

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101222\
 Data File : VW024863.D
 Acq On : 12 Oct 2022 10:27
 Operator : SY/VA
 Sample : VSTD2.555
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5455

Quant Time: Oct 12 22:47:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101222SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Oct 12 22:46:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	436335	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	401054	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	185468	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	14920	2.898	ug/L	0.00
7) Chloroethane-d5	2.885	69	8332	2.764	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.019	63	30799	2.752	ug/L	0.00
21) 2-Butanone-d5	7.080	46	8086	4.957	ug/L	0.00
24) Chloroform-d	7.653	84	34721	2.821	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.305	65	18842	2.925	ug/L	0.00
32) Benzene-d6	8.268	84	71531	2.844	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.268	67	21954	2.846	ug/L	0.00
41) Toluene-d8	10.323	98	63062	2.794	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.579	79	7098	2.426	ug/L	0.00
47) 2-Hexanone-d5	10.927	63	6192	4.788	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.688	84	17231	2.864	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.853	152	19801	2.921	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.007	85	2947	1.487	ug/L	95
3) Chloromethane	2.215	50	9556	2.102	ug/L	94
5) Vinyl chloride	2.361	62	13508	2.178	ug/L	97
6) Bromomethane	2.776	94	7132	2.367	ug/L	92
8) Chloroethane	2.916	64	5620	2.174	ug/L	89
9) Trichlorofluoromethane	3.257	101	7133	2.325	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.062	101	14924	2.389	ug/L #	39
12) 1,1-Dichloroethene	4.044	96	13211	2.235	ug/L	92
13) Acetone	4.214	43	165	0.147	ug/L	80
14) Carbon disulfide	4.385	76	42524	2.202	ug/L	99
15) Methyl Acetate	4.684	43	5971	2.171	ug/L #	82
16) Methylene chloride	4.922	84	27905	3.622	ug/L	92
17) trans-1,2-Dichloroethene	5.421	96	14334	2.228	ug/L	86
18) Methyl tert-butyl Ether	5.428	73	21713	2.271	ug/L #	79
19) 1,1-Dichloroethane	6.220	63	27552	2.314	ug/L	95
20) cis-1,2-Dichloroethene	7.165	96	9506	1.368	ug/L	82
22) 2-Butanone	7.177	43	9291	4.880	ug/L	85
23) Bromochloromethane	7.519	128	6500	2.285	ug/L	90
25) Chloroform	7.677	83	27279	2.335	ug/L	95
27) 1,2-Dichloroethane	8.403	62	17602	2.329	ug/L	98
29) Cyclohexane	7.958	56	24943	2.142	ug/L	99
30) 1,1,1-Trichloroethane	7.872	97	20739	2.249	ug/L	99
31) Carbon tetrachloride	8.067	117	17989	2.221	ug/L	95
33) Benzene	8.323	78	64220	2.354	ug/L	100
34) Trichloroethene	9.092	95	15783	2.297	ug/L	96
35) Methylcyclohexane	9.335	83	26848	2.171	ug/L	98
37) 1,2-Dichloropropane	9.366	63	15720	2.312	ug/L	100
38) Bromodichloromethane	9.640	83	18702	2.226	ug/L	95
39) cis-1,3-Dichloropropene	10.073	75	20056	2.041	ug/L	100
40) 4-Methyl-2-pentanone	10.213	43	18010	4.481	ug/L	98
42) Toluene	10.384	91	62997	2.252	ug/L	99
44) trans-1,3-Dichloropropene	10.610	75	15888	1.947	ug/L	96

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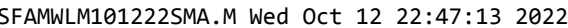
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5455

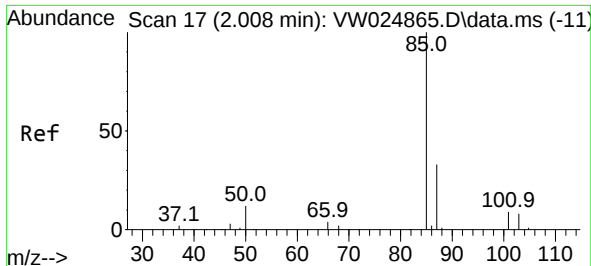
Quant Time: Oct 12 22:47:04 2022
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 Quant Title : SFAM01.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.786	97	11247	2.368	ug/L	98
46) Tetrachloroethene	10.860	164	10557	2.260	ug/L	97
48) 2-Hexanone	10.969	43	12679	4.653	ug/L	93
49) Dibromochloromethane	11.128	129	11432	2.174	ug/L	94
50) 1,2-Dibromoethane	11.231	107	9935	2.220	ug/L #	96
51) Chlorobenzene	11.652	112	41850	2.380	ug/L	97
52) Ethylbenzene	11.725	91	70369	2.246	ug/L	98
53) m,p-Xylene	11.841	106	26822	2.254	ug/L	83
54) o-Xylene	12.164	106	25014	2.207	ug/L	98
55) Styrene	12.176	104	41553	2.138	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.713	83	13142	2.268	ug/L	90
59) Bromoform	12.341	173	5263	2.121	ug/L	92
60) Isopropylbenzene	12.463	105	68920	2.304	ug/L	99
61) 1,2,3-Trichloropropane	12.768	75	9682	2.374	ug/L	99
62) 1,3,5-Trimethylbenzene	12.938	105	56906	2.215	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	54210	2.189	ug/L	96
64) 1,3-Dichlorobenzene	13.499	146	29308	2.405	ug/L	96
65) 1,4-Dichlorobenzene	13.572	146	29876	2.422	ug/L	94
67) 1,2-Dichlorobenzene	13.865	146	26318	2.430	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.487	75	2057	2.330	ug/L	91
69) 1,3,5-Trichlorobenzene	14.621	180	18948	2.382	ug/L	96
70) 1,2,4-trichlorobenzene	15.127	180	14808	2.294	ug/L	99
71) Naphthalene	15.359	128	28842	2.062	ug/L	99
72) 1,2,3-Trichlorobenzene	15.548	180	12175	2.210	ug/L	97

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

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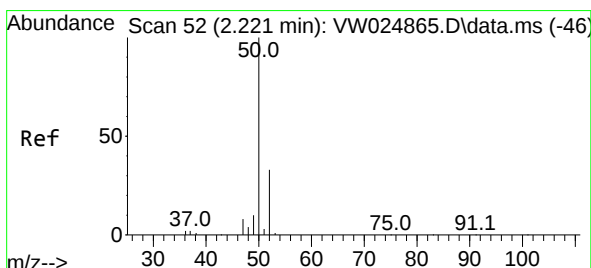
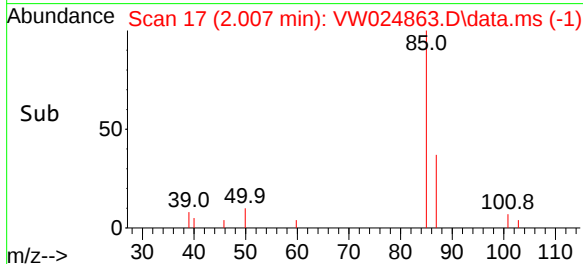
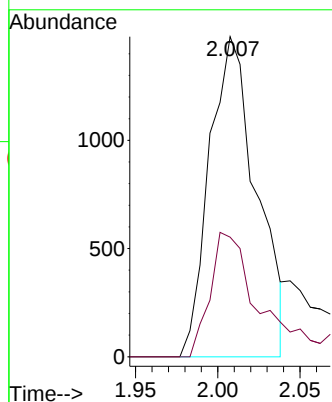
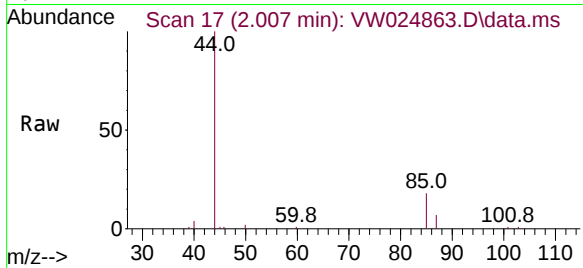




#2
 Dichlorodifluoromethane
 Concen: 1.487 ug/L
 RT: 2.007 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VW024863.D
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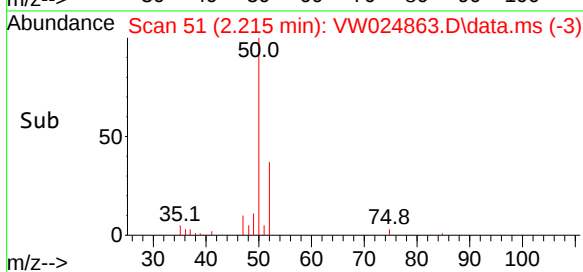
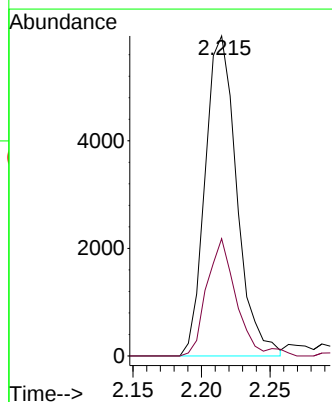
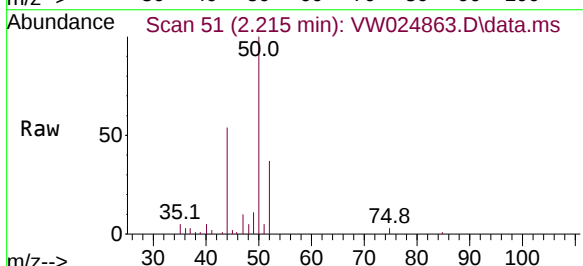
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5455

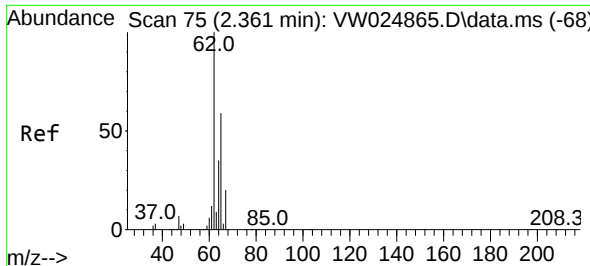
Tgt Ion: 85 Resp: 2947
 Ion Ratio Lower Upper
 85 100
 87 30.9 26.8 40.2



#3
 Chloromethane
 Concen: 2.102 ug/L
 RT: 2.215 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VW024863.D
 Acq: 12 Oct 2022 10:27

