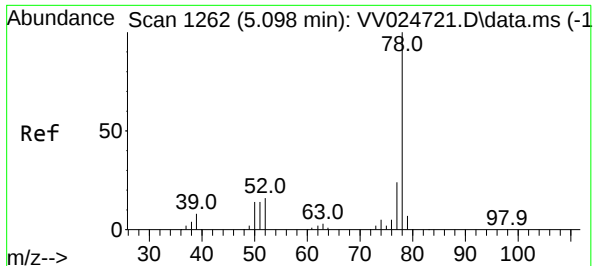
Tgt Ion: 96 Resp: 7879765
Ion Ratio Lower Upper
96 100
61 122.5 89.7 166.5
68 0.0 0.0 0.0



#25
Chloroform
Concen: 0.485 ug/L
RT: 4.381 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VV024739.D
Acq: 17 Feb 2022 21:56

Tgt Ion: 83 Resp: 11711
Ion Ratio Lower Upper
83 100
85 72.1 45.5 84.5

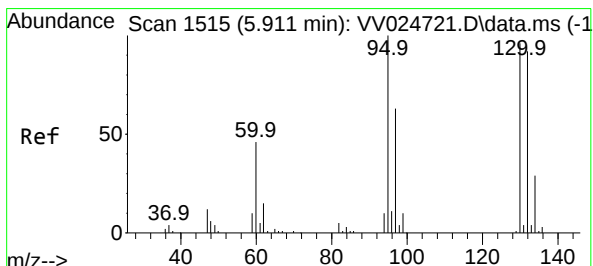
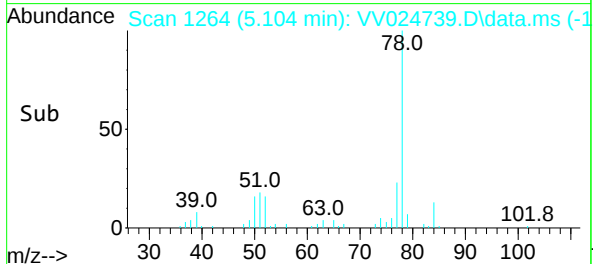
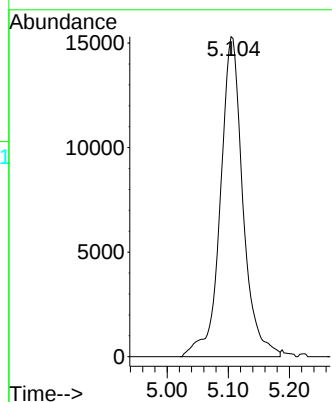
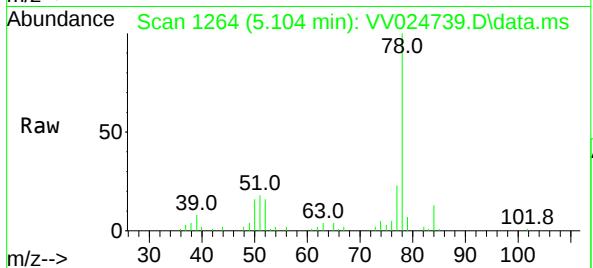




