

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101322\
 Data File : VW024900.D
 Acq On : 13 Oct 2022 12:58
 Operator : SY/VA
 Sample : MDL 1 PPB
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 1 PPB

Quant Time: Oct 14 02:12:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101222SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Oct 14 02:07:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	442229	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	408172	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	189079	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	120757	23.146	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.600%
7) Chloroethane-d5	2.885	69	68703	22.491	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.960%
11) 1,1-Dichloroethene-d2	4.019	63	202250	17.829	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.320%
21) 2-Butanone-d5	7.080	46	78908	47.733	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.460%
24) Chloroform-d	7.653	84	281502	22.568	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.280%
26) 1,2-Dichloroethane-d4	8.311	65	152290	23.329	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.320%
32) Benzene-d6	8.275	84	611805	23.903	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.600%
36) 1,2-Dichloropropane-d6	9.274	67	185971	23.689	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.760%
41) Toluene-d8	10.323	98	552522	24.051	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.200%
43) trans-1,3-Dichloroprop...	10.579	79	69521	23.350	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.400%
47) 2-Hexanone-d5	10.927	63	59772	45.413	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.820%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	139241	22.743	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.960%
66) 1,2-Dichlorobenzene-d4	13.853	152	162728	23.551	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.200%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.050	96	7865	1.313	ug/L #	1
13) Acetone	4.135	43	3529	3.051	ug/L	71
17) trans-1,2-Dichloroethene	5.428	96	5659	0.868	ug/L	87
18) Methyl tert-butyl Ether	5.434	73	8709	0.899	ug/L #	77
19) 1,1-Dichloroethane	6.220	63	10851	0.899	ug/L #	91
20) cis-1,2-Dichloroethene	7.171	96	6409	0.909	ug/L	86
23) Bromochloromethane	7.519	128	2387	0.828	ug/L	96
25) Chloroform	7.677	83	11591	0.979	ug/L	97
27) 1,2-Dichloroethane	8.397	62	6882	0.899	ug/L	96
29) Cyclohexane	7.958	56	9809	0.827	ug/L	98
30) 1,1,1-Trichloroethane	7.872	97	8222	0.876	ug/L	97
31) Carbon tetrachloride	8.067	117	7141	0.866	ug/L	96
33) Benzene	8.329	78	23973	0.863	ug/L	100
34) Trichloroethene	9.092	95	6270	0.897	ug/L	87
35) Methylcyclohexane	9.335	83	10552	0.838	ug/L	99
37) 1,2-Dichloropropane	9.366	63	6225	0.900	ug/L	100
38) Bromodichloromethane	9.646	83	7345	0.859	ug/L #	89
39) cis-1,3-Dichloropropene	10.073	75	7504	0.750	ug/L	99
44) trans-1,3-Dichloropropene	10.603	75	10096	1.216	ug/L	96

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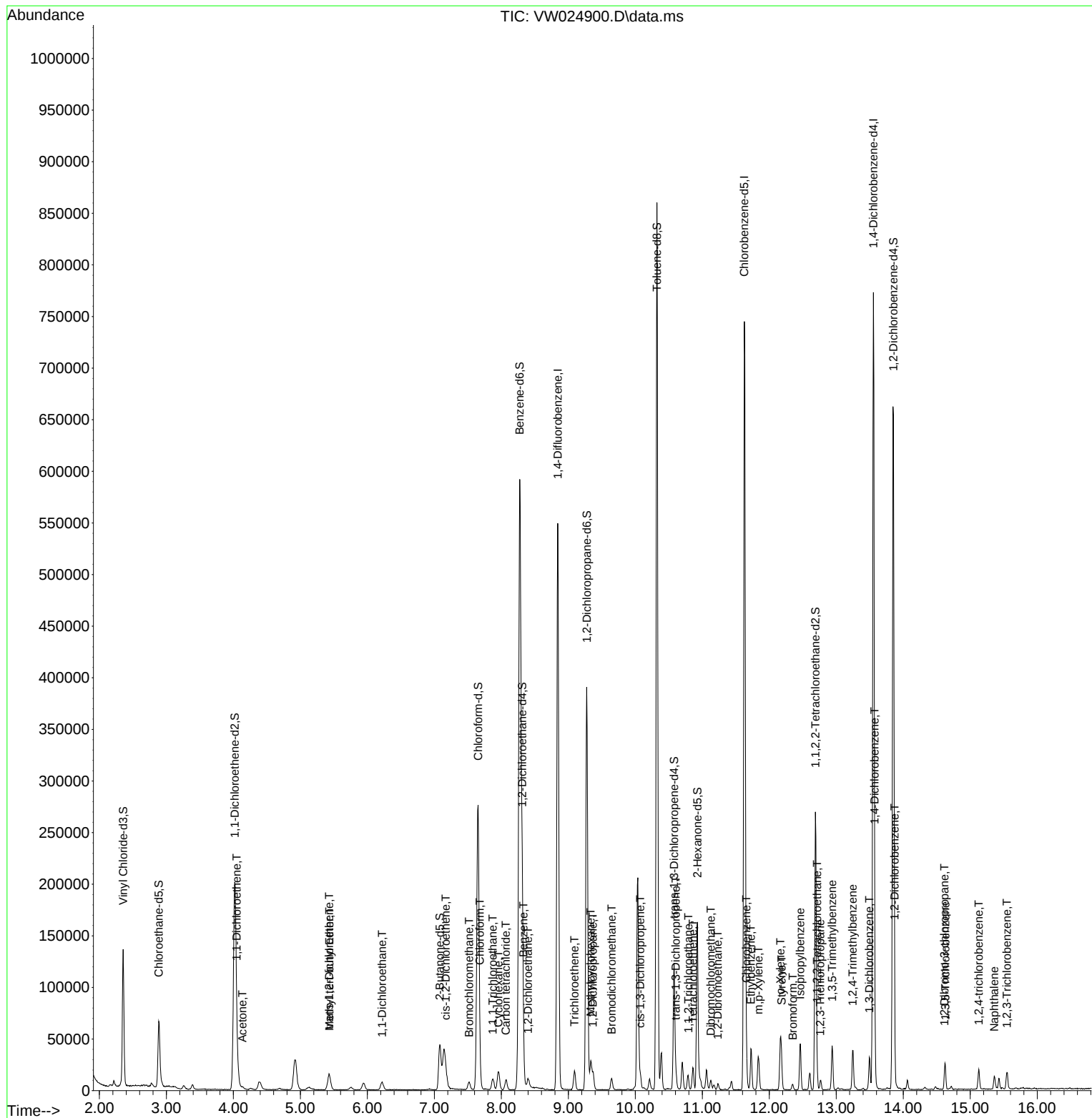
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.792	97	4111	0.850	ug/L	94
46) Tetrachloroethene	10.860	164	4324	0.909	ug/L	85
49) Dibromochloromethane	11.128	129	4453	0.832	ug/L	97
50) 1,2-Dibromoethane	11.231	107	3727	0.818	ug/L	99
51) Chlorobenzene	11.658	112	15704	0.878	ug/L	92
52) Ethylbenzene	11.725	91	27216	0.854	ug/L	100
53) m,p-Xylene	11.841	106	10153	0.838	ug/L	82
54) o-Xylene	12.164	106	9914	0.860	ug/L	97
55) Styrene	12.182	104	16374	0.828	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.713	83	5949	1.009	ug/L #	92
59) Bromoform	12.353	173	2180	0.862	ug/L #	96
60) Isopropylbenzene	12.463	105	26111	0.856	ug/L	96
61) 1,2,3-Trichloropropane	12.762	75	3884	0.934	ug/L	98
62) 1,3,5-Trimethylbenzene	12.938	105	22412	0.856	ug/L	96
63) 1,2,4-Trimethylbenzene	13.243	105	21078	0.835	ug/L	100
64) 1,3-Dichlorobenzene	13.493	146	11465	0.923	ug/L	97
65) 1,4-Dichlorobenzene	13.572	146	11702	0.931	ug/L #	82
67) 1,2-Dichlorobenzene	13.871	146	10816	0.980	ug/L	89
68) 1,2-Dibromo-3-chloropr...	14.615	75	1602	1.773	ug/L #	8
69) 1,3,5-Trichlorobenzene	14.627	180	7293	0.899	ug/L	98
70) 1,2,4-trichlorobenzene	15.127	180	5442	0.827	ug/L	99
71) Naphthalene	15.359	128	10287	0.722	ug/L	98
72) 1,2,3-Trichlorobenzene	15.548	180	4466	0.795	ug/L	93

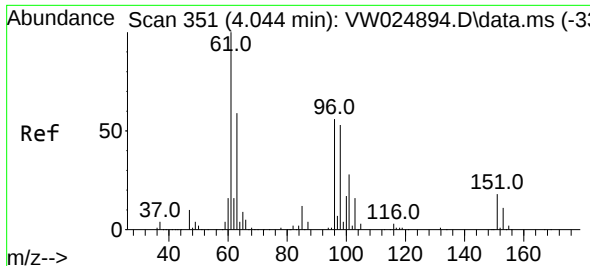
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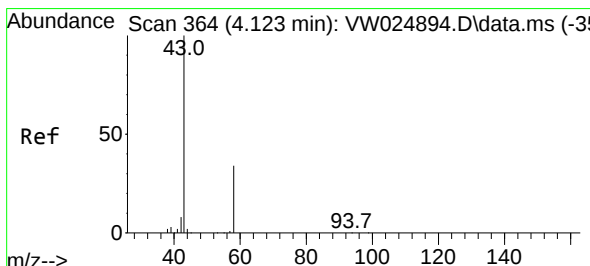
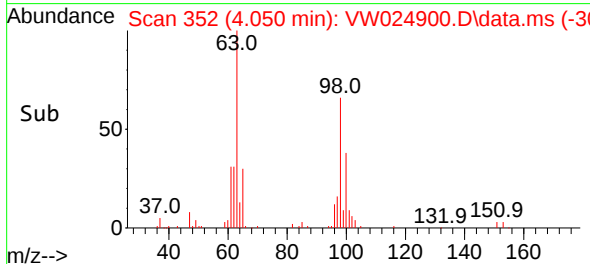
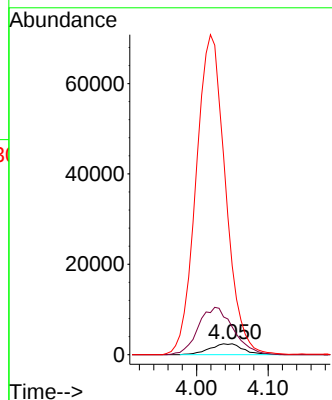
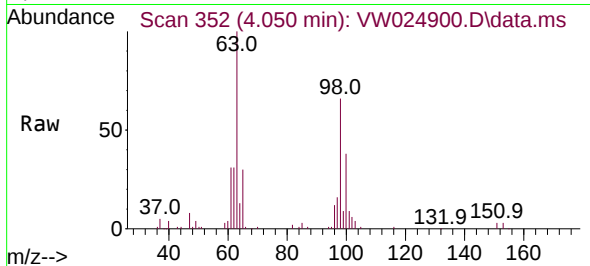




#12
1,1-Dichloroethene
Concen: 1.313 ug/L
RT: 4.050 min Scan# 351
Delta R.T. 0.006 min
Lab File: VW024900.D
Acq: 13 Oct 2022 12:58

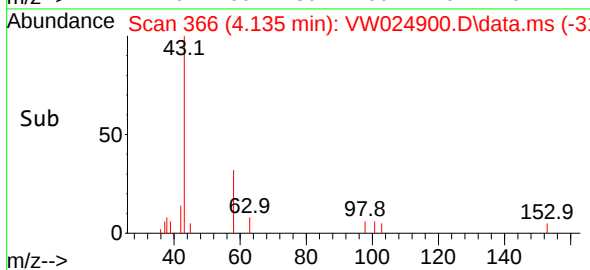
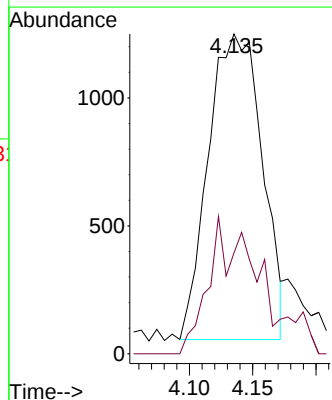
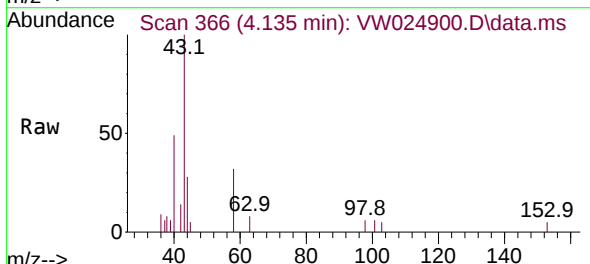
Instrument :
MSVOA_W
ClientSampleId :
MDL 1 PPB

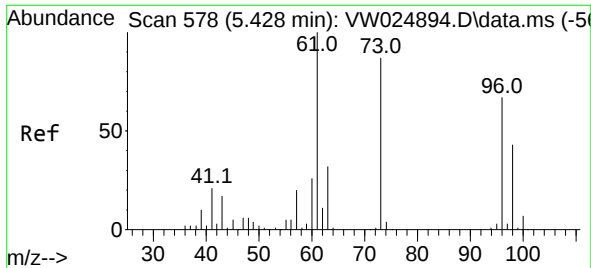
Tgt Ion: 96 Resp: 7865
Ion Ratio Lower Upper
96 100
61 255.0 122.4 227.2#
63 820.0 92.1 171.1#



#13
Acetone
Concen: 3.051 ug/L
RT: 4.135 min Scan# 366
Delta R.T. 0.012 min
Lab File: VW024900.D
Acq: 13 Oct 2022 12:58