Tgt Ion: 50 Resp: 9556
 Ion Ratio Lower Upper
 50 100
 52 36.6 23.1 42.9

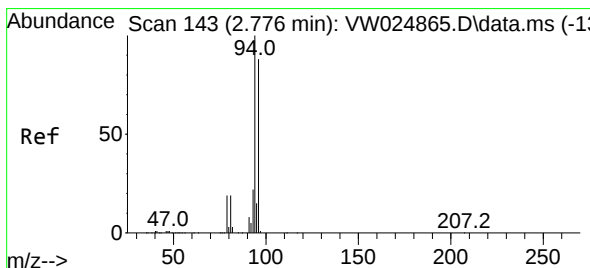
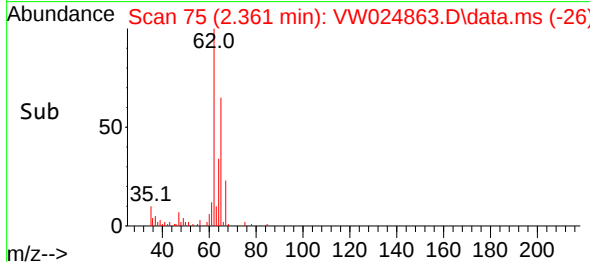
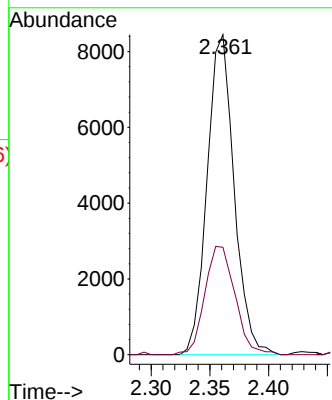
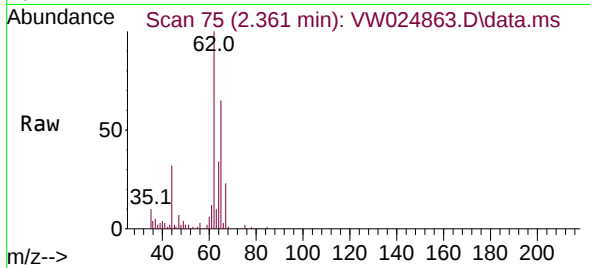




#5
 Vinyl chloride
 Concen: 2.178 ug/L
 RT: 2.361 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VW024863.D
 Acq: 12 Oct 2022 10:27

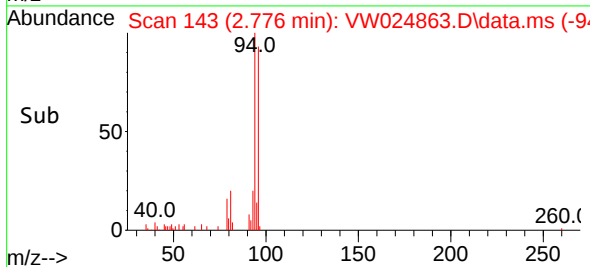
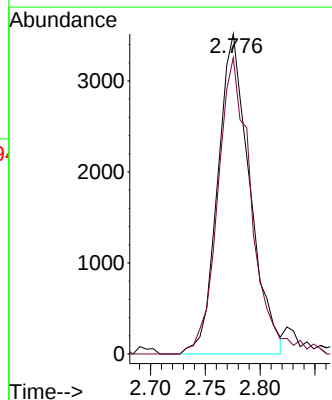
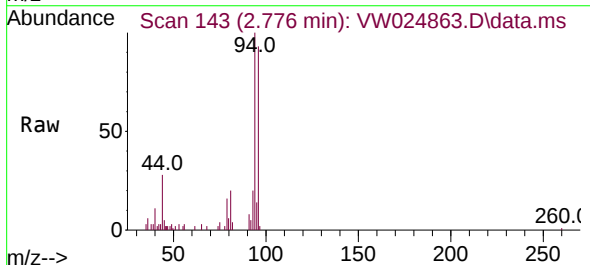
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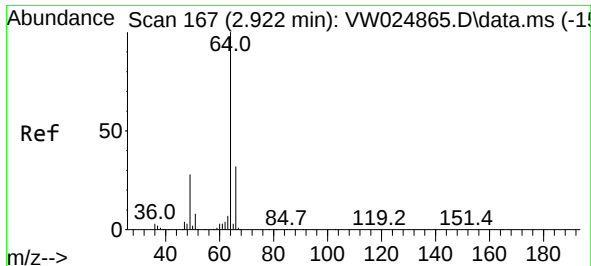
Tgt Ion: 62 Resp: 13508
 Ion Ratio Lower Upper
 62 100
 64 33.6 24.7 45.9



#6
 Bromomethane
 Concen: 2.367 ug/L
 RT: 2.776 min Scan# 143
 Delta R.T. -0.000 min
 Lab File: VW024863.D
 Acq: 12 Oct 2022 10:27

Tgt Ion: 94 Resp: 7132
 Ion Ratio Lower Upper
 94 100
 96 94.7 61.4 114.0

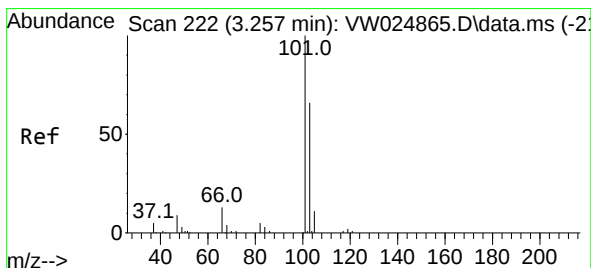
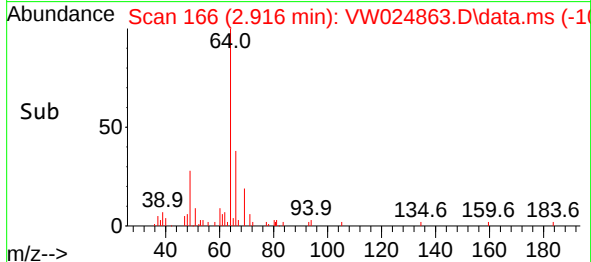
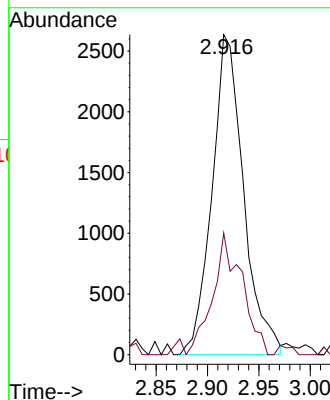
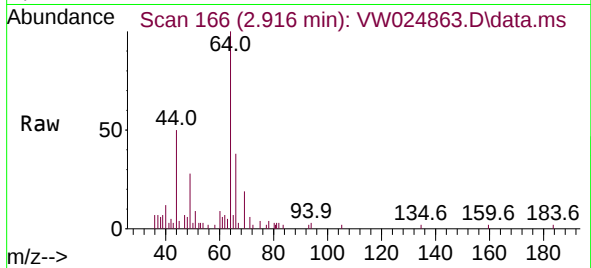




#8
Chloroethane
Concen: 2.174 ug/L
RT: 2.916 min Scan# 166
Delta R.T. -0.006 min
Lab File: VW024863.D
Acq: 12 Oct 2022 10:27

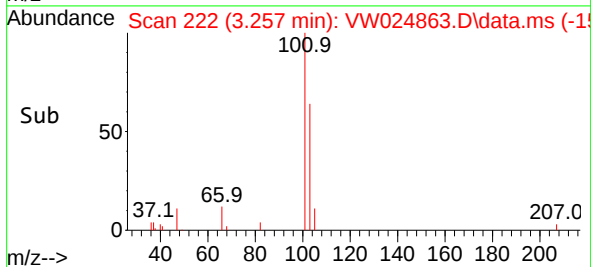
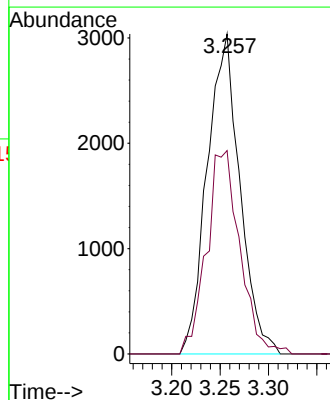
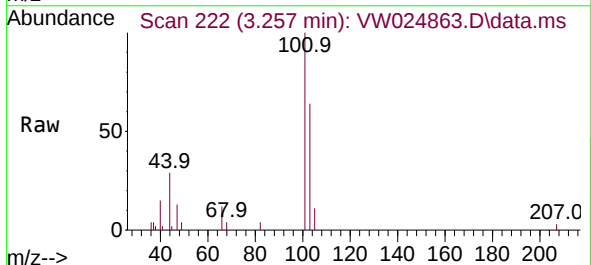
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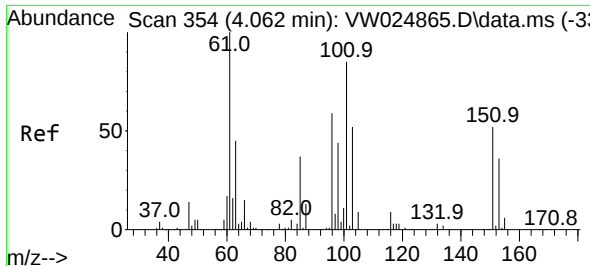
Tgt Ion: 64 Resp: 5620
Ion Ratio Lower Upper
64 100
66 38.0 22.3 41.5



#9
Trichlorofluoromethane
Concen: 2.325 ug/L
RT: 3.257 min Scan# 222
Delta R.T. -0.000 min
Lab File: VW024863.D
Acq: 12 Oct 2022 10:27

Tgt Ion:101 Resp: 7133
Ion Ratio Lower Upper
101 100
103 64.9 52.9 79.3

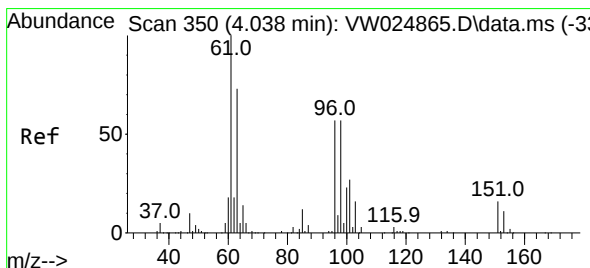
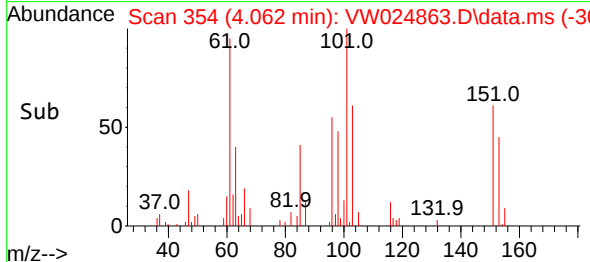
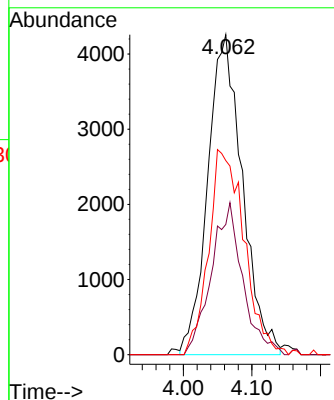
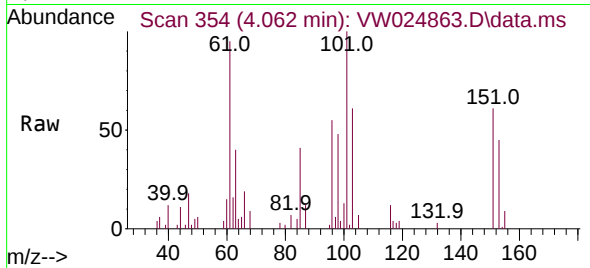