#33
Benzene
Concen: 0.750 ug/L
RT: 5.104 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV024739.D
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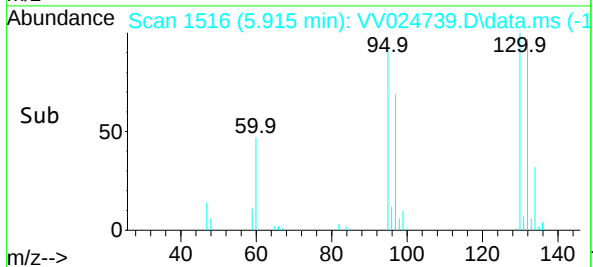
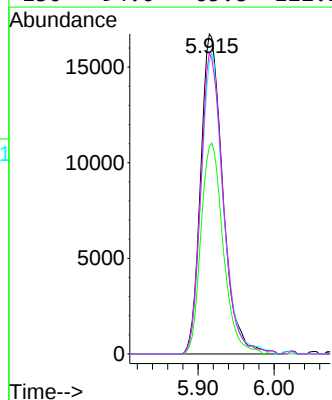
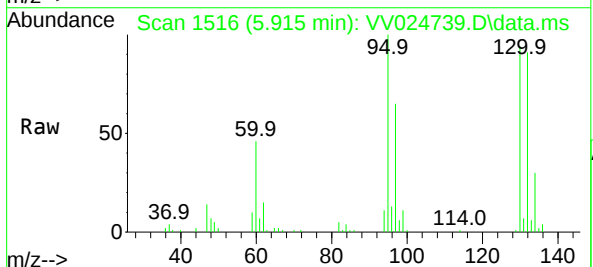
Tgt Ion: 78 Resp: 39268

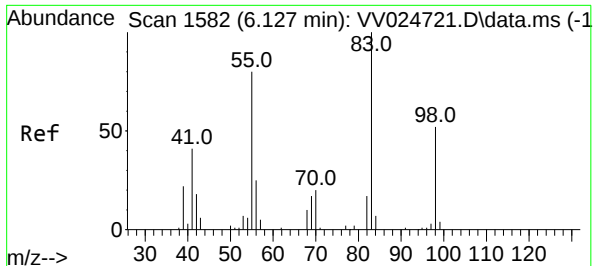


#34
Trichloroethene
Concen: 2.446 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. 0.003 min
Lab File: VV024739.D
Acq: 17 Feb 2022 21:56

Tgt Ion: 95 Resp: 33927

Ion	Ratio	Lower	Upper
95	100		
97	64.8	44.2	82.0
132	91.1	62.1	115.3
130	94.0	65.8	122.2

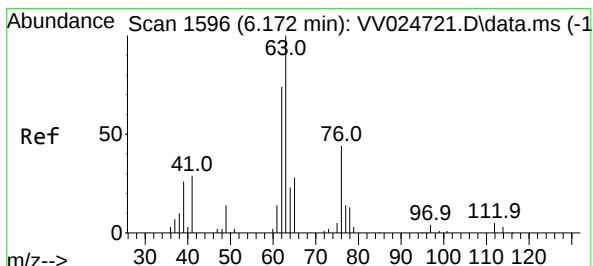
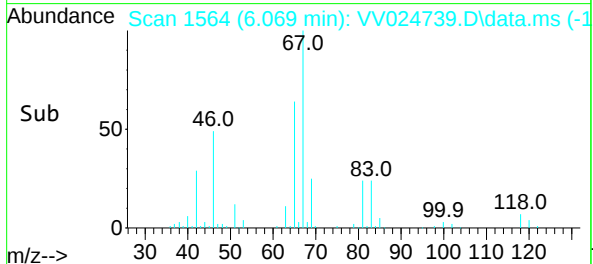
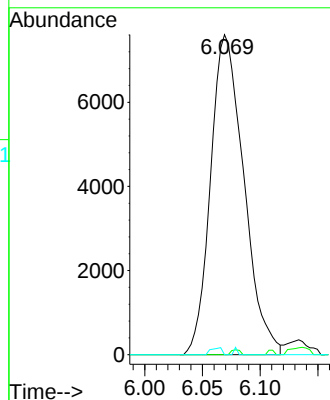
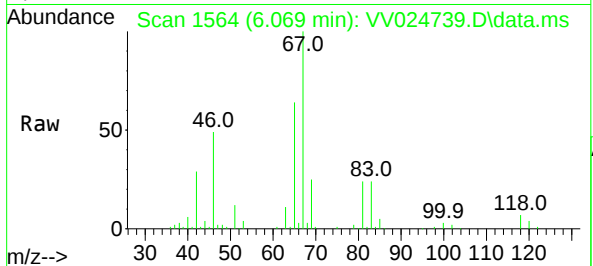