Tgt Ion: 43 Resp: 3529
Ion Ratio Lower Upper
43 100
58 15.7 0.0 64.2

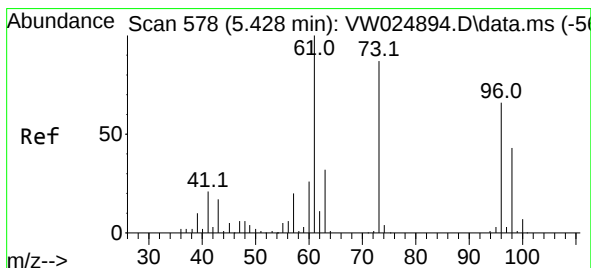
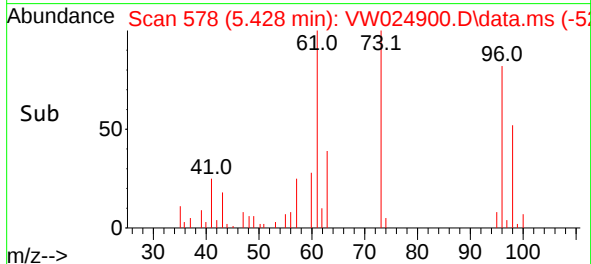
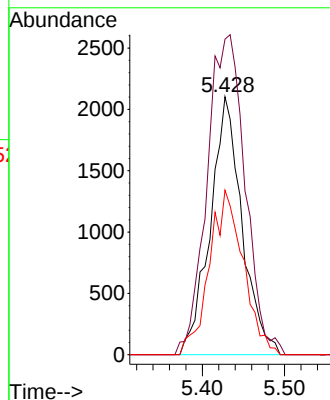
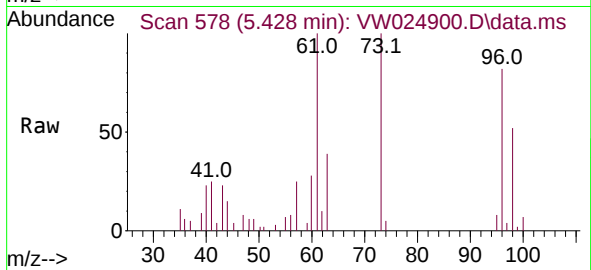




#17
trans-1,2-Dichloroethene
Concen: 0.868 ug/L
RT: 5.428 min Scan# 517
Delta R.T. 0.000 min
Lab File: VW024900.D
Acq: 13 Oct 2022 12:58

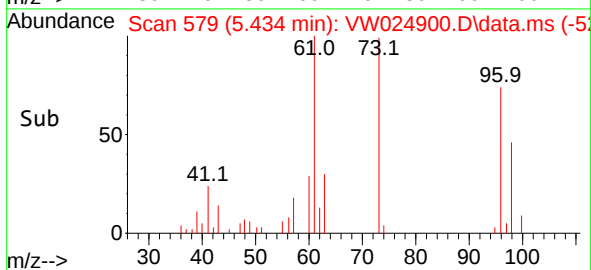
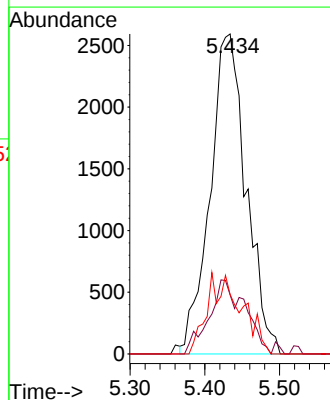
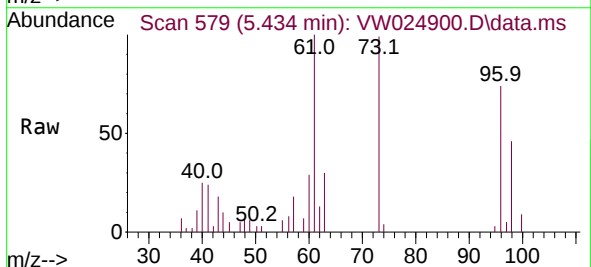
Instrument :
MSVOA_W
ClientSampleId :
MDL 1 PPB

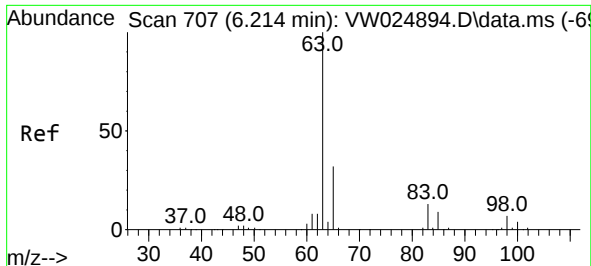
Tgt Ion: 96	Resp:	5659	
Ion	Ratio	Lower	Upper
96	100		
61	122.3	102.2	189.8
98	63.8	44.6	82.8



#18
Methyl tert-butyl Ether
Concen: 0.899 ug/L
RT: 5.434 min Scan# 579
Delta R.T. 0.006 min
Lab File: VW024900.D
Acq: 13 Oct 2022 12:58

Tgt Ion: 73	Resp:	8709
Ion Ratio	Lower	Upper
73 100		
43 13.6	15.8	23.6#
57 7.9	18.2	27.4#





#19

1,1-Dichloroethane

Concen: 0.899 ug/L

RT: 6.220 min Scan# 707

Delta R.T. 0.006 min

Lab File: VW024900.D

Acq: 13 Oct 2022 12:58

Instrument :

MSVOA_W

ClientSampleId :

MDL 1 PPB

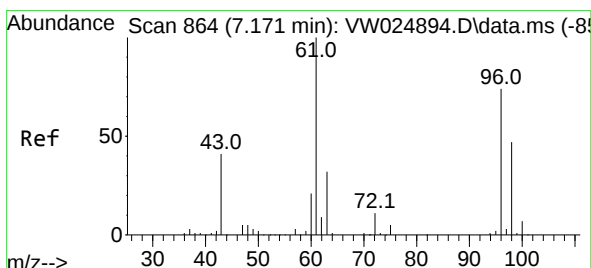
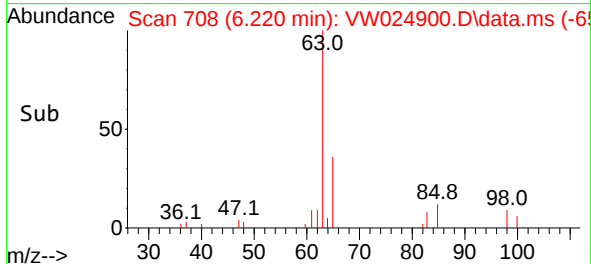
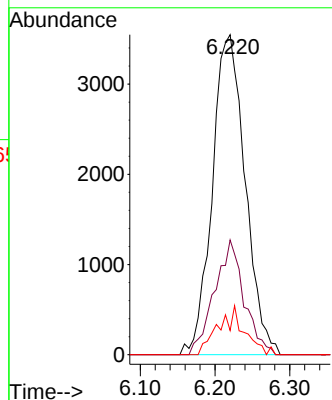
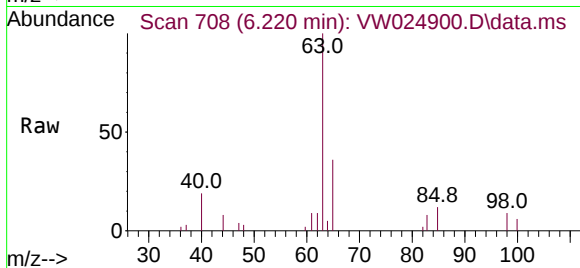
Tgt Ion: 63 Resp: 10851

Ion Ratio Lower Upper

63 100

65 35.9 22.4 41.6

83 7.6 9.6 17.8#



#20

cis-1,2-Dichloroethene

Concen: 0.909 ug/L

RT: 7.171 min Scan# 864

Delta R.T. 0.000 min

Lab File: VW024900.D

Acq: 13 Oct 2022 12:58

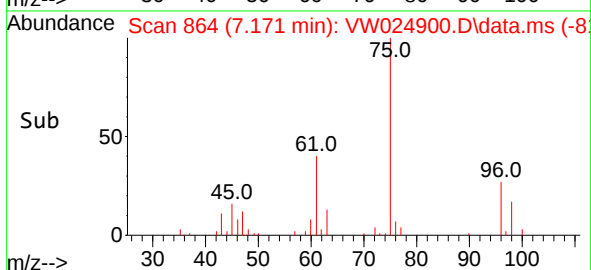
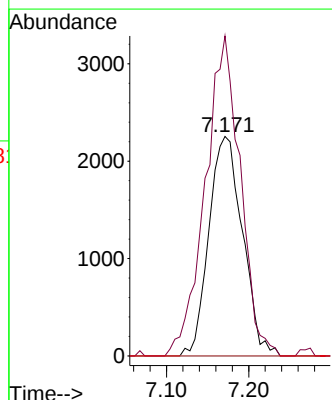
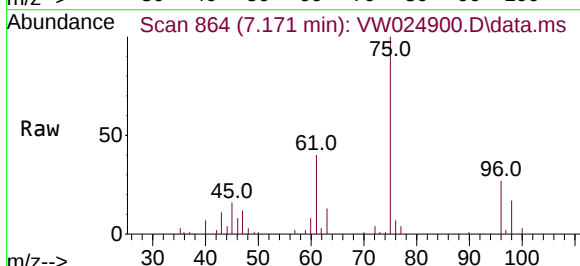
Tgt Ion: 96 Resp: 6409

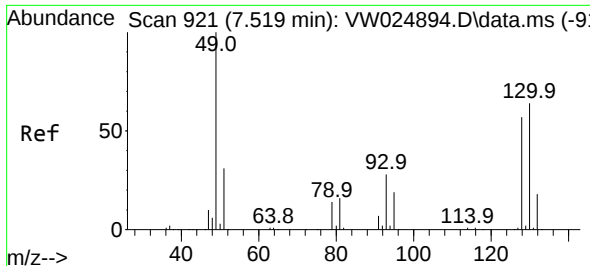
Ion Ratio Lower Upper

96 100

61 145.8 90.9 168.7

68 0.0 0.0 0.0

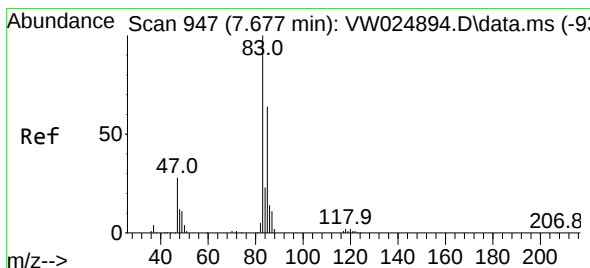
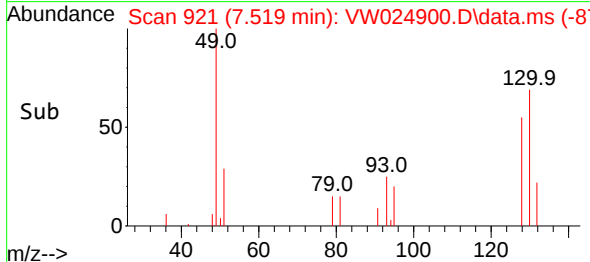
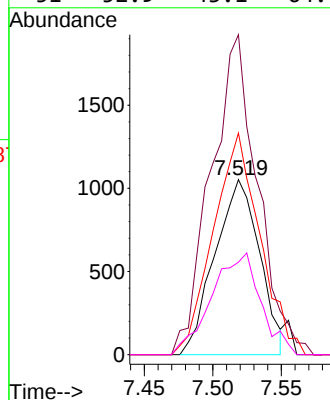
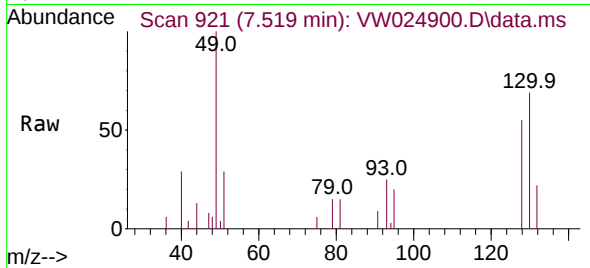




#23
Bromochloromethane
Concen: 0.828 ug/L
RT: 7.519 min Scan# 91
Delta R.T. 0.000 min
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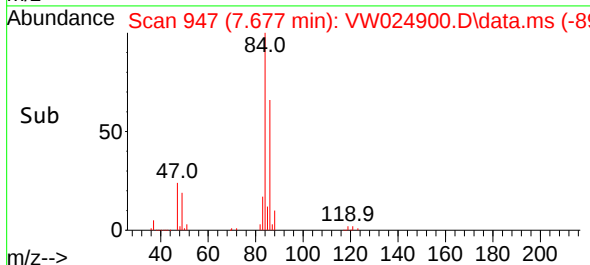
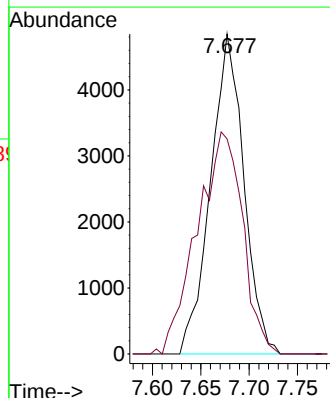
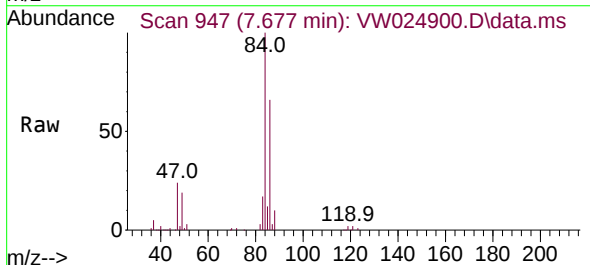
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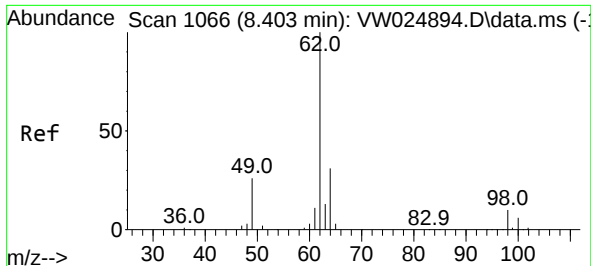
Tgt Ion:	128	Resp:	2387
Ion	Ratio	Lower	Upper
128	100		
49	182.9	122.7	227.9
130	126.6	86.0	159.8
51	52.9	43.1	64.7