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.389 ug/L
 RT: 4.062 min Scan# 310
 Delta R.T. -0.000 min
 Lab File: VW024863.D
 Acq: 12 Oct 2022 10:27

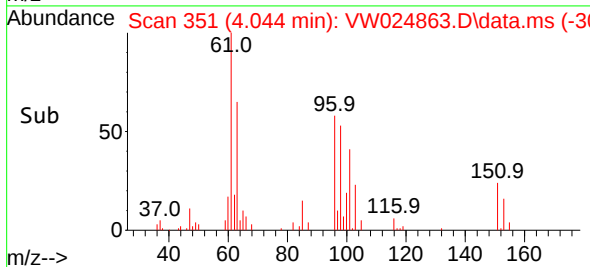
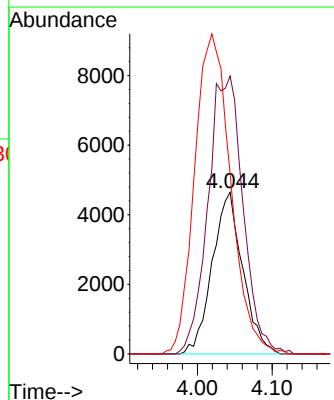
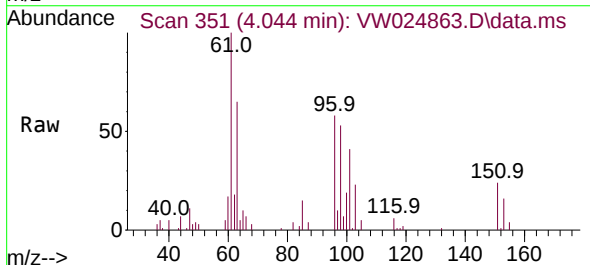
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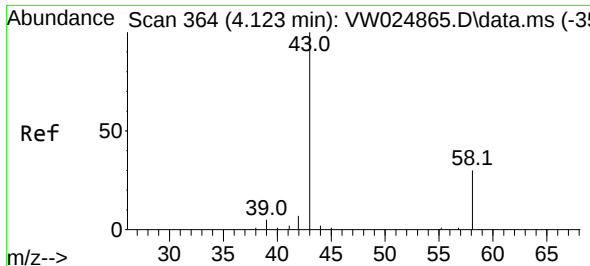
Tgt Ion:101 Resp: 14924
 Ion Ratio Lower Upper
 101 100
 85 25.0 33.6 50.4#
 151 0.0 52.0 78.0#



#12
 1,1-Dichloroethene
 Concen: 2.235 ug/L
 RT: 4.044 min Scan# 351
 Delta R.T. 0.006 min
 Lab File: VW024863.D
 Acq: 12 Oct 2022 10:27

Tgt Ion: 96 Resp: 13211
 Ion Ratio Lower Upper
 96 100
 61 172.0 122.4 227.2
 63 111.7 92.1 171.1





#13

Acetone

Concen: 0.147 ug/L

RT: 4.214 min Scan# 3

Delta R.T. 0.091 min

Lab File: VW024863.D

Acq: 12 Oct 2022 10:27

Instrument :

MSVOA_W

ClientSampleId :

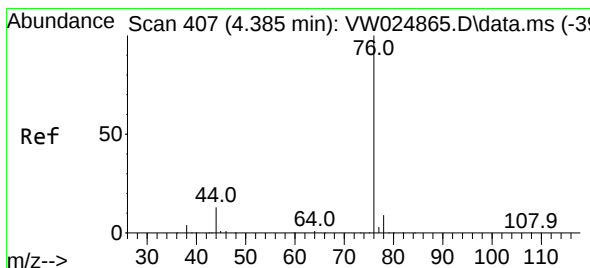
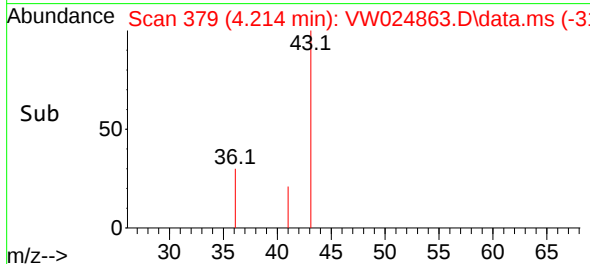
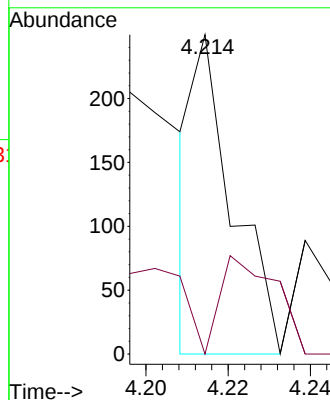
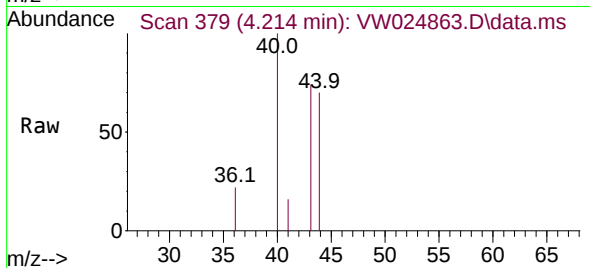
VSTD2.5455

Tgt Ion: 43 Resp: 165

Ion Ratio Lower Upper

43 100

58 43.0 0.0 64.2



#14

Carbon disulfide

Concen: 2.202 ug/L

RT: 4.385 min Scan# 407

Delta R.T. -0.000 min

Lab File: VW024863.D

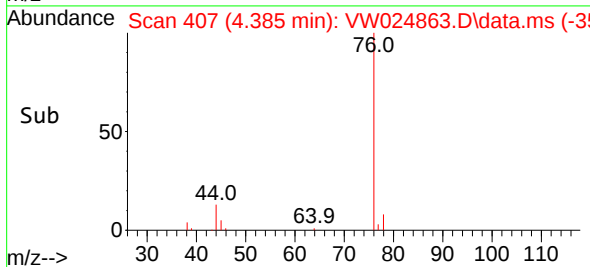
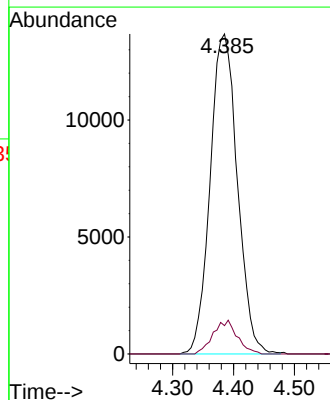
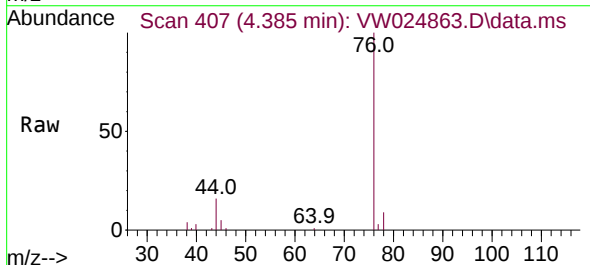
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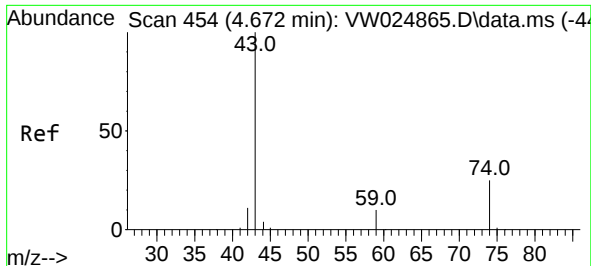
Tgt Ion: 76 Resp: 42524

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9

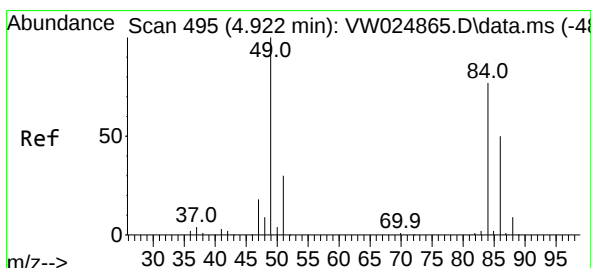
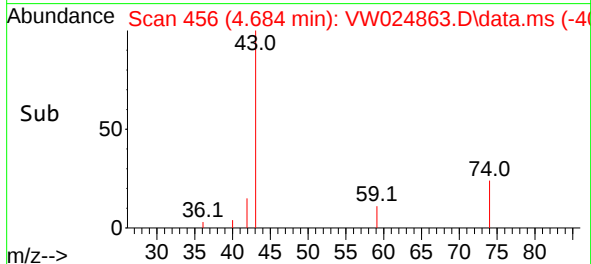
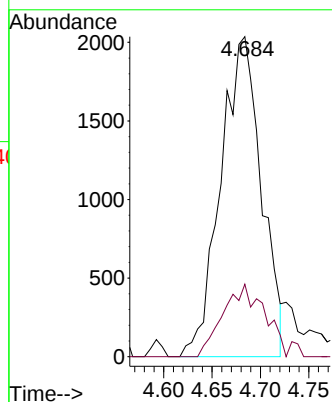
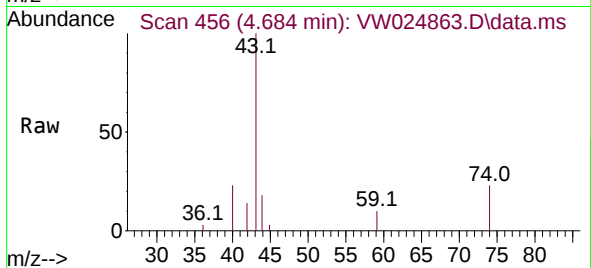




#15
Methyl Acetate
Concen: 2.171 ug/L
RT: 4.684 min Scan# 456
Delta R.T. 0.012 min
Lab File: VW024863.D
Acq: 12 Oct 2022 10:27

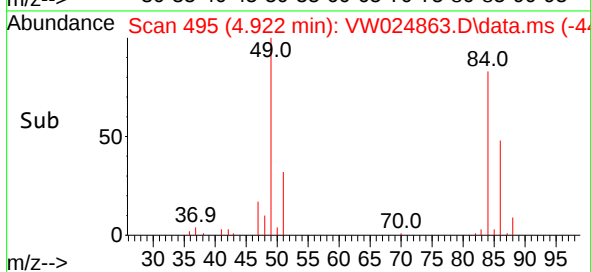
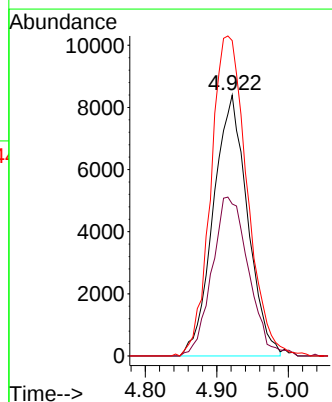
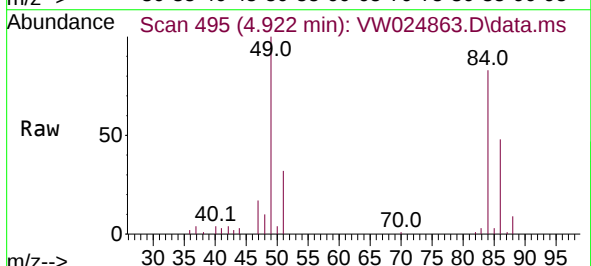
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5455