#35
Methylcyclohexane
Concen: 0.680 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.058 min
Lab File: VV024739.D
Acq: 17 Feb 2022 21:56

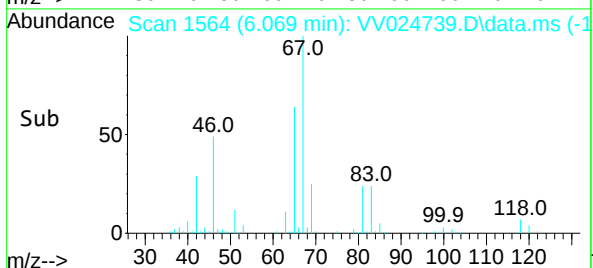
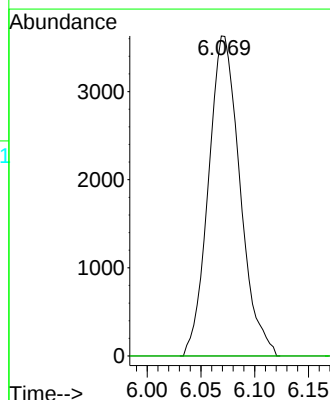
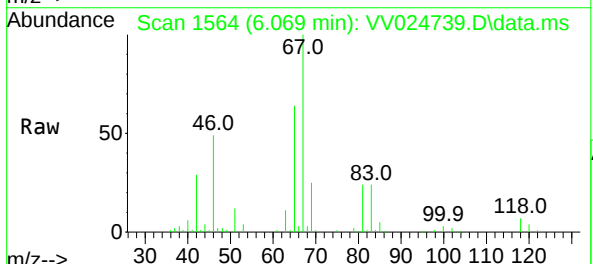
Instrument :
MSVOA_V
ClientSampleId :
F4M34

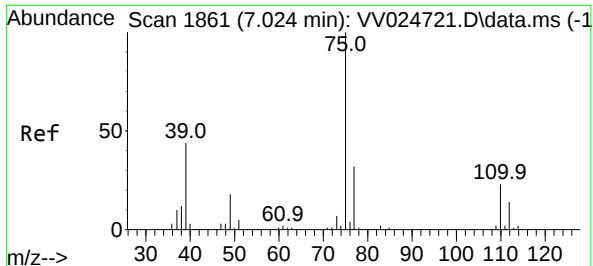
Tgt Ion: 83 Resp: 15227
Ion Ratio Lower Upper
83 100
55 0.4 58.8 88.2#
98 0.7 38.6 58.0#



#37
1,2-Dichloropropane
Concen: 0.598 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.103 min
Lab File: VV024739.D
Acq: 17 Feb 2022 21:56

Tgt Ion: 63 Resp: 7401
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 6.989 min Scan# 11

Delta R.T. -0.035 min

Lab File: VV024739.D

Acq: 17 Feb 2022 21:56

Instrument :

MSVOA_V

ClientSampleId :