#25
Chloroform
Concen: 0.979 ug/L
RT: 7.677 min Scan# 947
Delta R.T. 0.000 min
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Tgt Ion:	83	Resp:	11591
Ion	Ratio	Lower	Upper
83	100		
85	67.2	45.3	84.1





#27

1,2-Dichloroethane

Concen: 0.899 ug/L

RT: 8.397 min Scan# 1065

Delta R.T. -0.006 min

Lab File: VW024900.D

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ClientSampleId :

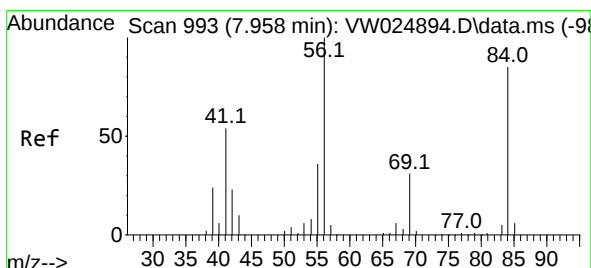
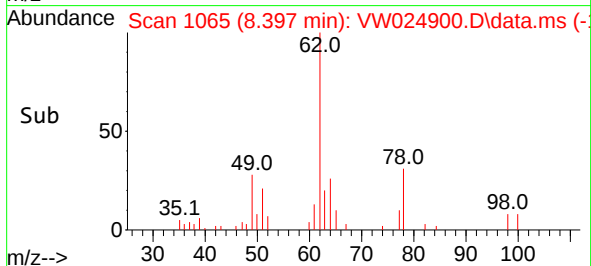
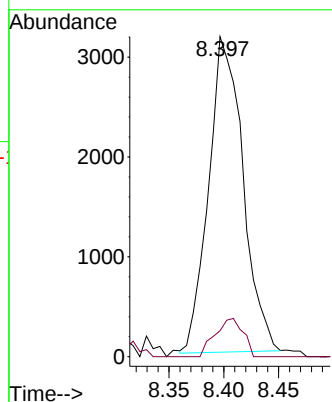
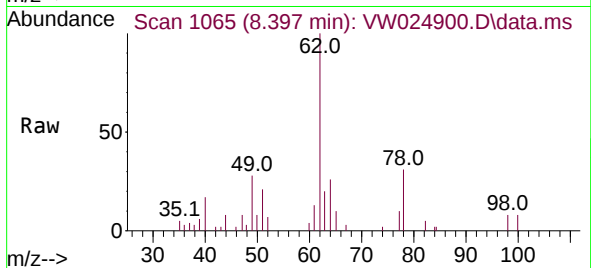
MDL 1 PPB

Tgt Ion: 62 Resp: 6882

Ion Ratio Lower Upper

62 100

98 8.1 7.8 11.6



#29

Cyclohexane

Concen: 0.827 ug/L

RT: 7.958 min Scan# 993

Delta R.T. 0.000 min

Lab File: VW024900.D

Acq: 13 Oct 2022 12:58

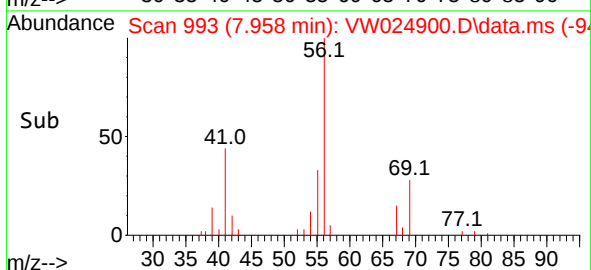
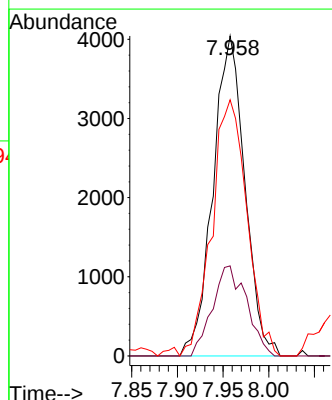
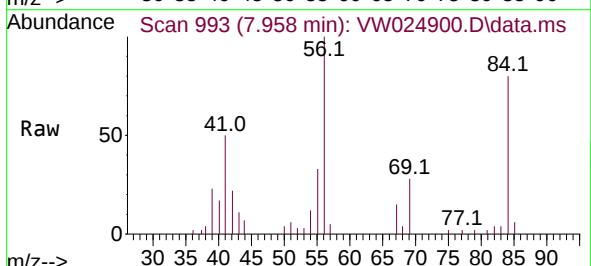
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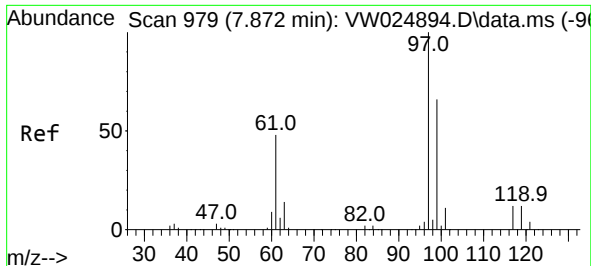
Ion Ratio Lower Upper

56 100

69 30.2 24.2 36.2

84 87.6 67.7 101.5

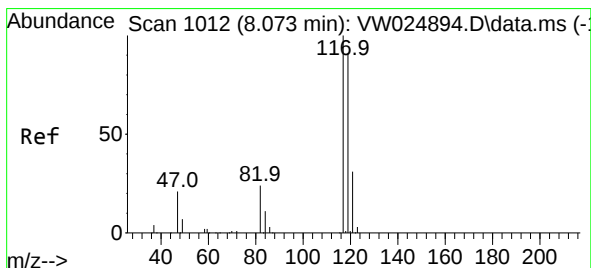
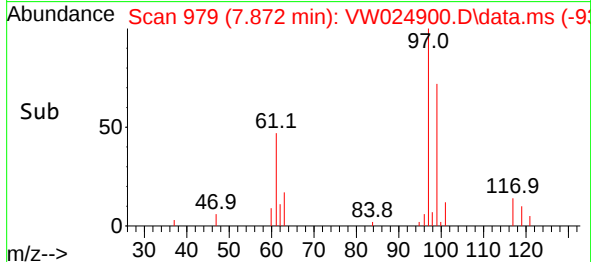
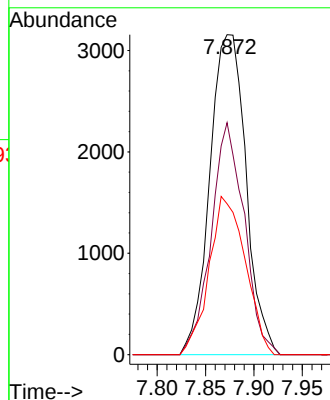
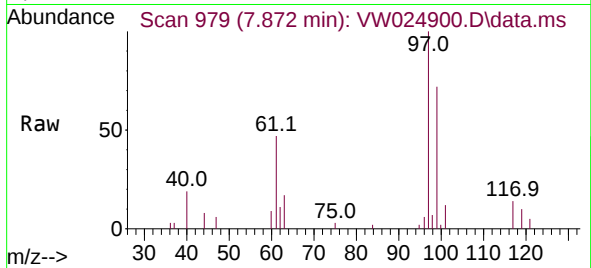




#30
1,1,1-Trichloroethane
Concen: 0.876 ug/L
RT: 7.872 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW024900.D
Acq: 13 Oct 2022 12:58

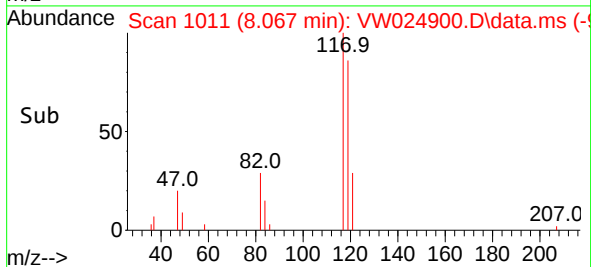
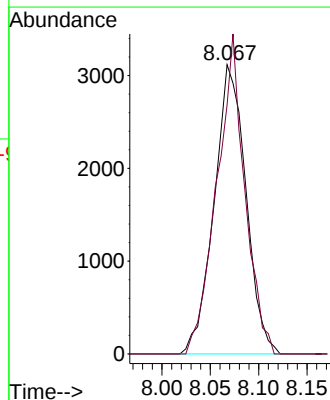
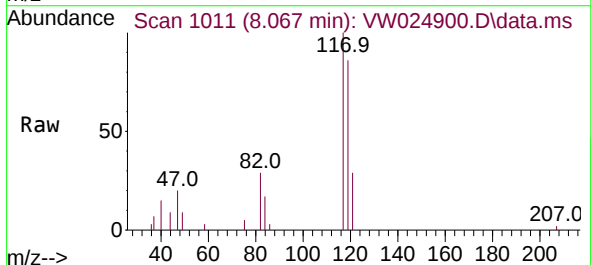
Instrument :
MSVOA_W
ClientSampleId :
MDL 1 PPB

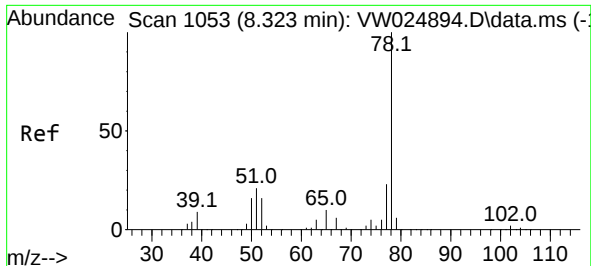
Tgt Ion: 97 Resp: 8222
Ion Ratio Lower Upper
97 100
99 65.9 51.2 76.8
61 49.5 37.3 55.9



#31
Carbon tetrachloride
Concen: 0.866 ug/L
RT: 8.067 min Scan# 1011
Delta R.T. -0.006 min
Lab File: VW024900.D
Acq: 13 Oct 2022 12:58

Tgt Ion: 117 Resp: 7141
Ion Ratio Lower Upper
117 100
119 97.3 75.1 112.7





#33

Benzene

Concen: 0.863 ug/L

RT: 8.329 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VW024900.D

Acq: 13 Oct 2022 12:58

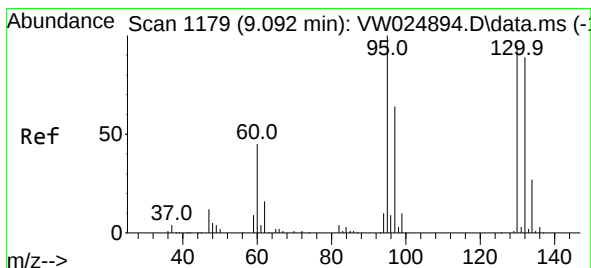
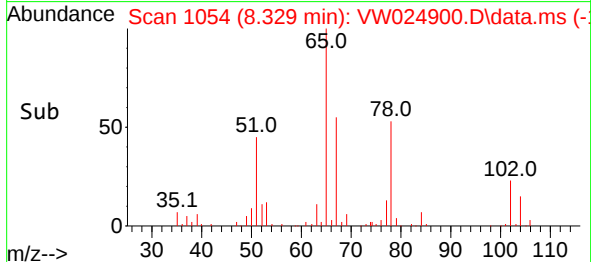
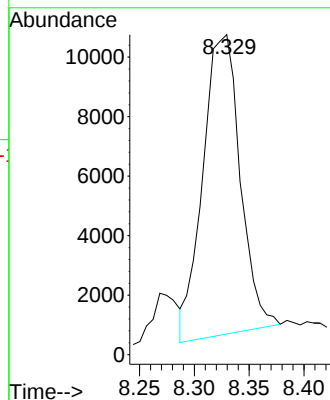
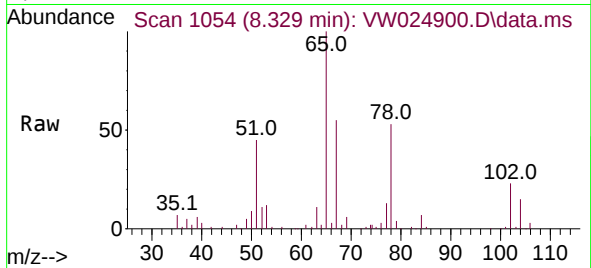
Instrument :

MSVOA_W

ClientSampleId :