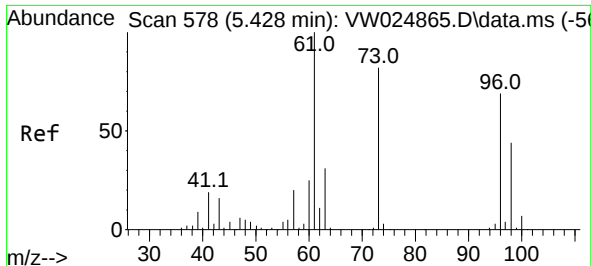
Tgt Ion: 43 Resp: 5971
Ion Ratio Lower Upper
43 100
74 15.2 19.0 28.6#



#16
Methylene chloride
Concen: 3.622 ug/L
RT: 4.922 min Scan# 495
Delta R.T. -0.000 min
Lab File: VW024863.D
Acq: 12 Oct 2022 10:27

Tgt Ion: 84 Resp: 27905
Ion Ratio Lower Upper
84 100
86 58.3 45.5 84.5
49 120.9 90.9 168.9

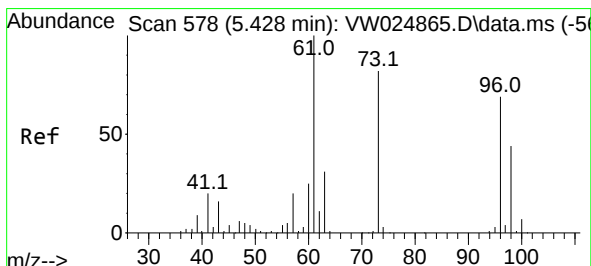
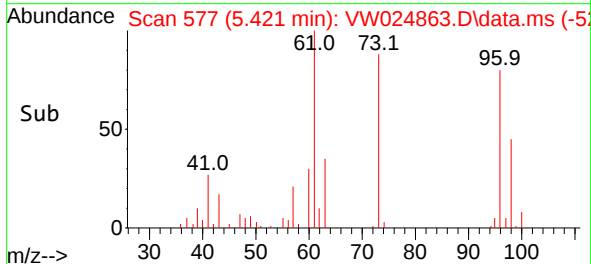
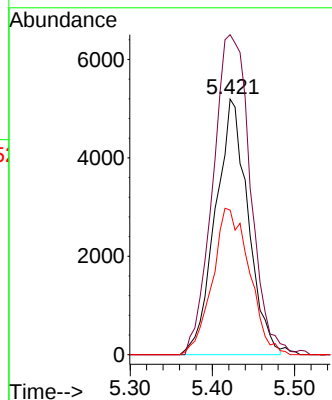
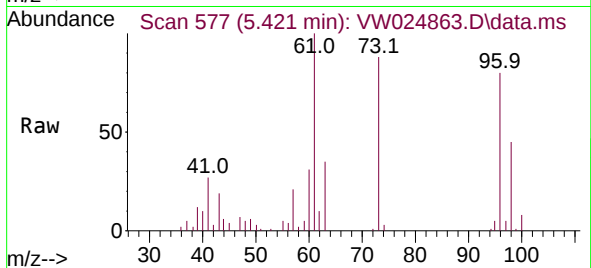




#17
trans-1,2-Dichloroethene
Concen: 2.228 ug/L
RT: 5.421 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW024863.D
Acq: 12 Oct 2022 10:27

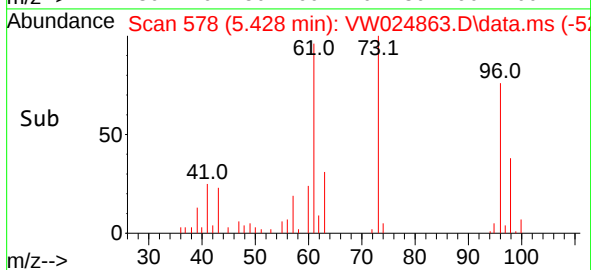
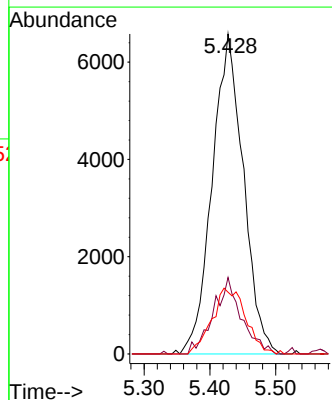
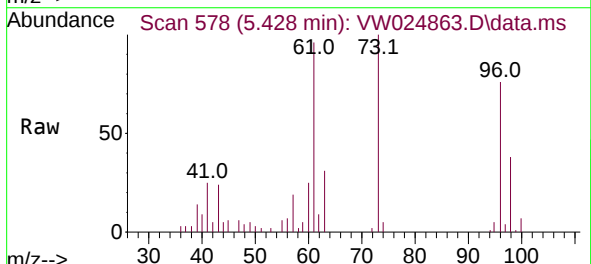
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5455

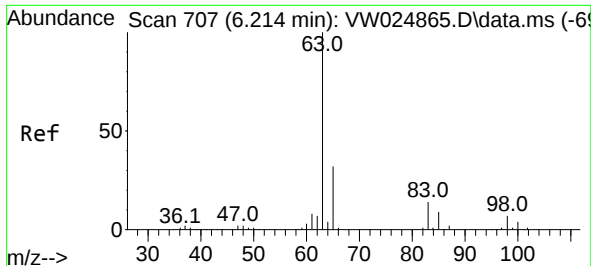
Tgt Ion: 96 Resp: 14334
Ion Ratio Lower Upper
96 100
61 125.2 102.2 189.8
98 56.6 44.6 82.8



#18
Methyl tert-butyl Ether
Concen: 2.271 ug/L
RT: 5.428 min Scan# 578
Delta R.T. -0.000 min
Lab File: VW024863.D
Acq: 12 Oct 2022 10:27

Tgt Ion: 73 Resp: 21713
Ion Ratio Lower Upper
73 100
43 9.4 15.8 23.6#
57 13.6 18.2 27.4#





#19

1,1-Dichloroethane

Concen: 2.314 ug/L

RT: 6.220 min Scan# 707

Delta R.T. 0.006 min

Lab File: VW024863.D

Acq: 12 Oct 2022 10:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5455

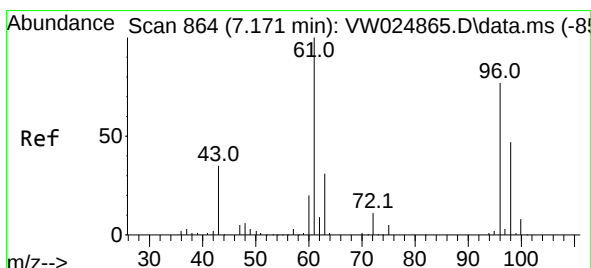
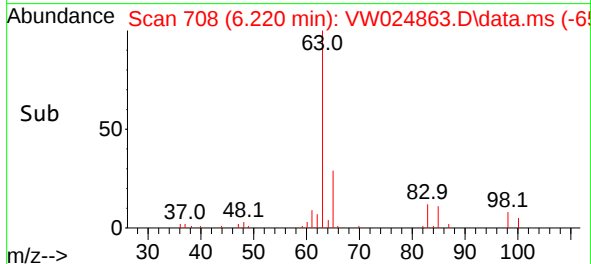
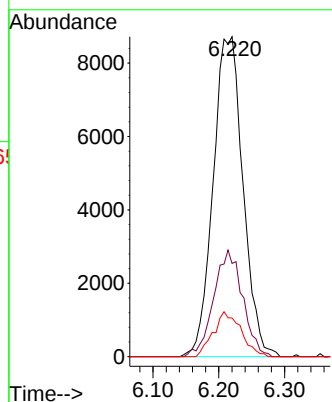
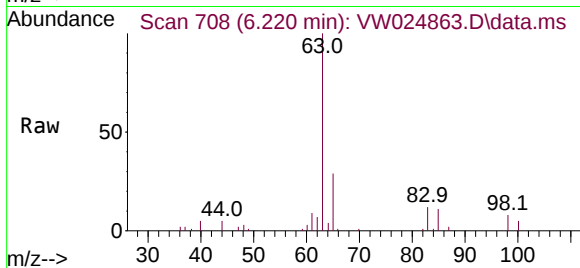
Tgt Ion: 63 Resp: 27552

Ion Ratio Lower Upper

63 100

65 29.1 22.4 41.6

83 12.1 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 1.368 ug/L

RT: 7.165 min Scan# 863

Delta R.T. -0.006 min

Lab File: VW024863.D

Acq: 12 Oct 2022 10:27

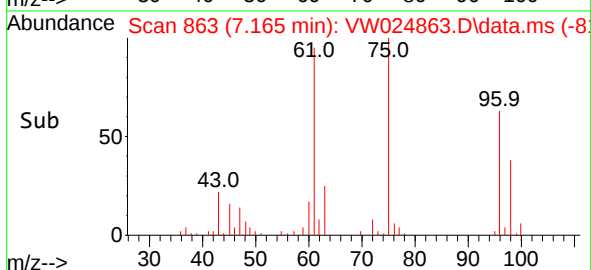
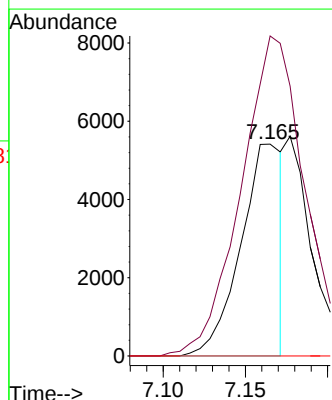
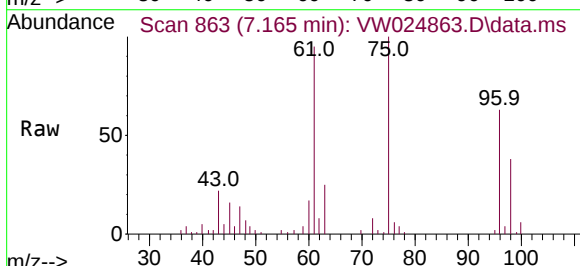
Tgt Ion: 96 Resp: 9506