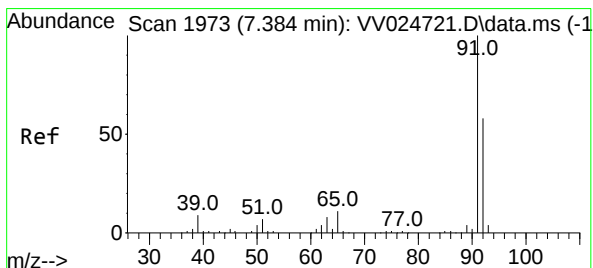
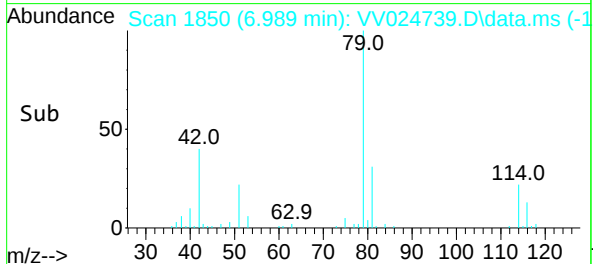
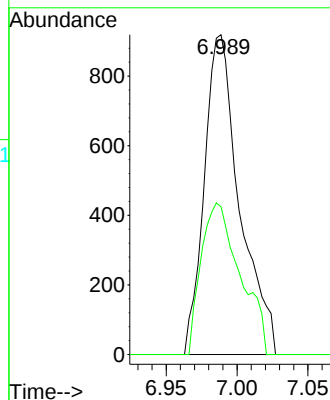
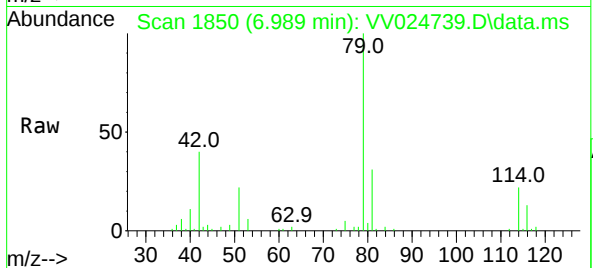
F4M34

Tgt Ion: 75 Resp: 1594

Ion Ratio Lower Upper

75 100

77 46.2 22.3 41.5#



#42

Toluene

Concen: 0.395 ug/L

RT: 7.394 min Scan# 1976

Delta R.T. 0.010 min

Lab File: VV024739.D

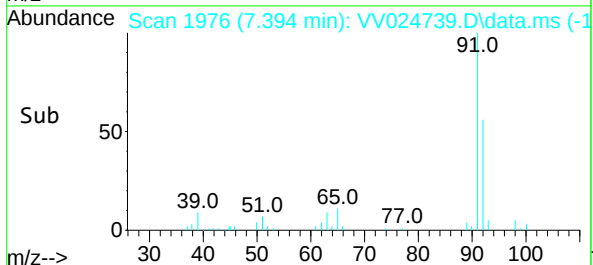
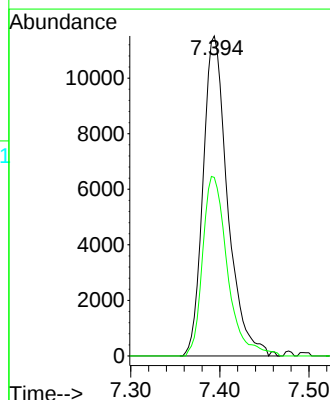
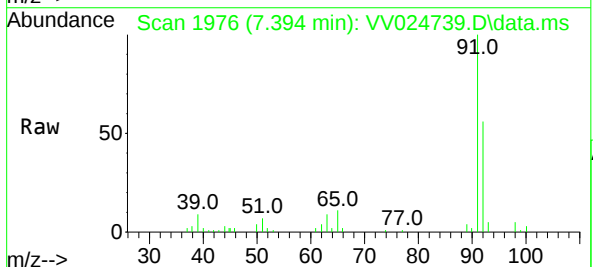
Acq: 17 Feb 2022 21:56

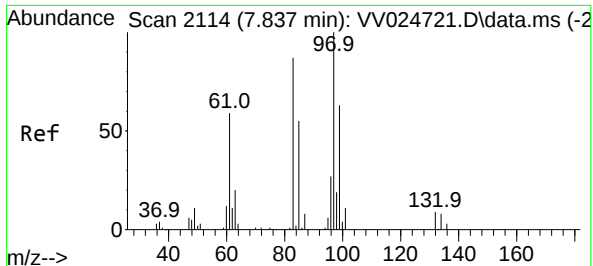
Tgt Ion: 91 Resp: 22029

Ion Ratio Lower Upper

91 100

92 55.8 40.3 74.9





#45

1,1,2-Trichloroethane

Concen: 0.102 ug/L

RT: 7.972 min Scan# 2114

Delta R.T. 0.135 min

Lab File: VV024739.D

Acq: 17 Feb 2022 21:56

Instrument :

MSVOA_V

ClientSampleId :