MDL 1 PPB

Tgt Ion: 78 Resp: 23973



#34

Trichloroethene

Concen: 0.897 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VW024900.D

Acq: 13 Oct 2022 12:58

Tgt Ion: 95 Resp: 6270

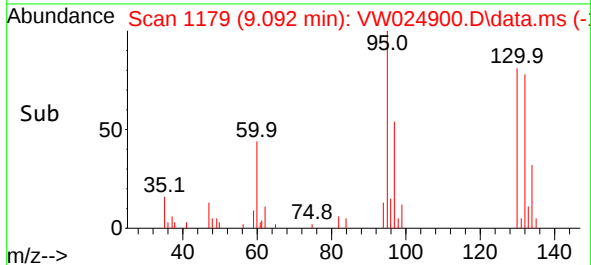
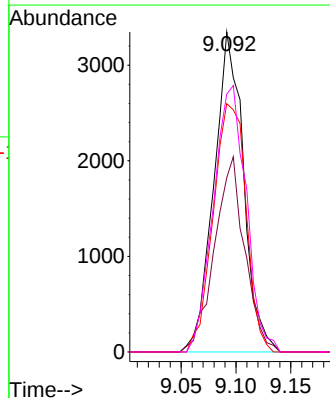
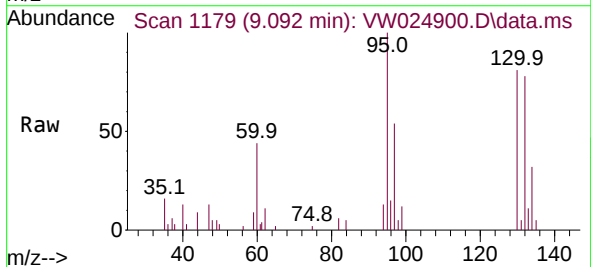
Ion Ratio Lower Upper

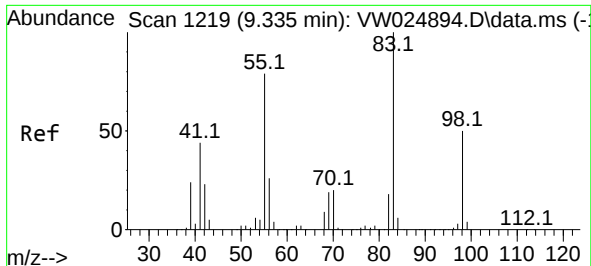
95 100

97 54.5 44.2 82.0

132 77.6 62.9 116.7

130 80.6 66.8 124.0

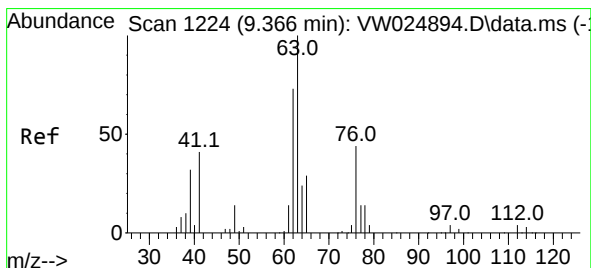
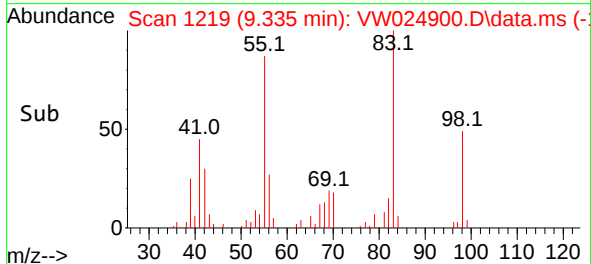
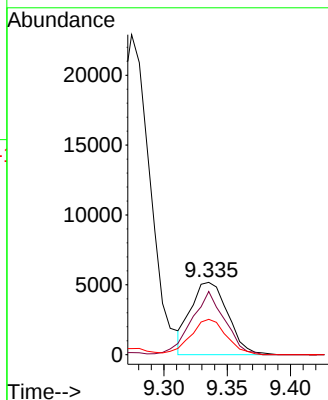
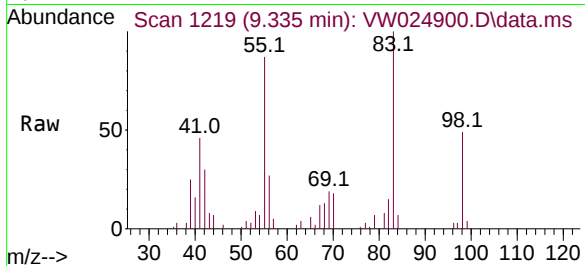




#35
Methylcyclohexane
Concen: 0.838 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW024900.D
Acq: 13 Oct 2022 12:58

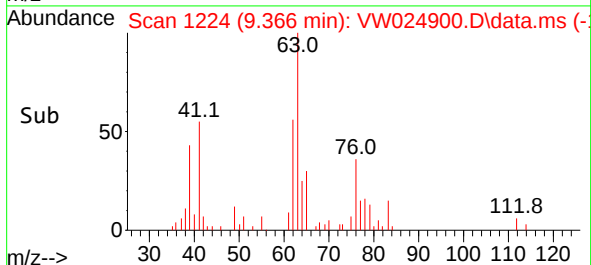
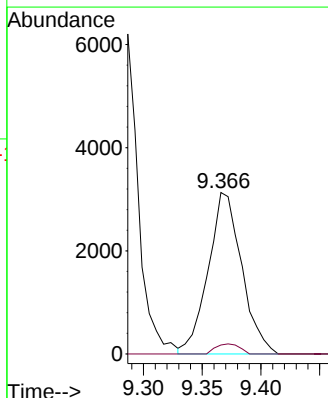
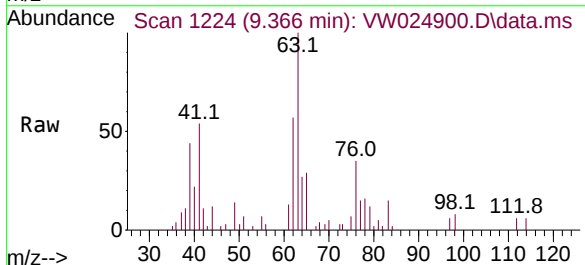
Instrument :
MSVOA_W
ClientSampleId :
MDL 1 PPB

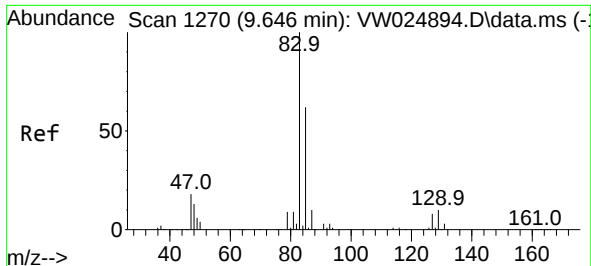
Tgt Ion: 83 Resp: 10552
Ion Ratio Lower Upper
83 100
55 78.5 62.5 93.7
98 47.1 37.2 55.8



#37
1,2-Dichloropropane
Concen: 0.900 ug/L
RT: 9.366 min Scan# 1224
Delta R.T. 0.000 min
Lab File: VW024900.D
Acq: 13 Oct 2022 12:58

Tgt Ion: 63 Resp: 6225
Ion Ratio Lower Upper
63 100
112 4.4 3.4 5.2

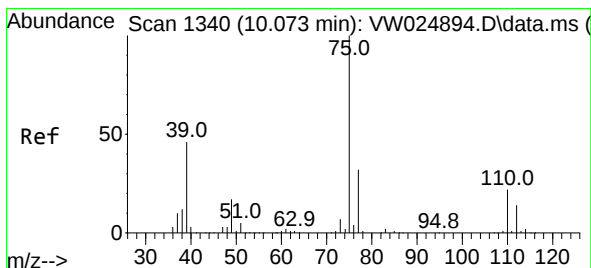
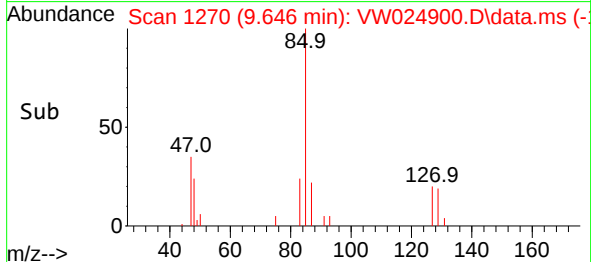
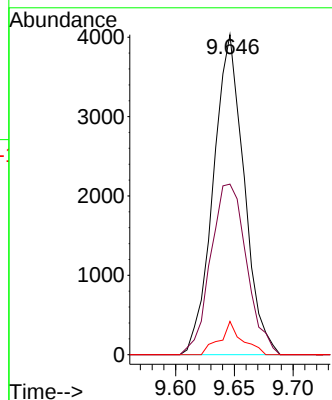
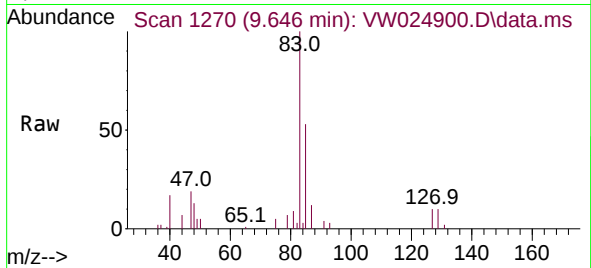




#38
Bromodichloromethane
Concen: 0.859 ug/L
RT: 9.646 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW024900.D
Acq: 13 Oct 2022 12:58

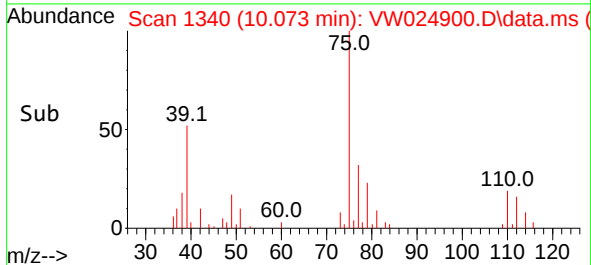
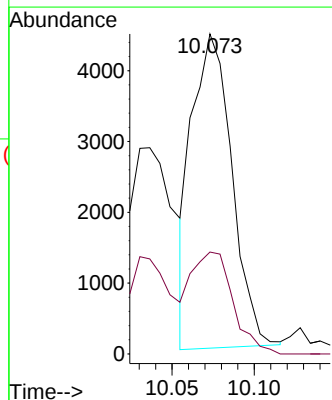
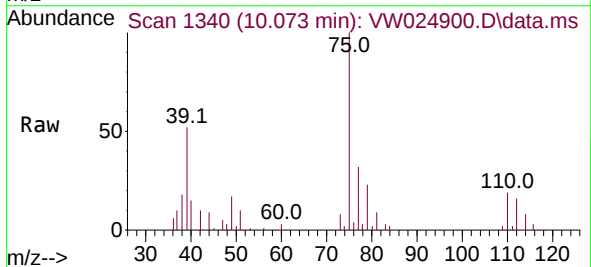
Instrument :
MSVOA_W
ClientSampleId :
MDL 1 PPB

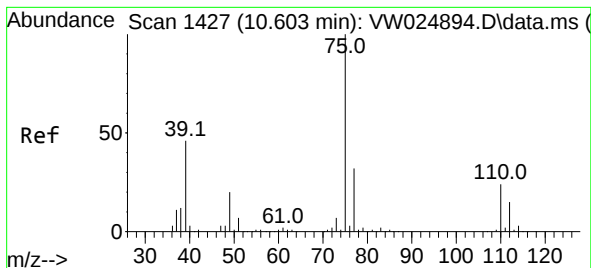
Tgt Ion: 83 Resp: 7345
Ion Ratio Lower Upper
83 100
85 53.3 43.6 81.0
127 10.4 6.3 9.5#



#39
cis-1,3-Dichloropropene
Concen: 0.750 ug/L
RT: 10.073 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VW024900.D
Acq: 13 Oct 2022 12:58

Tgt Ion: 75 Resp: 7504
Ion Ratio Lower Upper
75 100
77 31.8 21.9 40.7





#44

trans-1,3-Dichloropropene

Concen: 1.216 ug/L

RT: 10.603 min Scan# 1427

Delta R.T. 0.000 min

Lab File: VW024900.D

Acq: 13 Oct 2022 12:58

Instrument :

MSVOA_W

ClientSampleId :

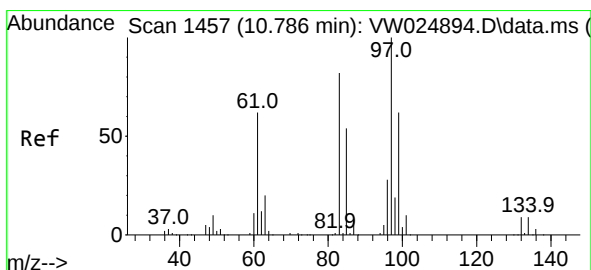
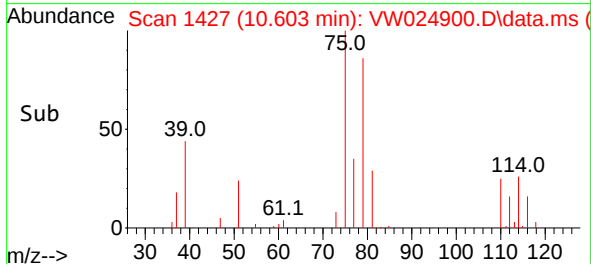
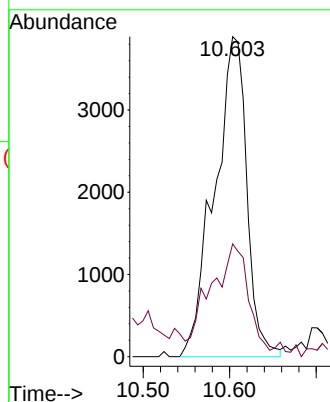
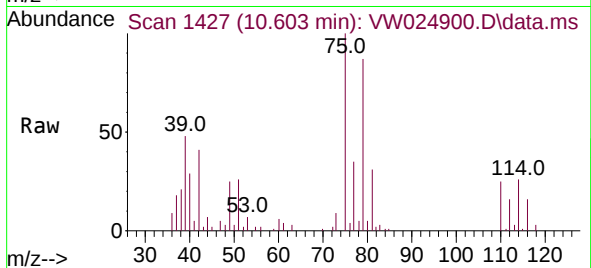
MDL 1 PPB