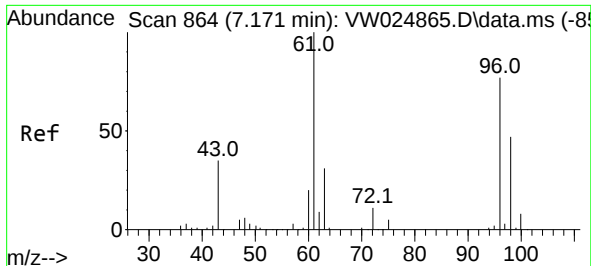
Ion Ratio Lower Upper

96 100

61 151.1 90.9 168.7

68 0.0 0.0 0.0

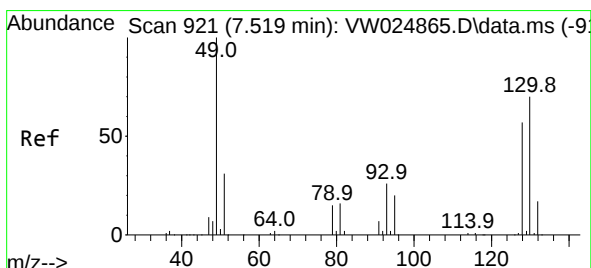
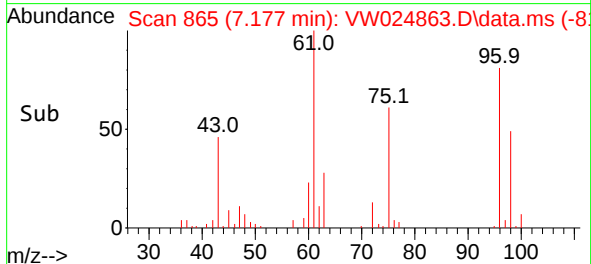
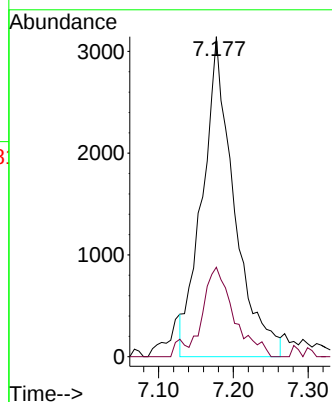
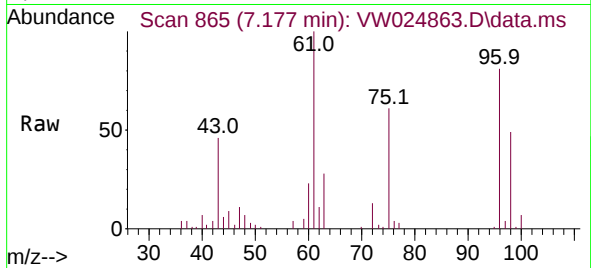




#22
2-Butanone
Concen: 4.880 ug/L
RT: 7.177 min Scan# 865
Delta R.T. 0.006 min
Lab File: VW024863.D
Acq: 12 Oct 2022 10:27

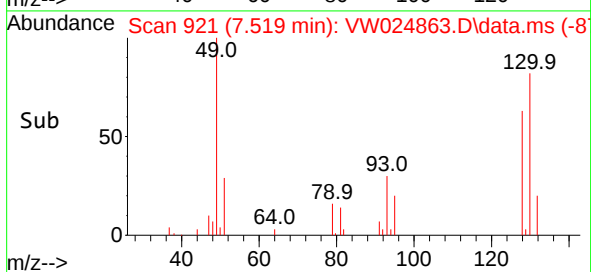
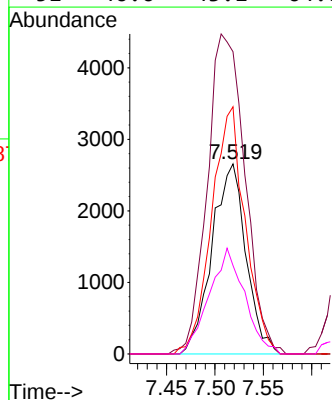
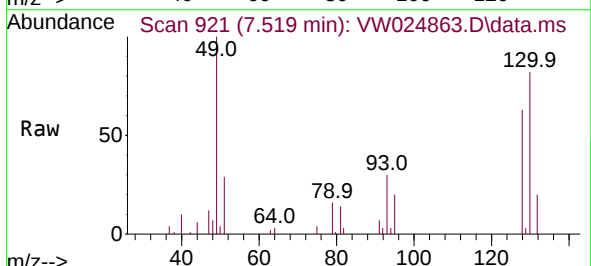
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5455

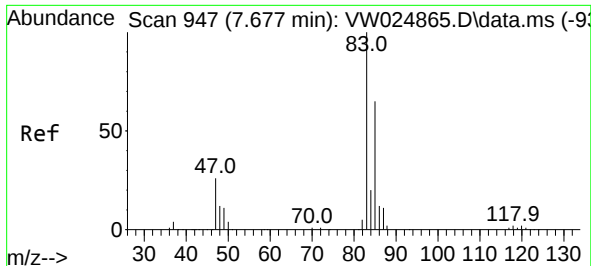
Tgt Ion: 43 Resp: 9291
Ion Ratio Lower Upper
43 100
72 20.4 14.1 42.3



#23
Bromochloromethane
Concen: 2.285 ug/L
RT: 7.519 min Scan# 921
Delta R.T. -0.000 min
Lab File: VW024863.D
Acq: 12 Oct 2022 10:27

Tgt Ion: 128 Resp: 6500
Ion Ratio Lower Upper
128 100
49 159.0 122.7 227.9
130 130.1 86.0 159.8
51 46.6 43.1 64.7

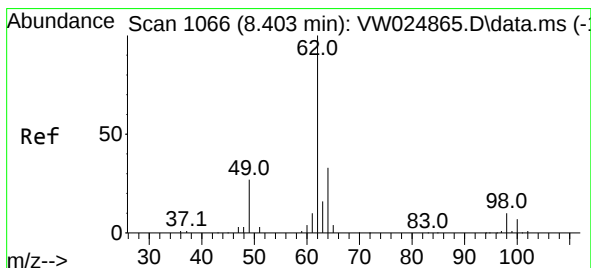
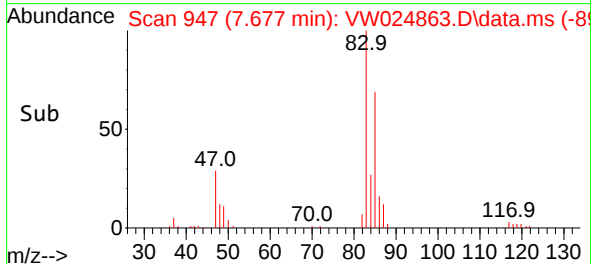
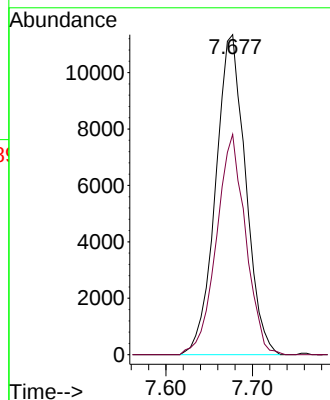
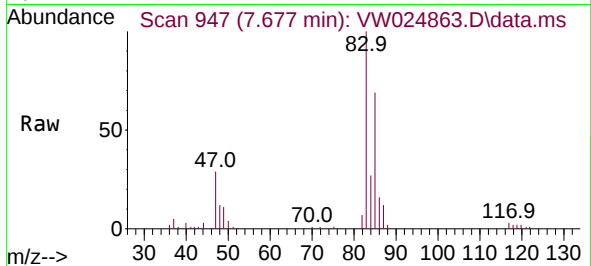




#25
Chloroform
Concen: 2.335 ug/L
RT: 7.677 min Scan# 947
Delta R.T. -0.000 min
Lab File: VW024863.D
Acq: 12 Oct 2022 10:27

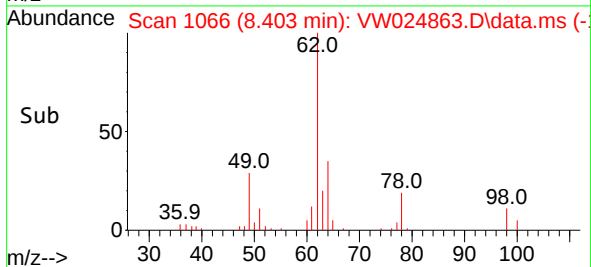
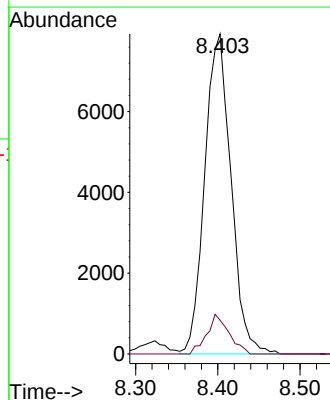
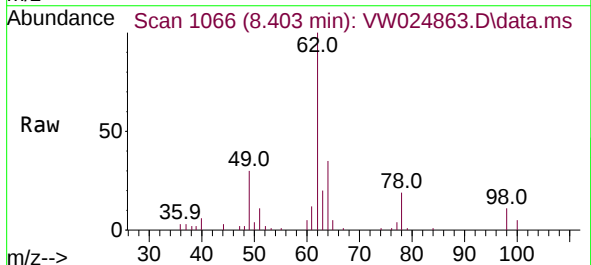
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5455

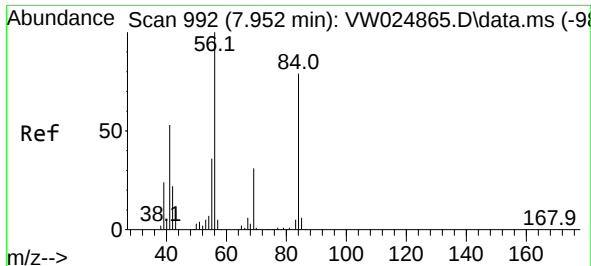
Tgt Ion: 83 Resp: 27279
Ion Ratio Lower Upper
83 100
85 68.8 45.3 84.1



#27
1,2-Dichloroethane
Concen: 2.329 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VW024863.D
Acq: 12 Oct 2022 10:27