F4M34

Tgt Ion: 97 Resp: 819

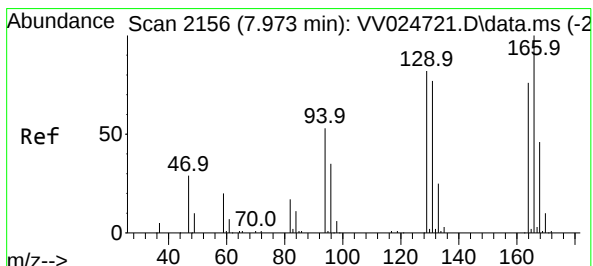
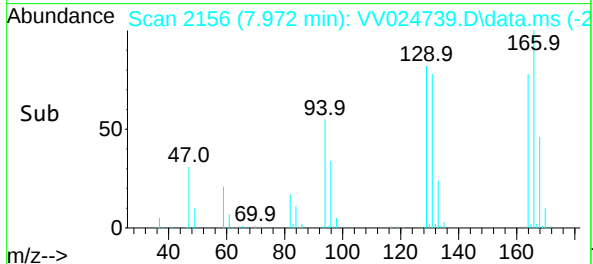
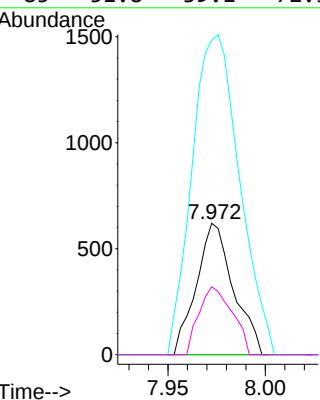
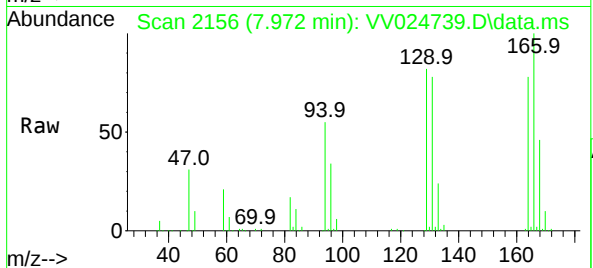
Ion Ratio Lower Upper

97 100

99 0.0 43.8 81.3#

83 239.2 61.3 113.9#

85 51.8 39.1 72.5



#47

Tetrachloroethene

Concen: 9.704 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV024739.D

Acq: 17 Feb 2022 21:56

Tgt Ion:164 Resp: 91641

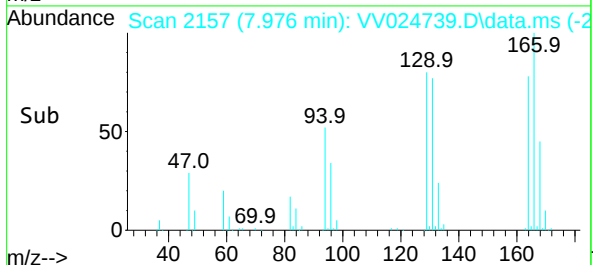
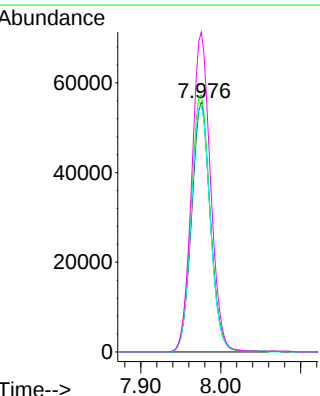
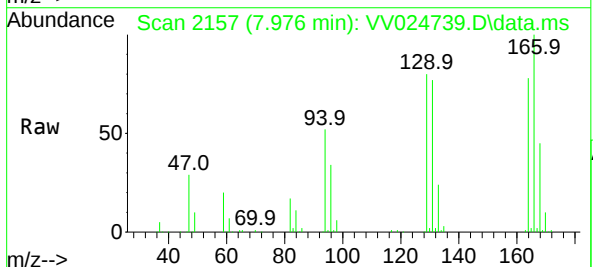
Ion Ratio Lower Upper