Tgt Ion: 75 Resp: 10096

Ion Ratio Lower Upper

75 100

77 35.2 23.0 42.6



#45

1,1,2-Trichloroethane

Concen: 0.850 ug/L

RT: 10.792 min Scan# 1458

Delta R.T. 0.006 min

Lab File: VW024900.D

Acq: 13 Oct 2022 12:58

Tgt Ion: 97 Resp: 4111

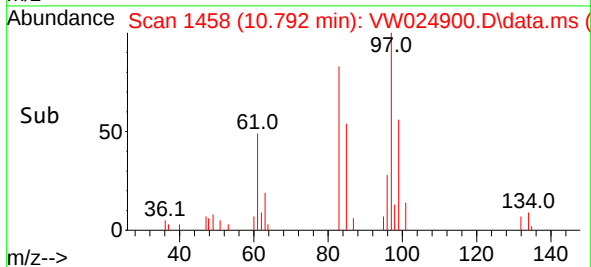
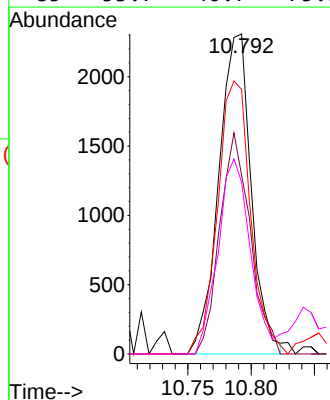
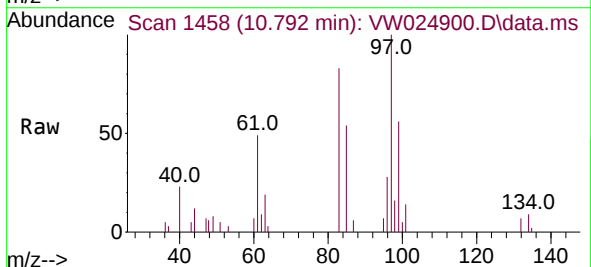
Ion Ratio Lower Upper

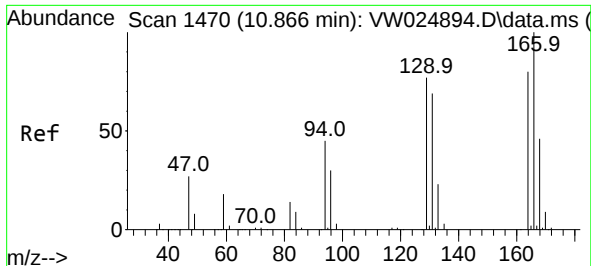
97 100

99 55.8 44.7 83.1

83 82.7 59.6 110.8

85 53.7 40.7 75.5

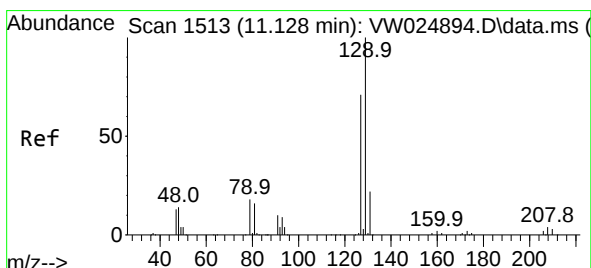
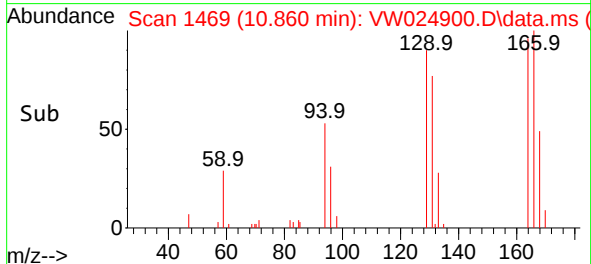
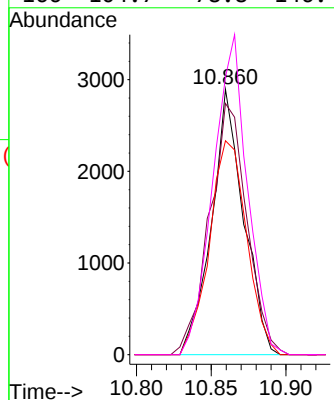
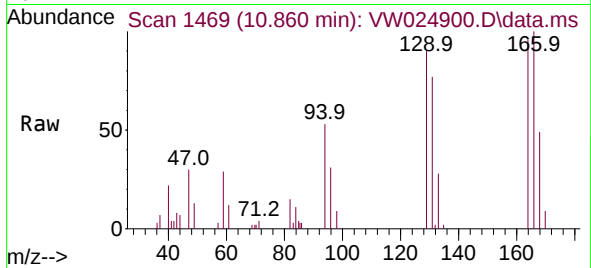




#46
Tetrachloroethene
Concen: 0.909 ug/L
RT: 10.860 min Scan# 1470
Delta R.T. -0.006 min
Lab File: VW024900.D
Acq: 13 Oct 2022 12:58

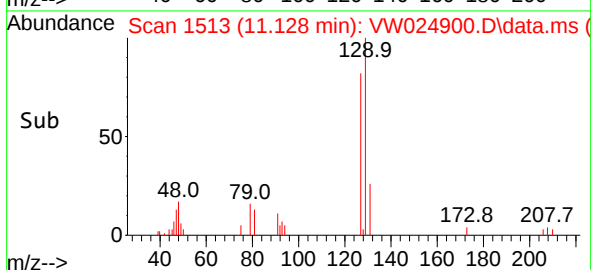
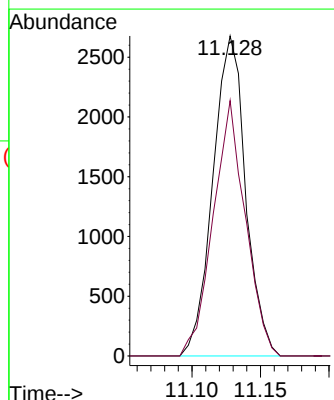
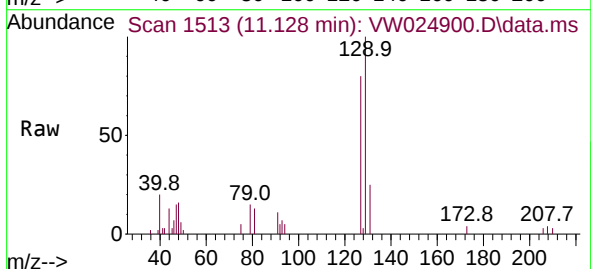
Instrument :
MSVOA_W
ClientSampleId :
MDL 1 PPB

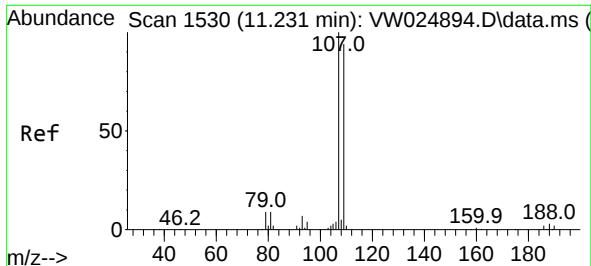
Tgt Ion:164 Resp: 4324
Ion Ratio Lower Upper
164 100
129 94.7 78.7 146.1
131 80.6 71.1 132.1
166 104.7 78.8 146.4



#49
Dibromochloromethane
Concen: 0.832 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VW024900.D
Acq: 13 Oct 2022 12:58

Tgt Ion:129 Resp: 4453
Ion Ratio Lower Upper
129 100
127 79.8 53.9 100.1

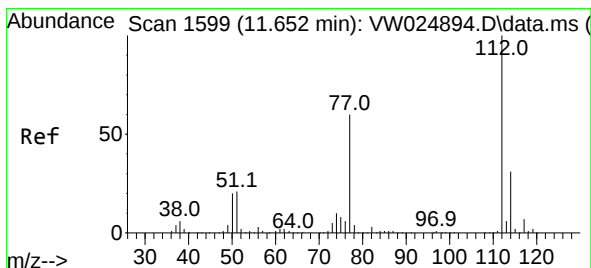
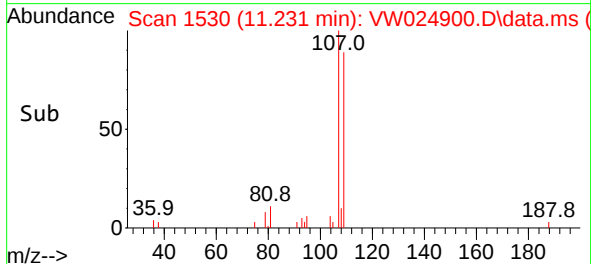
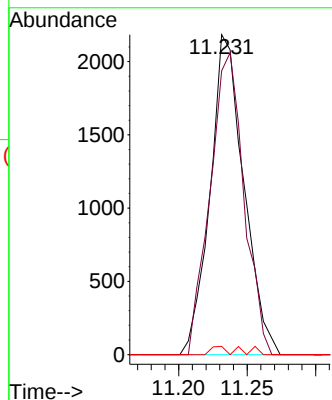
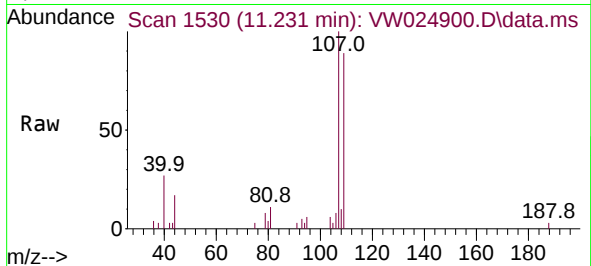




#50
1,2-Dibromoethane
Concen: 0.818 ug/L
RT: 11.231 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW024900.D
Acq: 13 Oct 2022 12:58

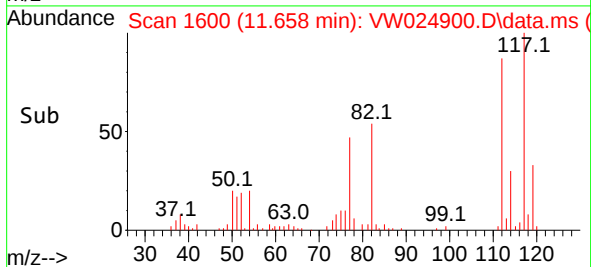
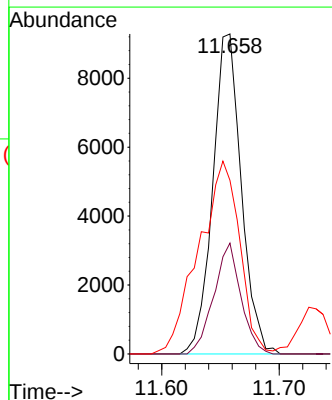
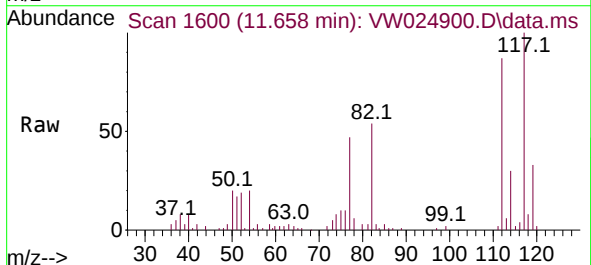
Instrument :
MSVOA_W
ClientSampleId :
MDL 1 PPB

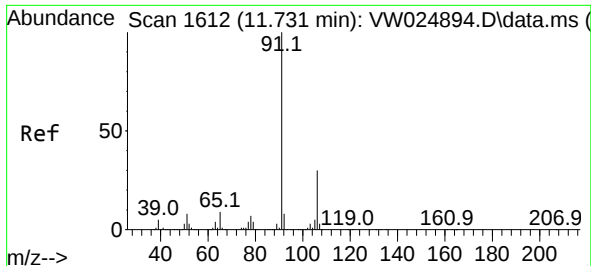
Tgt Ion:	107	Resp:	3727
Ion	Ratio	Lower	Upper
107	100		
109	88.7	62.8	116.6
188	2.6	2.2	3.2



#51
Chlorobenzene
Concen: 0.878 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. 0.006 min
Lab File: VW024900.D
Acq: 13 Oct 2022 12:58

Tgt Ion:	112	Resp:	15704
Ion	Ratio	Lower	Upper
112	100		
114	34.6	22.7	42.3
77	54.2	49.8	74.8





#52

Ethylbenzene

Concen: 0.854 ug/L

RT: 11.725 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW024900.D

Acq: 13 Oct 2022 12:58

Instrument :

MSVOA_W

ClientSampleId :