Tgt Ion: 62 Resp: 17602
Ion Ratio Lower Upper
62 100
98 10.6 7.8 11.6





#29

Cyclohexane

Concen: 2.142 ug/L

RT: 7.958 min Scan# 992

Delta R.T. 0.006 min

Lab File: VW024863.D

Acq: 12 Oct 2022 10:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5455

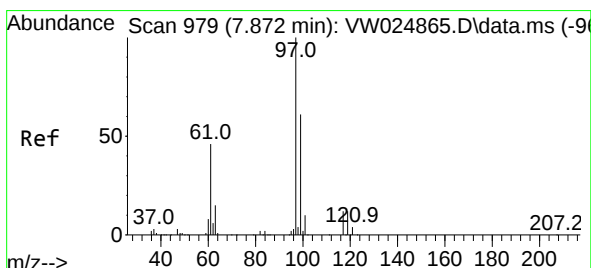
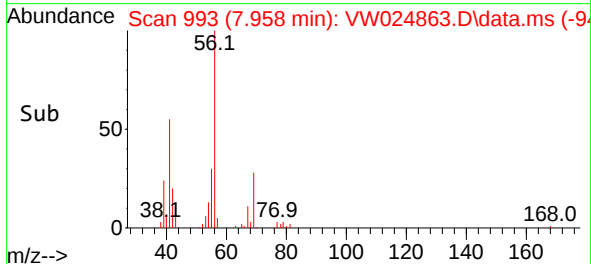
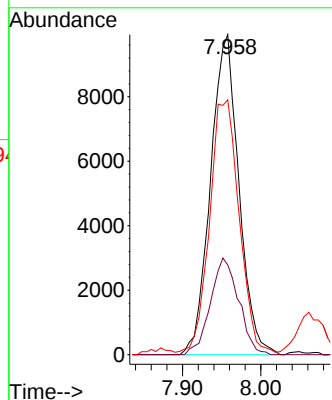
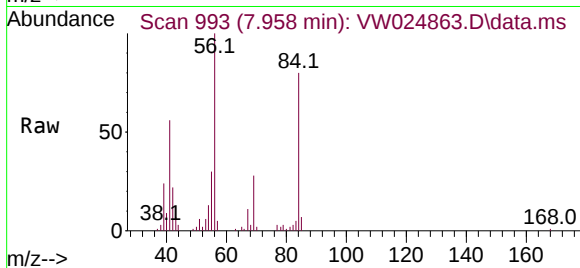
Tgt Ion: 56 Resp: 24943

Ion Ratio Lower Upper

56 100

69 30.1 24.2 36.2

84 83.6 67.7 101.5



#30

1,1,1-Trichloroethane

Concen: 2.249 ug/L

RT: 7.872 min Scan# 979

Delta R.T. -0.000 min

Lab File: VW024863.D

Acq: 12 Oct 2022 10:27

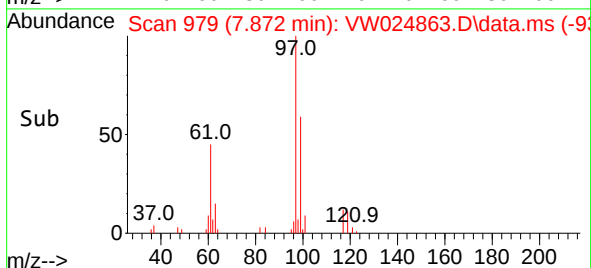
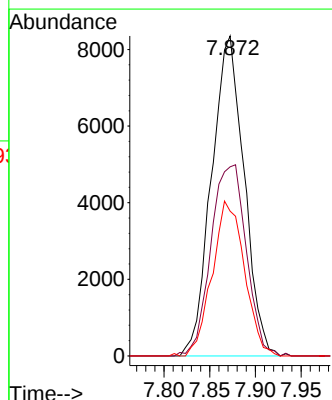
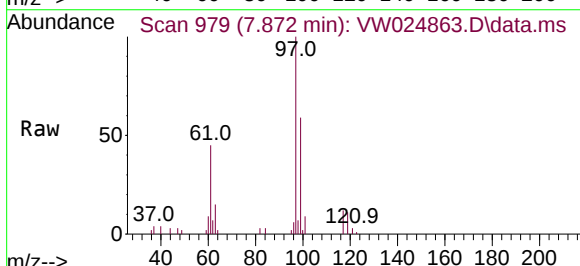
Tgt Ion: 97 Resp: 20739

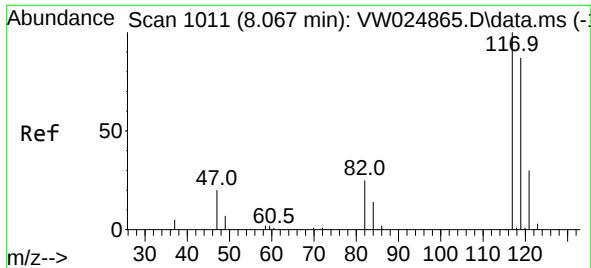
Ion Ratio Lower Upper

97 100

99 64.7 51.2 76.8

61 47.8 37.3 55.9

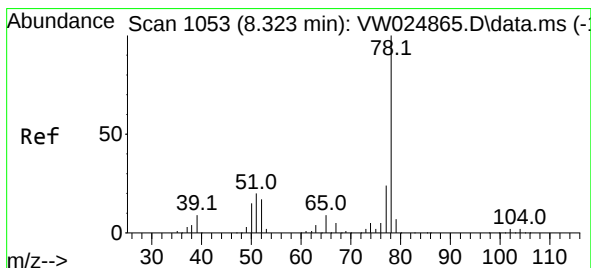
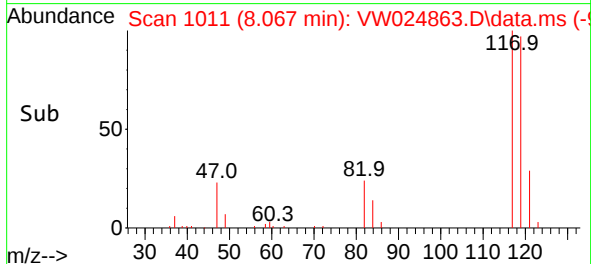
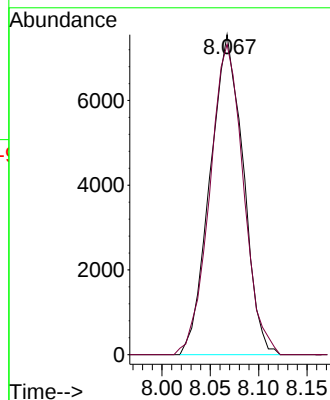
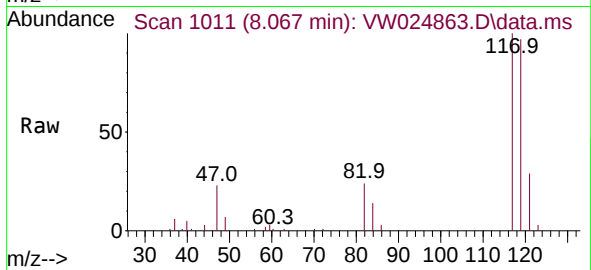




#31
Carbon tetrachloride
Concen: 2.221 ug/L
RT: 8.067 min Scan# 1011
Delta R.T. -0.000 min
Lab File: VW024863.D
Acq: 12 Oct 2022 10:27

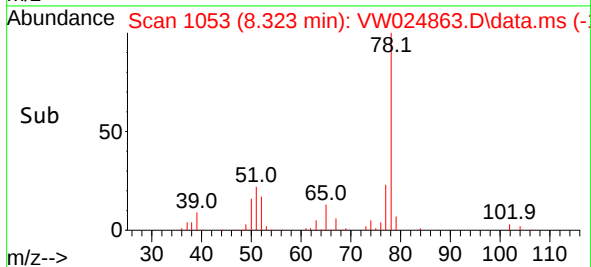
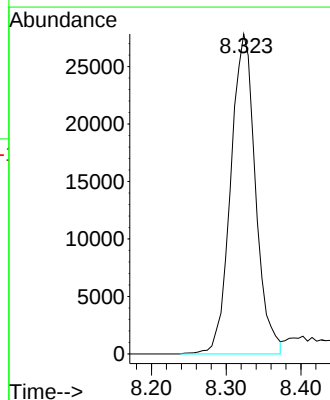
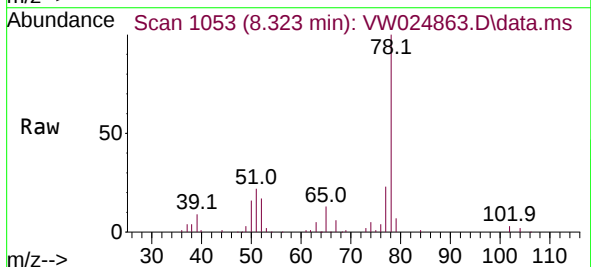
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5455

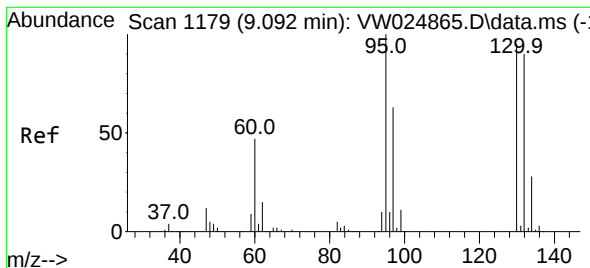
Tgt Ion:117 Resp: 17989
Ion Ratio Lower Upper
117 100
119 98.4 75.1 112.7



#33
Benzene
Concen: 2.354 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW024863.D
Acq: 12 Oct 2022 10:27

Tgt Ion: 78 Resp: 64220





#34

Trichloroethene

Concen: 2.297 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VW024863.D

Acq: 12 Oct 2022 10:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5455

Tgt Ion: 95 Resp: 15783

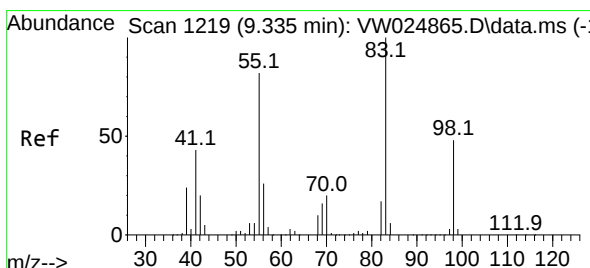
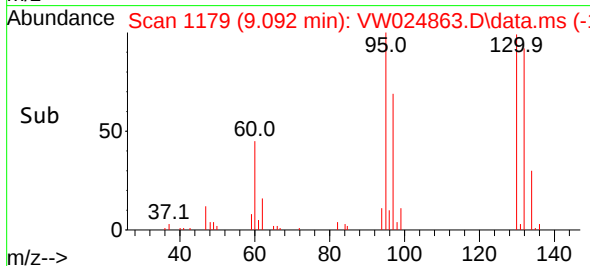
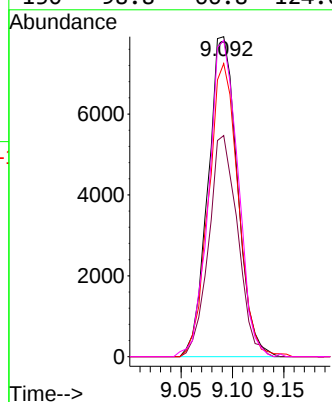
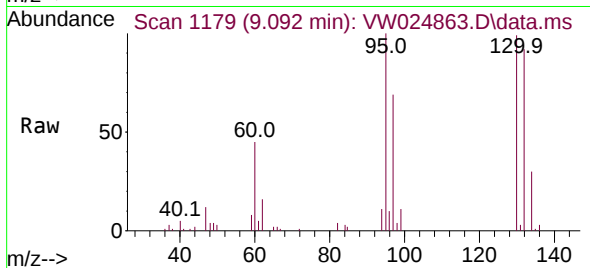
Ion Ratio Lower Upper