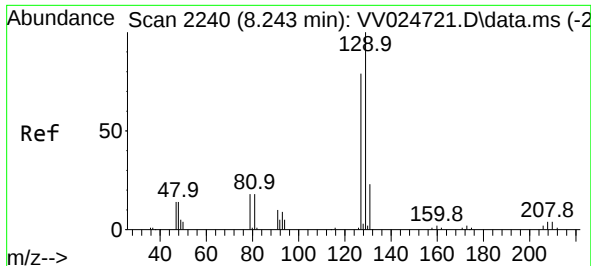
164 100

129 103.3 70.3 130.7

131 99.3 67.7 125.7

166 128.5 88.3 164.1

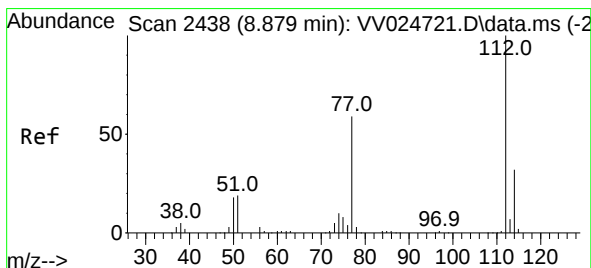
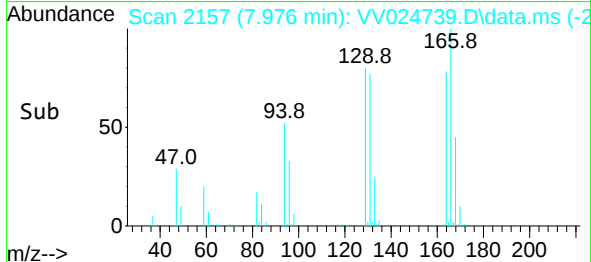
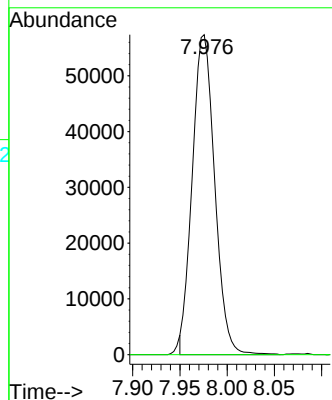
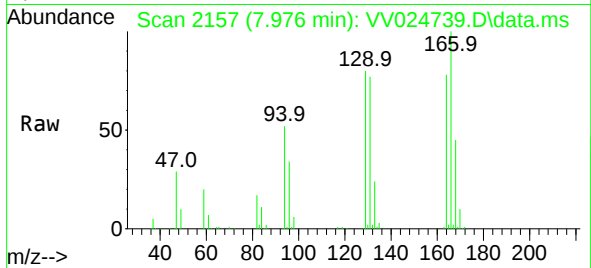




#49
Dibromochloromethane
Concen: 10.584 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.267 min
Lab File: VV024739.D
Acq: 17 Feb 2022 21:56

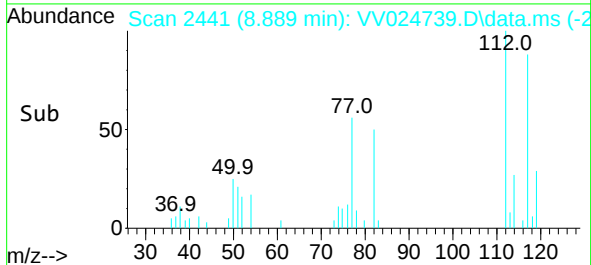
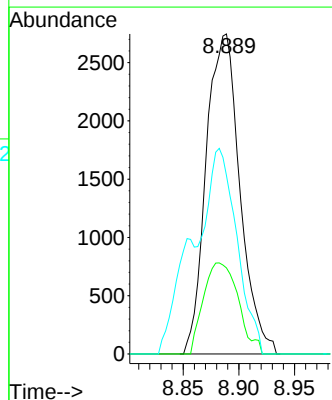
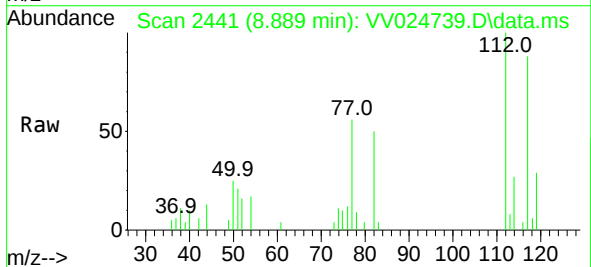
Instrument :
MSVOA_V
ClientSampleId :
F4M34