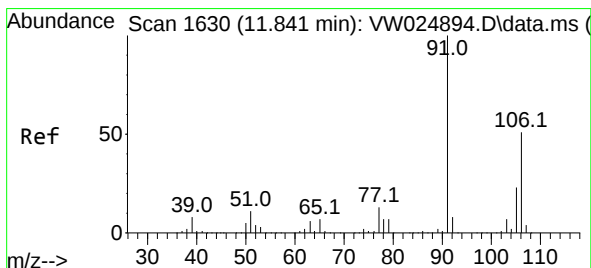
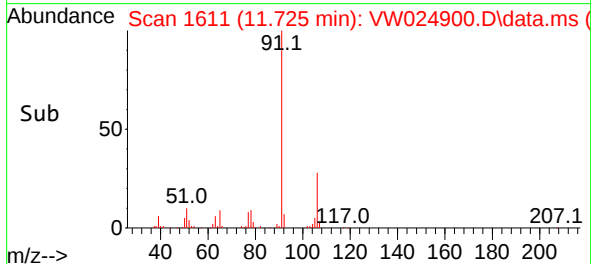
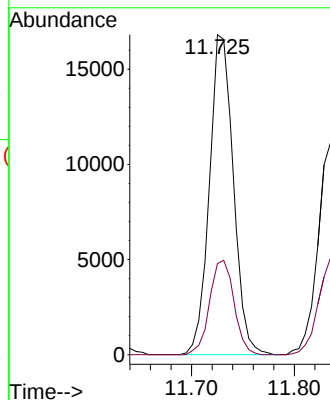
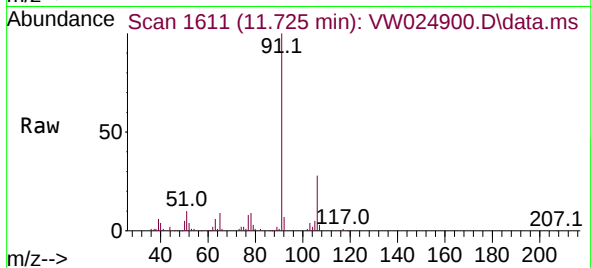
MDL 1 PPB

Tgt Ion: 91 Resp: 27216

Ion Ratio Lower Upper

91 100

106 28.5 20.1 37.3



#53

m,p-Xylene

Concen: 0.838 ug/L

RT: 11.841 min Scan# 1630

Delta R.T. 0.000 min

Lab File: VW024900.D

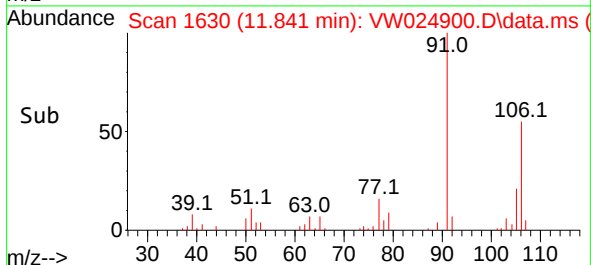
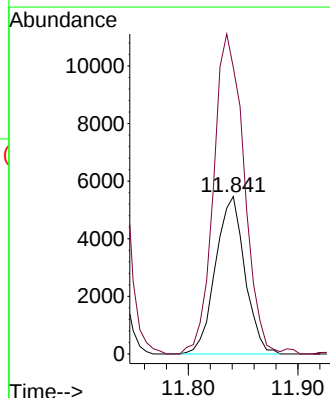
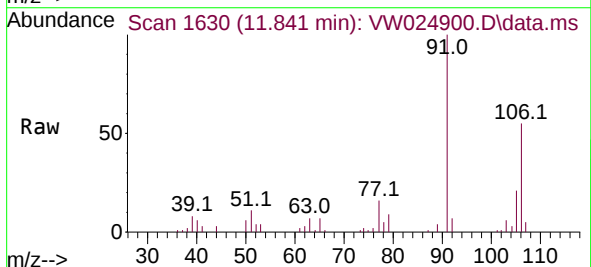
Acq: 13 Oct 2022 12:58

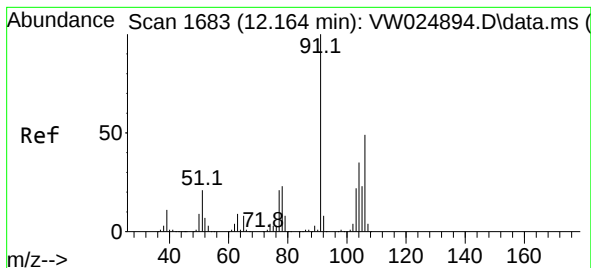
Tgt Ion:106 Resp: 10153

Ion Ratio Lower Upper

106 100

91 182.0 147.4 273.8





#54

o-Xylene

Concen: 0.860 ug/L

RT: 12.164 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW024900.D

Acq: 13 Oct 2022 12:58

Instrument :

MSVOA_W

ClientSampleId :

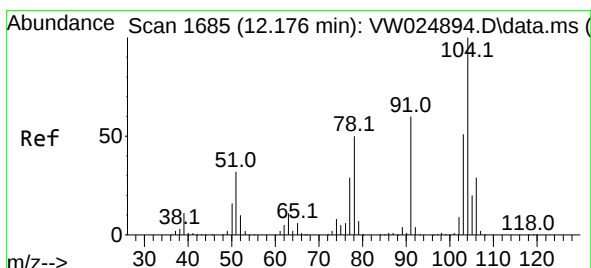
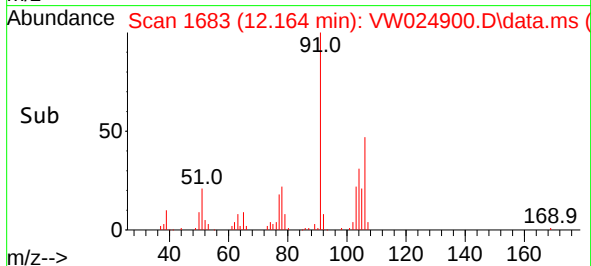
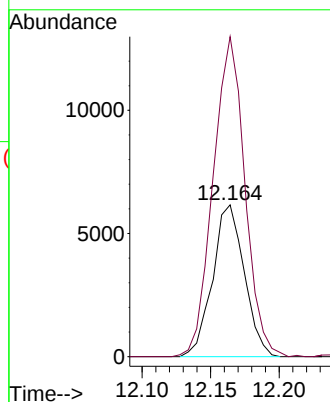
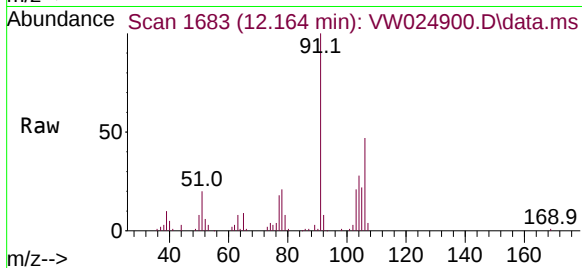
MDL 1 PPB

Tgt Ion:106 Resp: 9914

Ion Ratio Lower Upper

106 100

91 210.8 151.0 280.4



#55

Styrene

Concen: 0.828 ug/L

RT: 12.182 min Scan# 1686

Delta R.T. 0.006 min

Lab File: VW024900.D

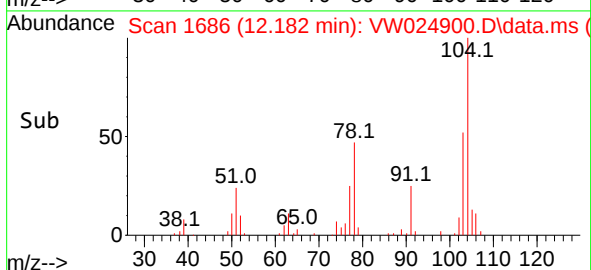
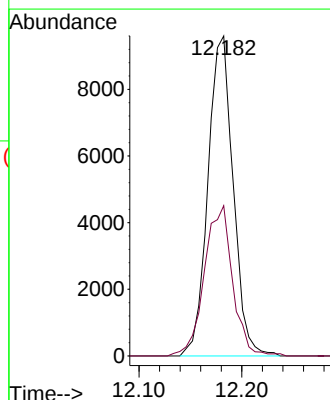
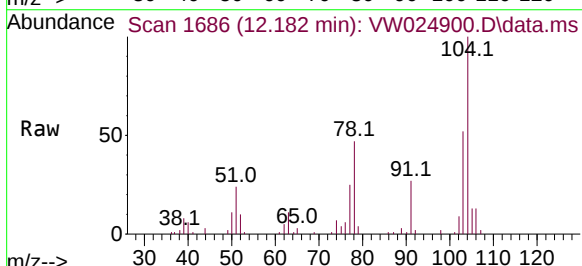
Acq: 13 Oct 2022 12:58

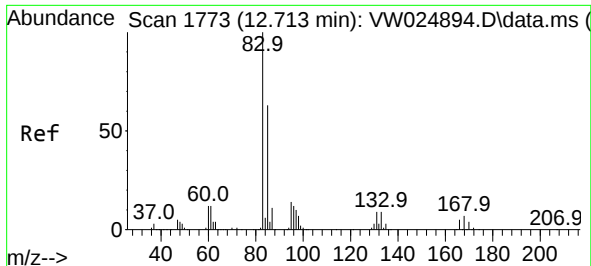
Tgt Ion:104 Resp: 16374

Ion Ratio Lower Upper

104 100

78 46.9 32.6 60.5





#57

1,1,2,2-Tetrachloroethane

Concen: 1.009 ug/L

RT: 12.713 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW024900.D

Acq: 13 Oct 2022 12:58

Instrument :

MSVOA_W

ClientSampleId :

MDL 1 PPB

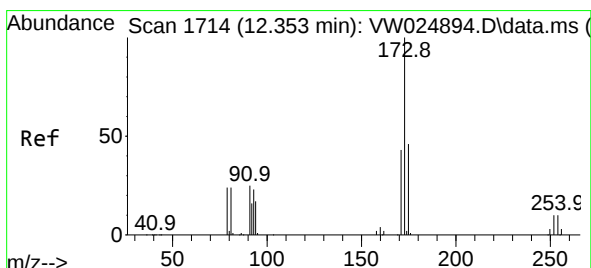
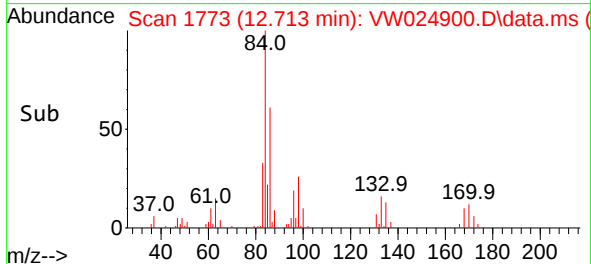
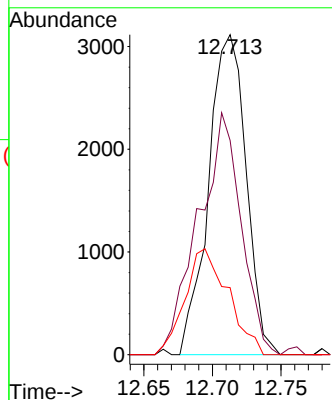
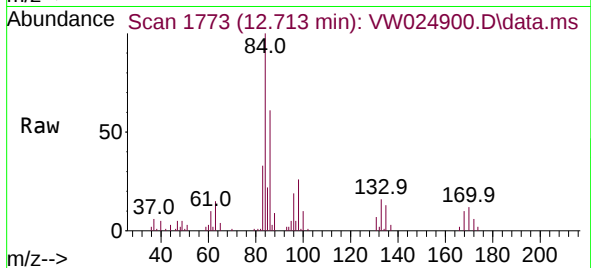
Tgt Ion: 83 Resp: 5949

Ion Ratio Lower Upper

83 100

85 67.0 44.5 82.7

131 21.0 6.8 10.2#



#59

Bromoform

Concen: 0.862 ug/L

RT: 12.353 min Scan# 1714

Delta R.T. 0.000 min

Lab File: VW024900.D

Acq: 13 Oct 2022 12:58

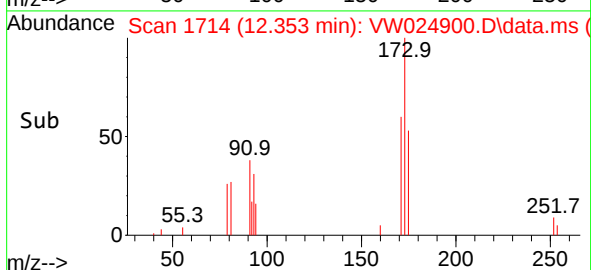
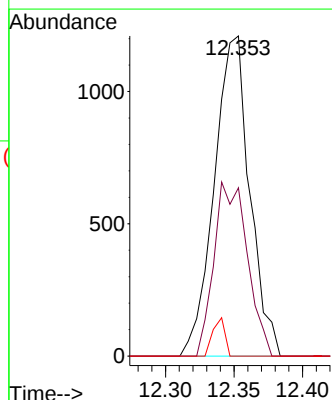
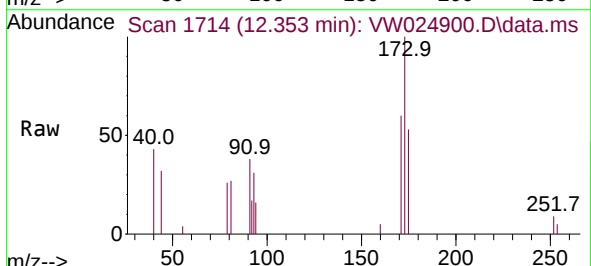
Tgt Ion:173 Resp: 2180