95 100

97 69.1 44.2 82.0

132 91.6 62.9 116.7

130 98.8 66.8 124.0



#35

Methylcyclohexane

Concen: 2.171 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW024863.D

Acq: 12 Oct 2022 10:27

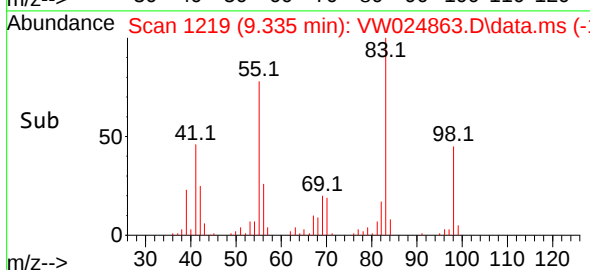
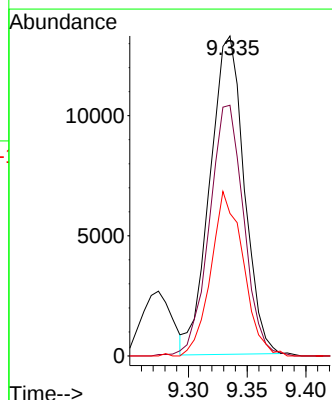
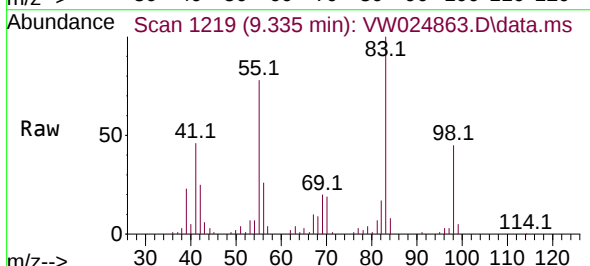
Tgt Ion: 83 Resp: 26848

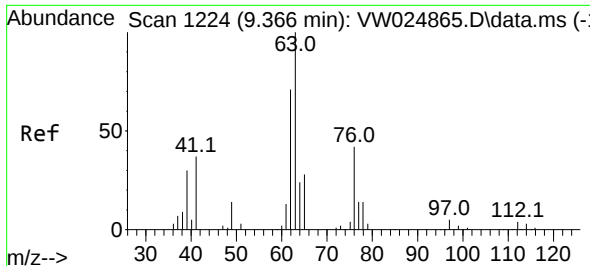
Ion Ratio Lower Upper

83 100

55 79.0 62.5 93.7

98 48.9 37.2 55.8





#37

1,2-Dichloropropane

Concen: 2.312 ug/L

RT: 9.366 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW024863.D

Acq: 12 Oct 2022 10:27

Instrument :

MSVOA_W

ClientSampleId :

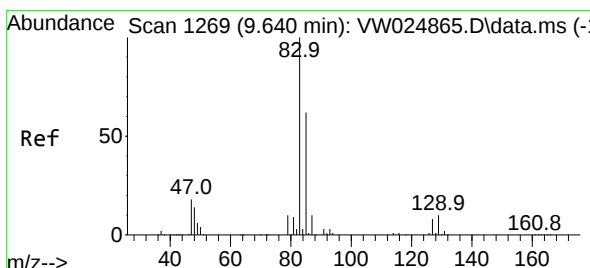
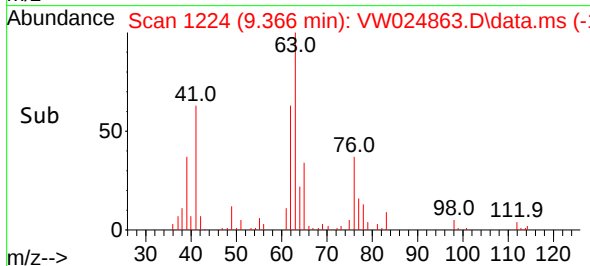
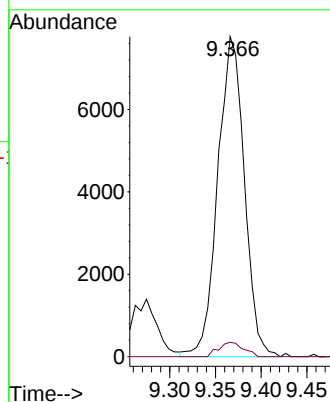
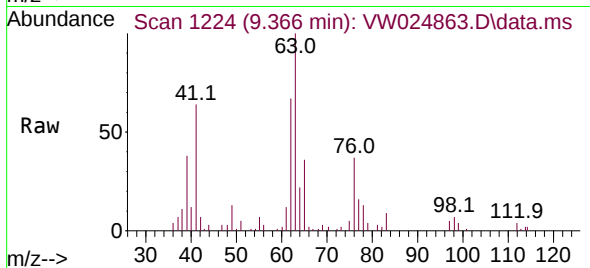
VSTD2.5455

Tgt Ion: 63 Resp: 15720

Ion Ratio Lower Upper

63 100

112 4.2 3.4 5.2



#38

Bromodichloromethane

Concen: 2.226 ug/L

RT: 9.640 min Scan# 1269

Delta R.T. -0.000 min

Lab File: VW024863.D

Acq: 12 Oct 2022 10:27

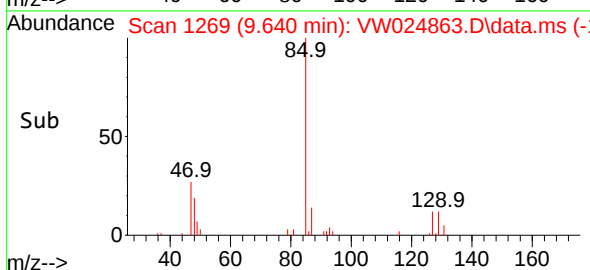
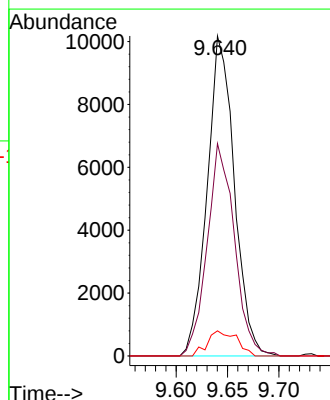
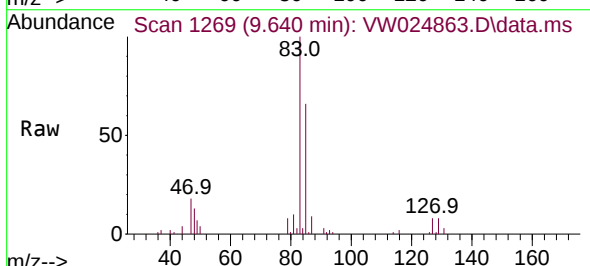
Tgt Ion: 83 Resp: 18702

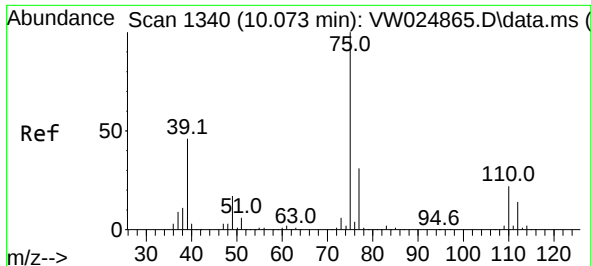
Ion Ratio Lower Upper

83 100

85 66.4 43.6 81.0

127 7.9 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 2.041 ug/L

RT: 10.073 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW024863.D

Acq: 12 Oct 2022 10:27

Instrument :

MSVOA_W

ClientSampleId :

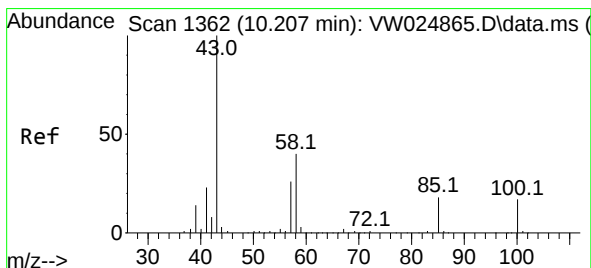
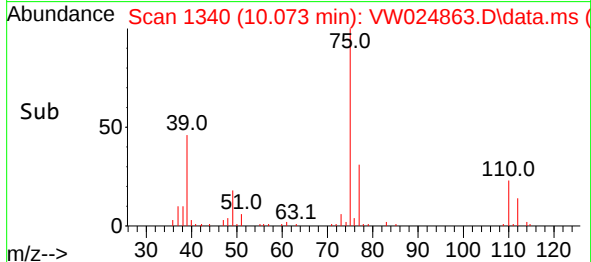
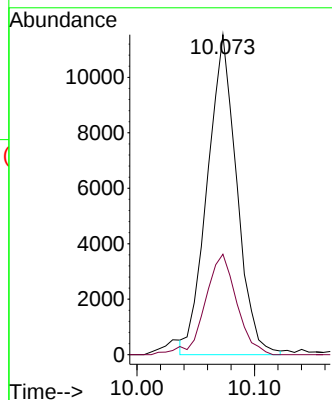
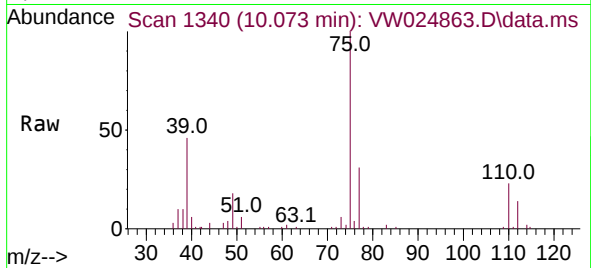
VSTD2.5455

Tgt Ion: 75 Resp: 20056

Ion Ratio Lower Upper

75 100

77 31.4 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 4.481 ug/L

RT: 10.213 min Scan# 1363

Delta R.T. 0.006 min

Lab File: VW024863.D

Acq: 12 Oct 2022 10:27

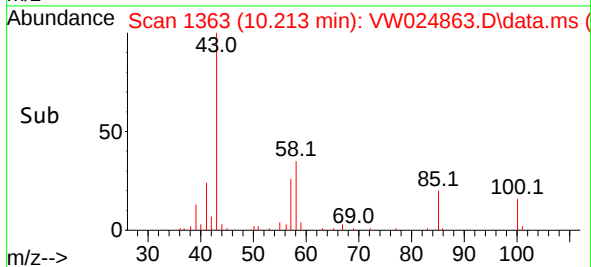
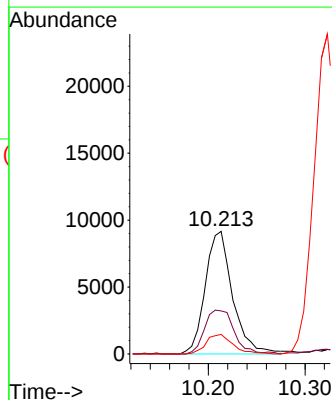
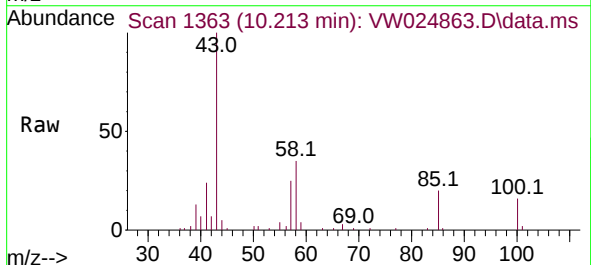
Tgt Ion: 43 Resp: 18010