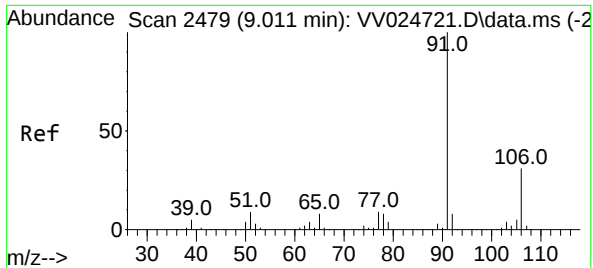
Tgt Ion:129 Resp: 94508
Ion Ratio Lower Upper
129 100
127 0.0 53.6 99.6#



#51
Chlorobenzene
Concen: 0.166 ug/L
RT: 8.889 min Scan# 2441
Delta R.T. 0.010 min
Lab File: VV024739.D
Acq: 17 Feb 2022 21:56

Tgt Ion:112 Resp: 5786
Ion Ratio Lower Upper
112 100
114 26.9 22.3 41.5
77 55.8 48.4 72.6





#52

Ethylbenzene

Concen: 0.038 ug/L

RT: 9.024 min Scan# 24

Delta R.T. 0.013 min

Lab File: VV024739.D

Acq: 17 Feb 2022 21:56

Instrument :

MSVOA_V

ClientSampleId :

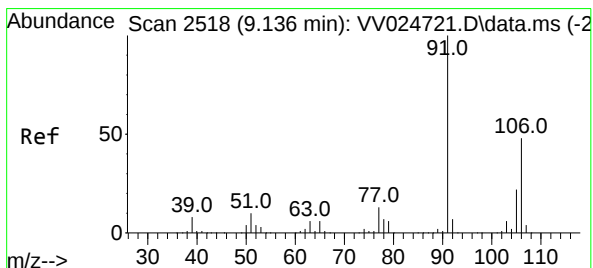
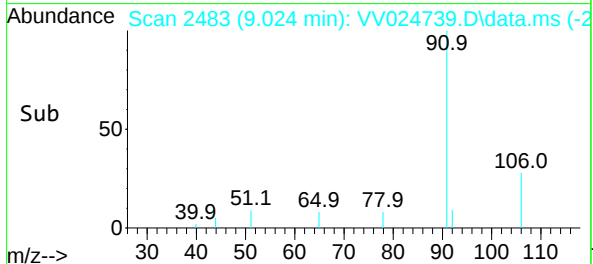
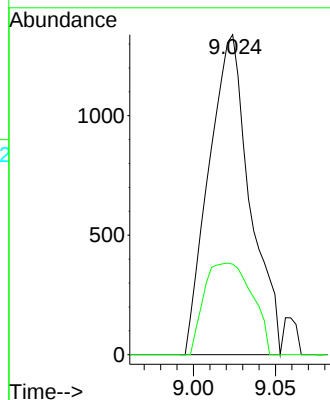
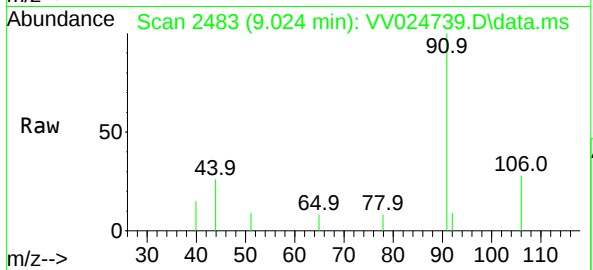
F4M34