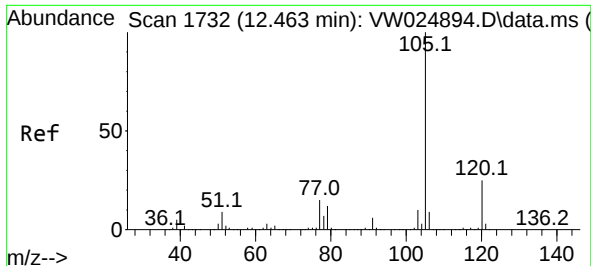
Ion Ratio Lower Upper

173 100

175 50.9 38.6 58.0

254 4.1 4.8 7.2#

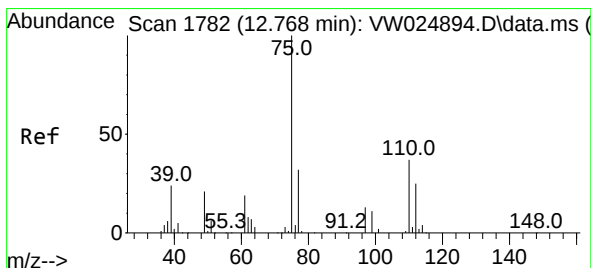
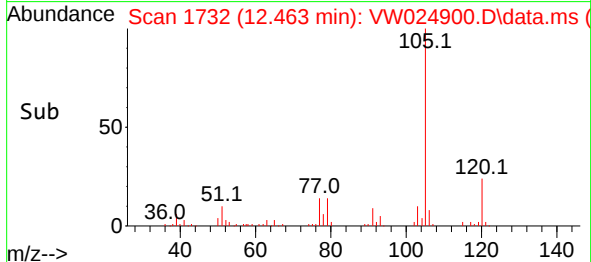
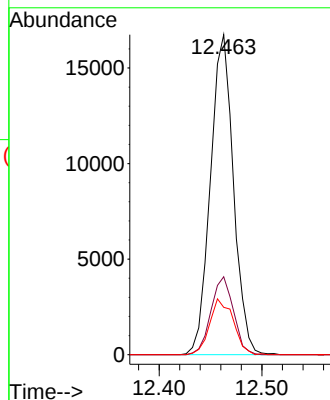
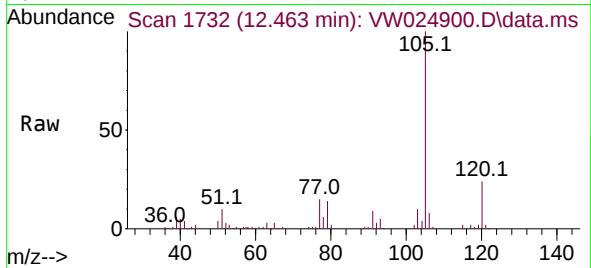




#60
Isopropylbenzene
Concen: 0.856 ug/L
RT: 12.463 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW024900.D
Acq: 13 Oct 2022 12:58

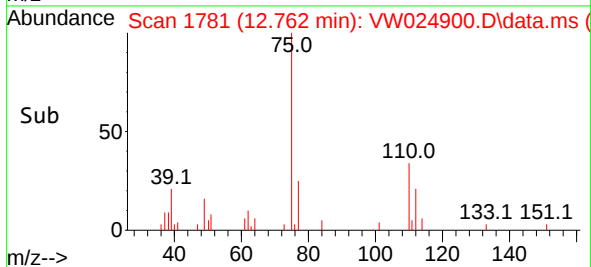
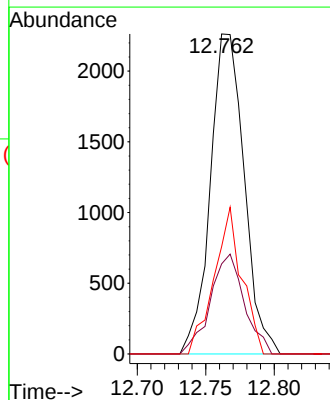
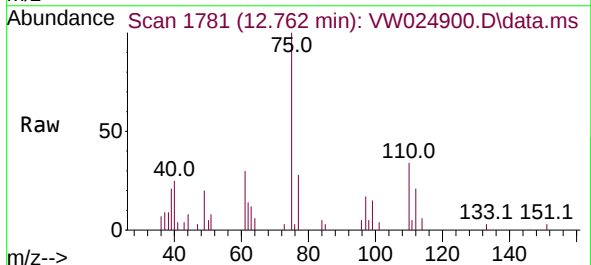
Instrument :
MSVOA_W
ClientSampleId :
MDL 1 PPB

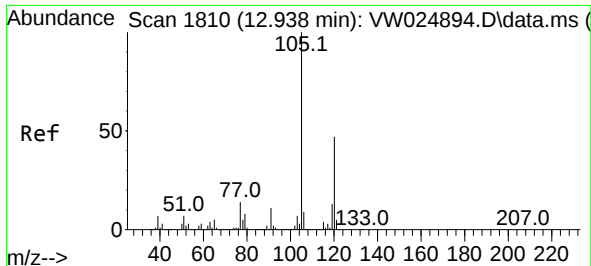
Tgt Ion:105 Resp: 26111
Ion Ratio Lower Upper
105 100
120 23.7 20.5 30.7
77 17.9 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 0.934 ug/L
RT: 12.762 min Scan# 1781
Delta R.T. -0.006 min
Lab File: VW024900.D
Acq: 13 Oct 2022 12:58

Tgt Ion: 75 Resp: 3884
Ion Ratio Lower Upper
75 100
77 31.4 26.4 39.6
110 37.7 30.8 46.2

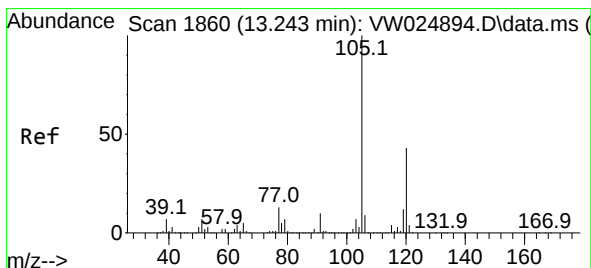
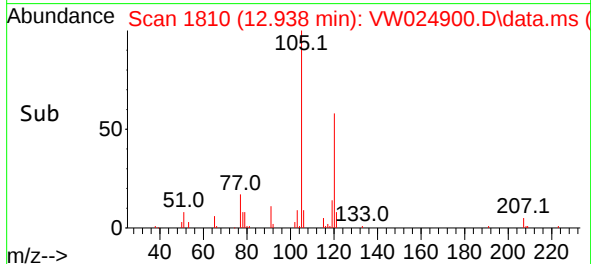
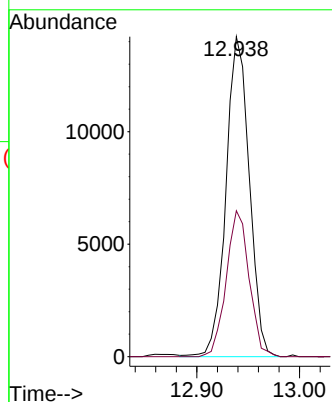
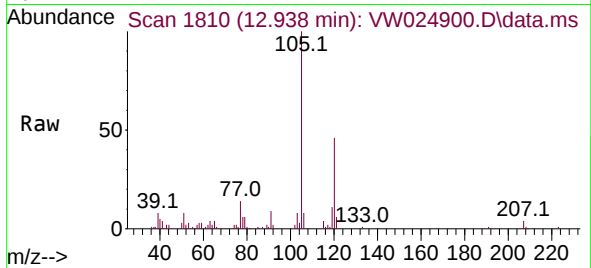




#62
1,3,5-Trimethylbenzene
Concen: 0.856 ug/L
RT: 12.938 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VW024900.D
Acq: 13 Oct 2022 12:58

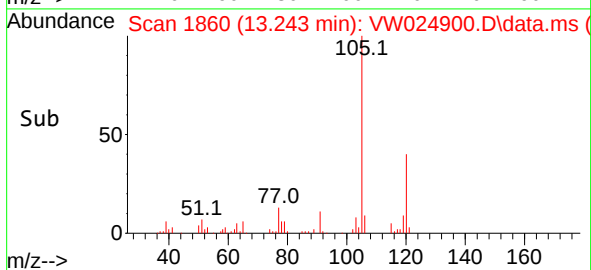
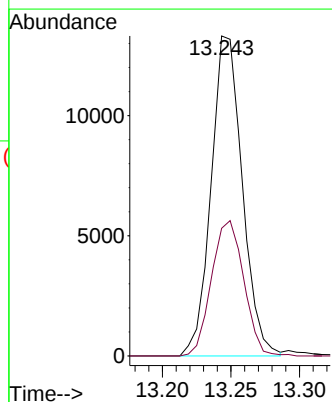
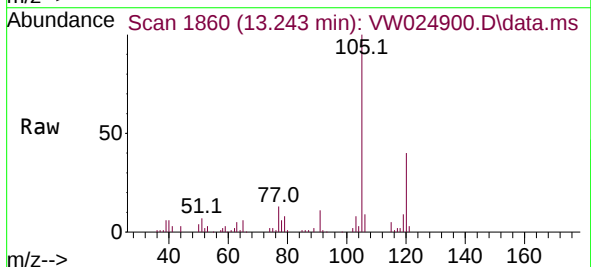
Instrument :
MSVOA_W
ClientSampleId :
MDL 1 PPB

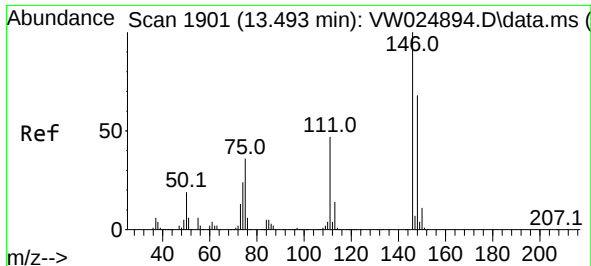
Tgt Ion:105 Resp: 22412
Ion Ratio Lower Upper
105 100
120 44.8 38.1 57.1



#63
1,2,4-Trimethylbenzene
Concen: 0.835 ug/L
RT: 13.243 min Scan# 1860
Delta R.T. 0.000 min
Lab File: VW024900.D
Acq: 13 Oct 2022 12:58

Tgt Ion:105 Resp: 21078
Ion Ratio Lower Upper
105 100
120 43.7 34.8 52.2

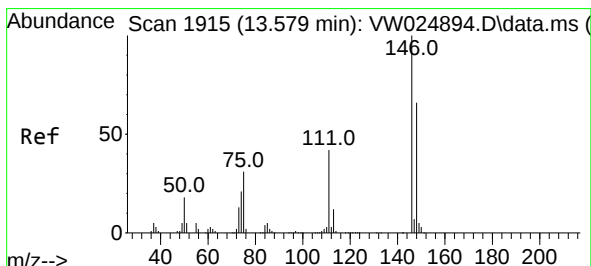
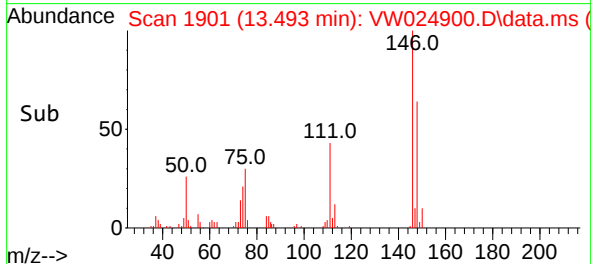
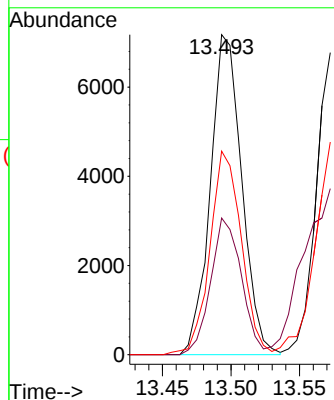
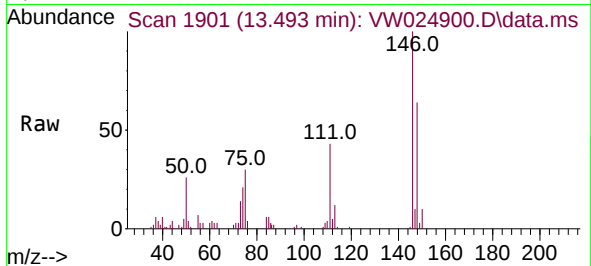




#64
1,3-Dichlorobenzene
Concen: 0.923 ug/L
RT: 13.493 min Scan# 1901
Delta R.T. 0.000 min
Lab File: VW024900.D
Acq: 13 Oct 2022 12:58

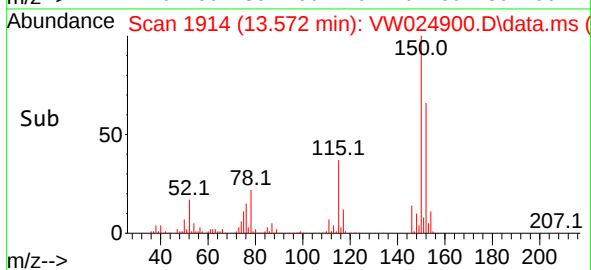
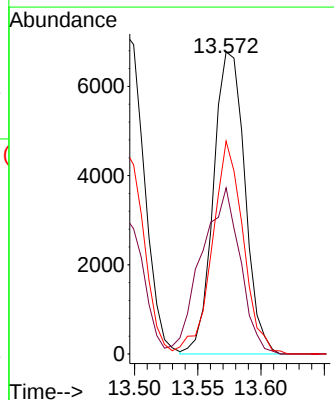
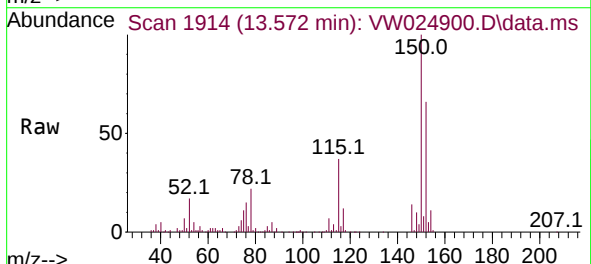
Instrument :
MSVOA_W
ClientSampleId :
MDL 1 PPB

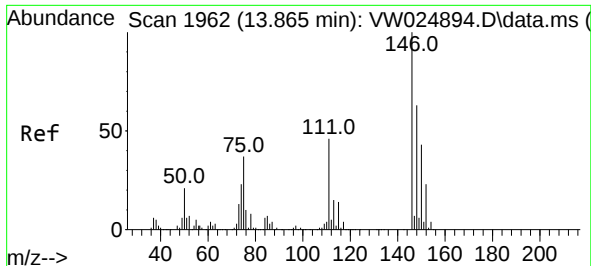
Tgt Ion:	146	Resp:	11465
Ion Ratio	Lower	Upper	
146	100		
111	42.7	31.7	58.9
148	63.6	45.5	84.5



#65
1,4-Dichlorobenzene
Concen: 0.931 ug/L
RT: 13.572 min Scan# 1914
Delta R.T. -0.006 min
Lab File: VW024900.D
Acq: 13 Oct 2022 12:58

Tgt Ion:	146	Resp:	11702
Ion Ratio	Lower	Upper	
146	100		
111	55.0	27.4	50.8#
148	70.4	42.8	79.6





#67

1,2-Dichlorobenzene

Concen: 0.980 ug/L

RT: 13.871 min Scan# 1962

Delta R.T. 0.006 min

Lab File: VW024900.D

Acq: 13 Oct 2022 12:58

Instrument :

MSVOA_W

ClientSampleId :

MDL 1 PPB

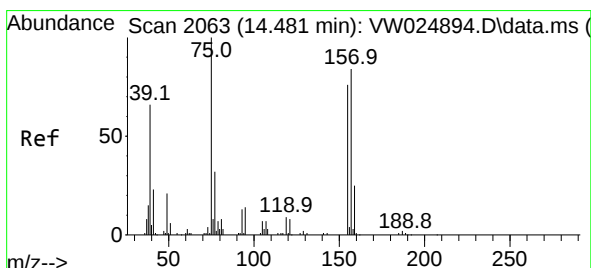
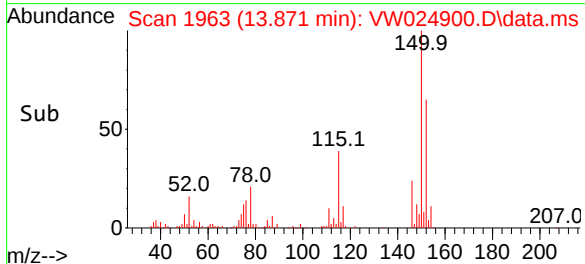
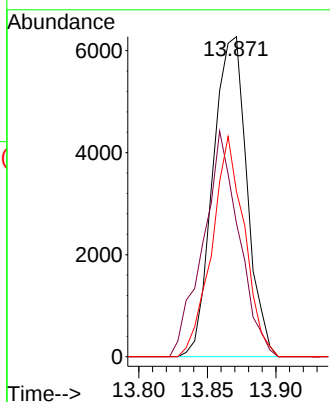
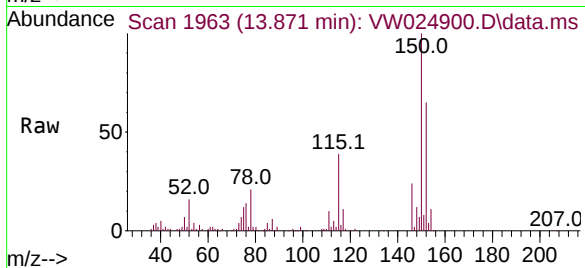
Tgt Ion:146 Resp: 10816

Ion Ratio Lower Upper

146 100

111 41.7 36.9 55.3

148 51.7 50.0 75.0



#68

1,2-Dibromo-3-chloropropane

Concen: 1.773 ug/L

RT: 14.615 min Scan# 2085

Delta R.T. 0.134 min

Lab File: VW024900.D

Acq: 13 Oct 2022 12:58

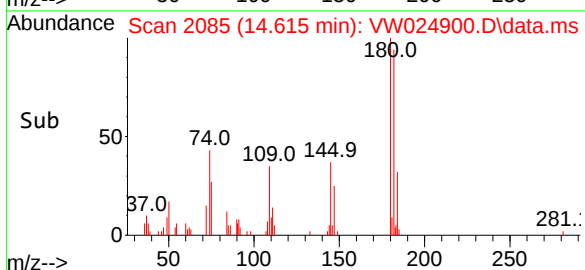
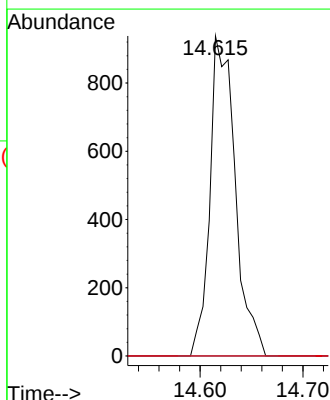
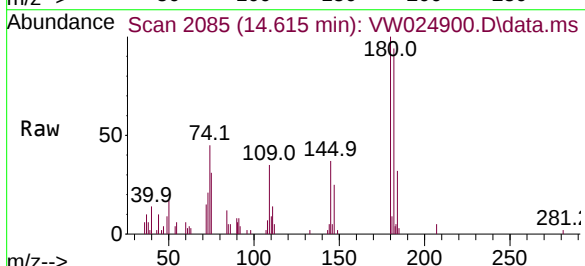
Tgt Ion: 75 Resp: 1602

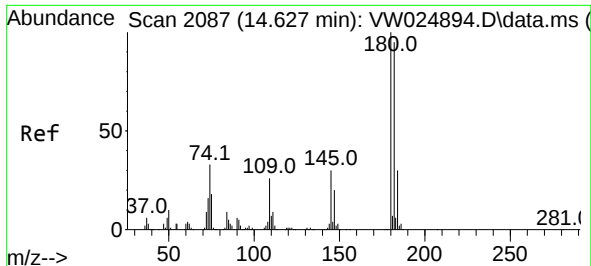
Ion Ratio Lower Upper

75 100

155 0.0 56.2 84.4#

157 0.0 74.6 111.8#





#69

1,3,5-Trichlorobenzene

Concen: 0.899 ug/L

RT: 14.627 min Scan# 2087

Delta R.T. 0.000 min

Lab File: VW024900.D

Acq: 13 Oct 2022 12:58

Instrument :

MSVOA_W

ClientSampleId :

MDL 1 PPB

Tgt Ion:180 Resp: 7293

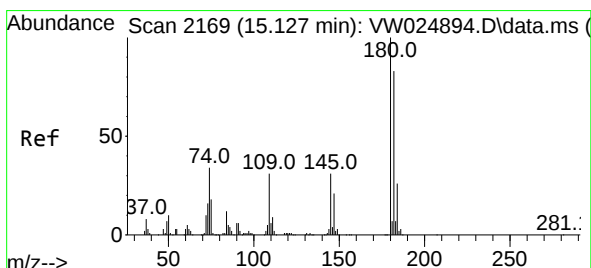
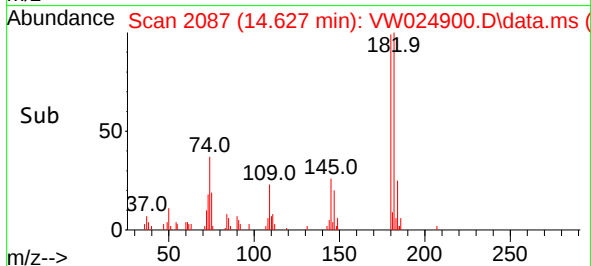
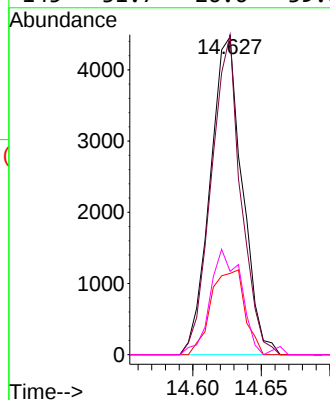
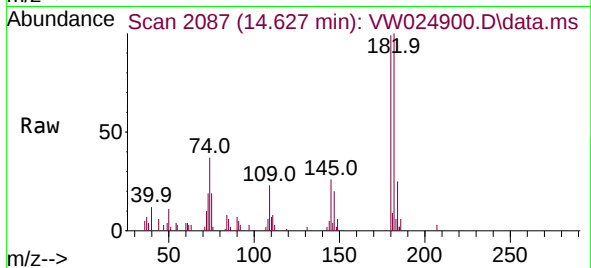
Ion Ratio Lower Upper

180 100

182 92.3 75.0 112.6

184 28.0 22.9 34.3

145 31.7 26.6 39.8



#70

1,2,4-trichlorobenzene

Concen: 0.827 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. 0.000 min

Lab File: VW024900.D

Acq: 13 Oct 2022 12:58

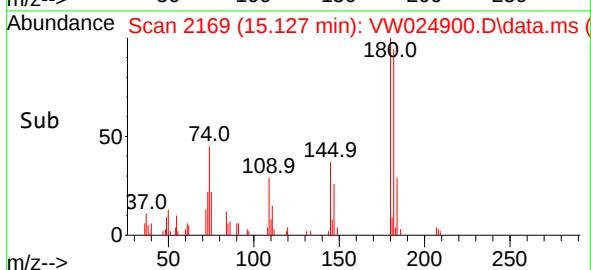
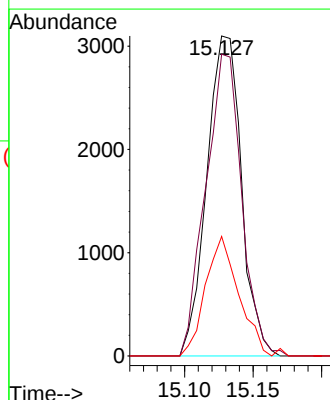
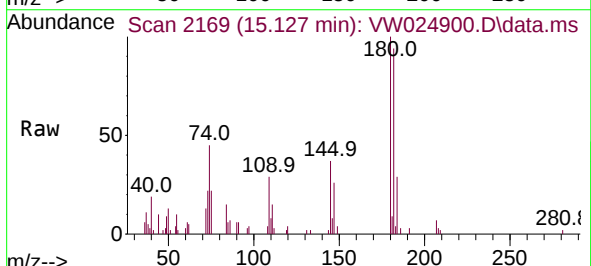
Tgt Ion:180 Resp: 5442

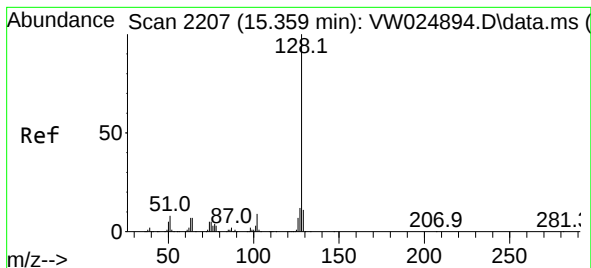
Ion Ratio Lower Upper

180 100

182 97.7 77.7 116.5

145 35.8 29.0 43.4





#71

Naphthalene

Concen: 0.722 ug/L

RT: 15.359 min Scan# 2207

Delta R.T. 0.000 min

Lab File: VW024900.D

Acq: 13 Oct 2022 12:58

Instrument :

MSVOA_W

ClientSampleId :

MDL 1 PPB

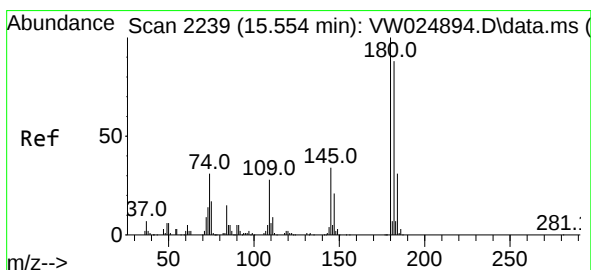
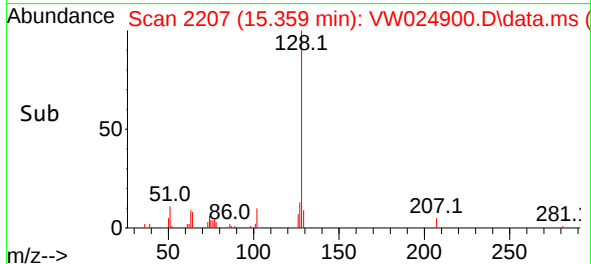
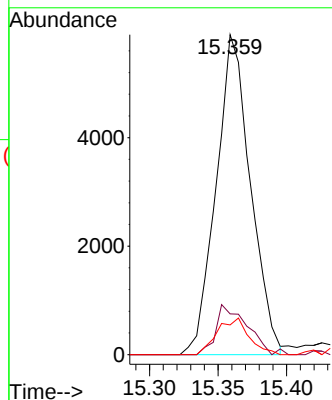
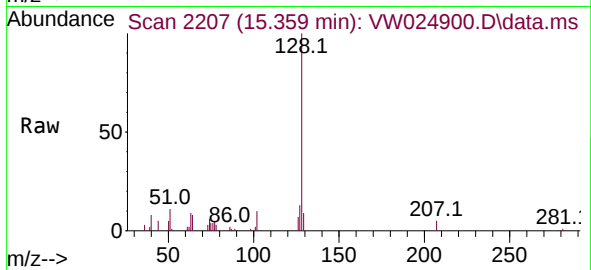
Tgt Ion:128 Resp: 10287

Ion Ratio Lower Upper

128 100

127 13.9 10.2 15.4

129 10.6 9.0 13.4



#72

1,2,3-Trichlorobenzene

Concen: 0.795 ug/L

RT: 15.548 min Scan# 2238

Delta R.T. -0.006 min

Lab File: VW024900.D

Acq: 13 Oct 2022 12:58

Tgt Ion:180 Resp: 4466

Ion Ratio Lower Upper

180 100

182 100.0 75.1 112.7

145 42.6 29.9 44.9