Tgt Ion: 91 Resp: 2326

Ion Ratio Lower Upper

91 100

106 28.3 21.3 39.5



#53

m,p-xylene

Concen: 0.128 ug/L

RT: 9.146 min Scan# 2521

Delta R.T. 0.010 min

Lab File: VV024739.D

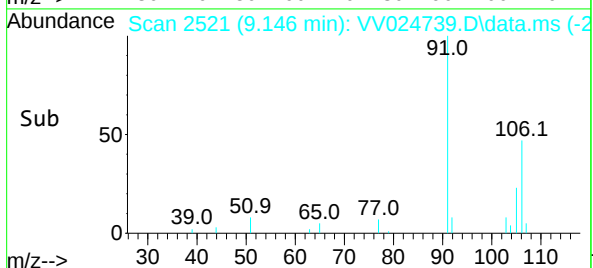
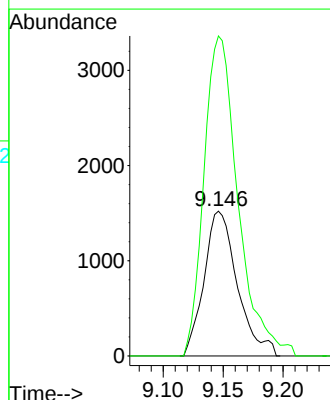
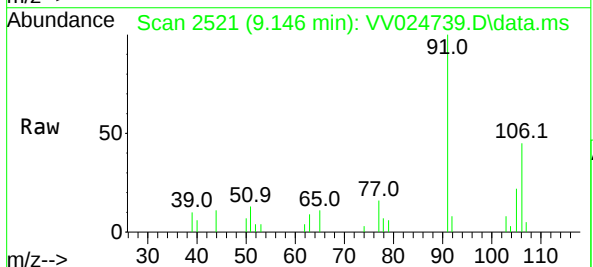
Acq: 17 Feb 2022 21:56

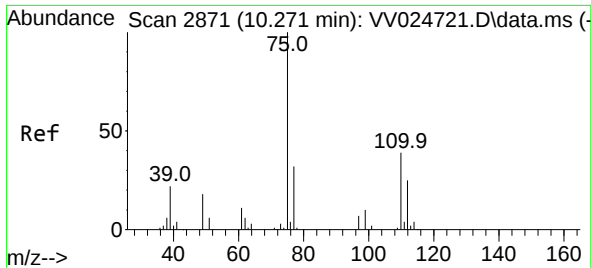
Tgt Ion: 106 Resp: 2934

Ion Ratio Lower Upper

106 100

91 221.1 143.6 266.6





#61

1,2,3-Trichloropropane

Concen: 1.547 ug/L

RT: 11.246 min Scan# 31

Delta R.T. 0.974 min

Lab File: VV024739.D

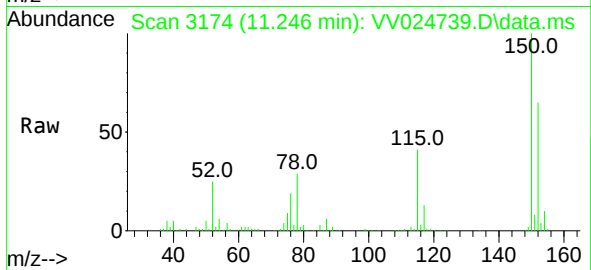
Acq: 17 Feb 2022 21:56

Instrument :

MSVOA_V

ClientSampleId :

F4M34



Tgt Ion: 75 Resp: 9662

Ion Ratio Lower Upper

75 100

77 34.4 26.3 39.5

110 3.1 30.3 45.5#