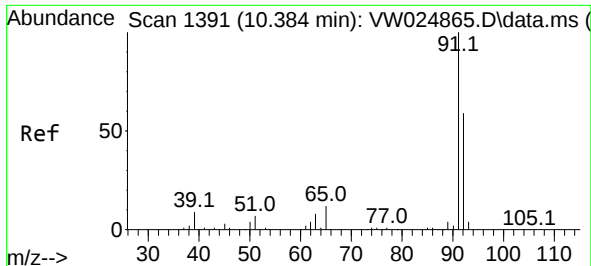
Ion Ratio Lower Upper

43 100

58 38.3 32.1 48.1

100 15.6 12.8 19.2

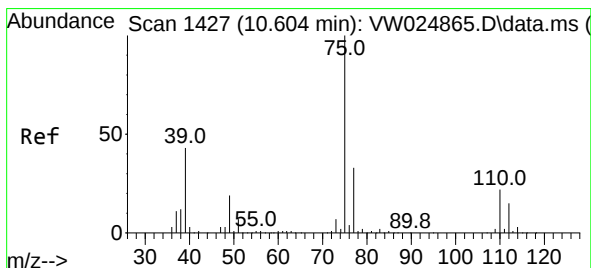
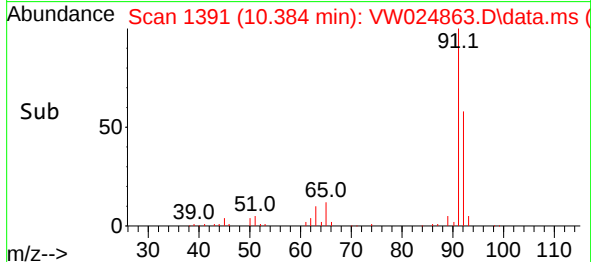
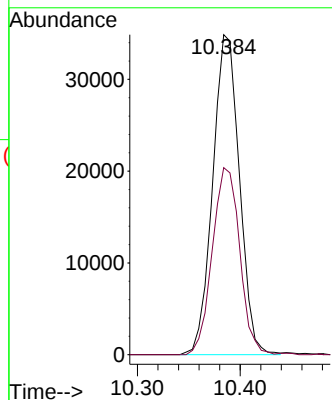
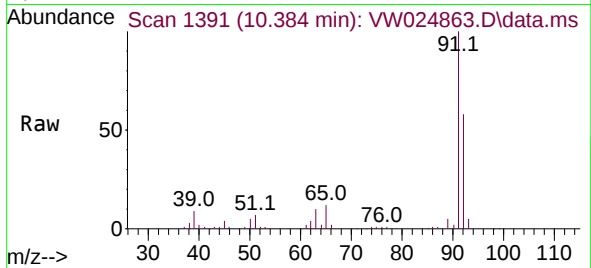




#42
Toluene
Concen: 2.252 ug/L
RT: 10.384 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW024863.D
Acq: 12 Oct 2022 10:27

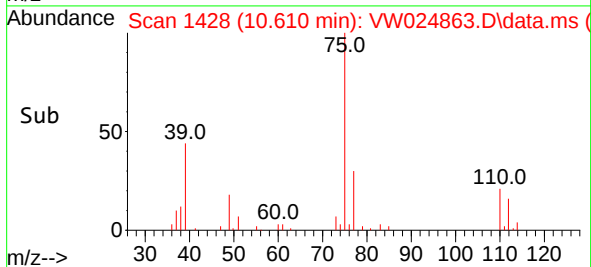
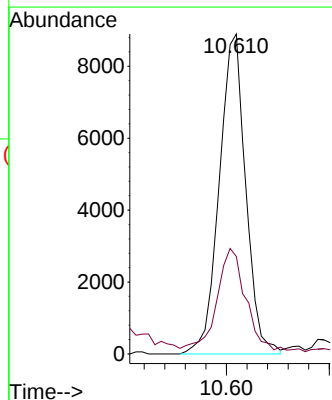
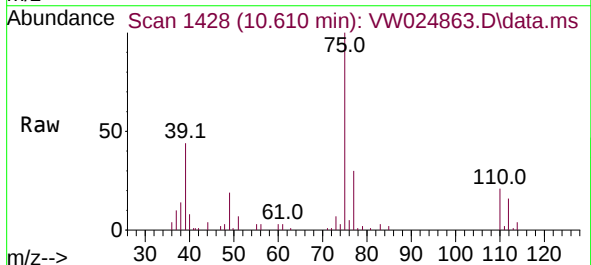
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5455

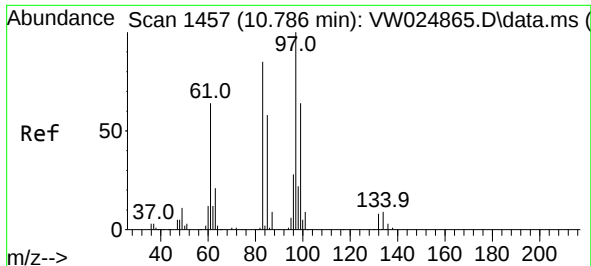
Tgt Ion: 91 Resp: 62997
Ion Ratio Lower Upper
91 100
92 58.5 41.5 77.1



#44
trans-1,3-Dichloropropene
Concen: 1.947 ug/L
RT: 10.610 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VW024863.D
Acq: 12 Oct 2022 10:27

Tgt Ion: 75 Resp: 15888
Ion Ratio Lower Upper
75 100
77 30.5 23.0 42.6





#45

1,1,2-Trichloroethane

Concen: 2.368 ug/L

RT: 10.786 min Scan# 1457

Delta R.T. -0.000 min

Lab File: VW024863.D

Acq: 12 Oct 2022 10:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5455

Tgt Ion: 97 Resp: 11247

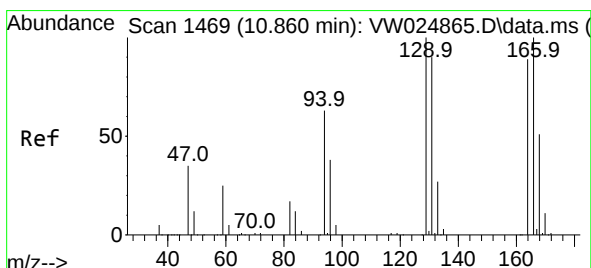
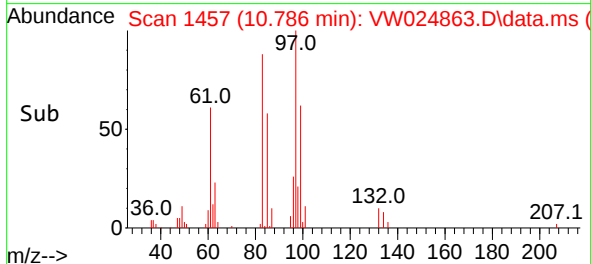
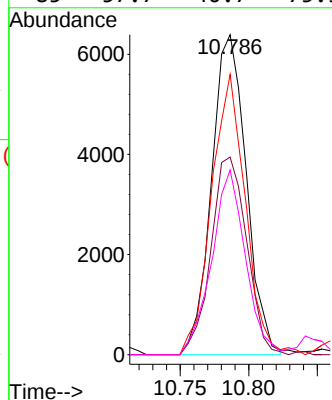
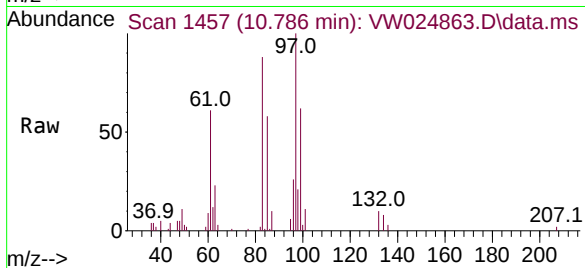
Ion Ratio Lower Upper

97 100

99 61.7 44.7 83.1

83 87.6 59.6 110.8

85 57.7 40.7 75.5



#46

Tetrachloroethene

Concen: 2.260 ug/L

RT: 10.860 min Scan# 1469

Delta R.T. -0.000 min

Lab File: VW024863.D

Acq: 12 Oct 2022 10:27

Tgt Ion:164 Resp: 10557

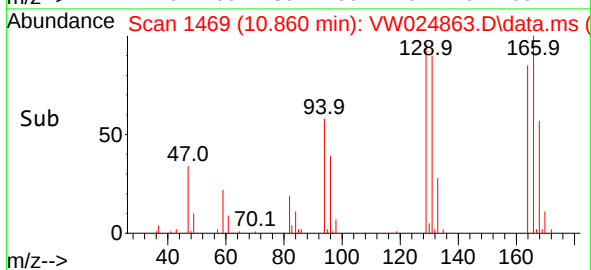
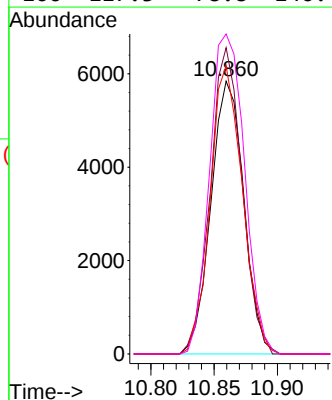
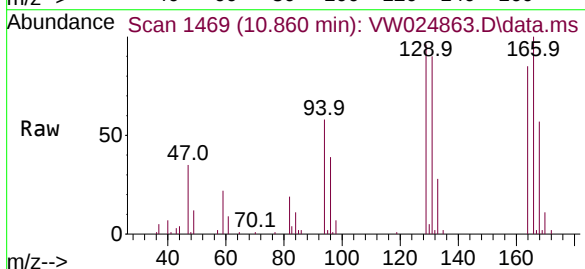
Ion Ratio Lower Upper

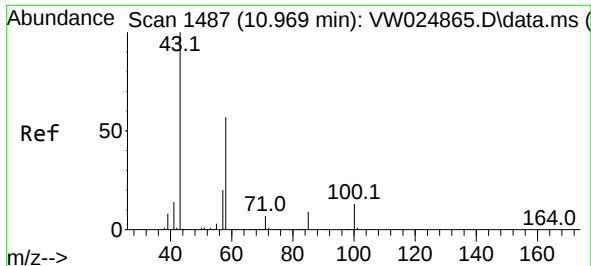
164 100

129 112.3 78.7 146.1

131 105.6 71.1 132.1

166 117.3 78.8 146.4

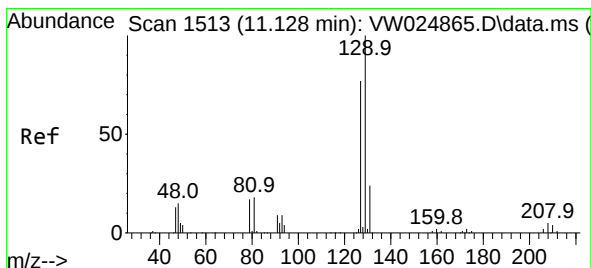
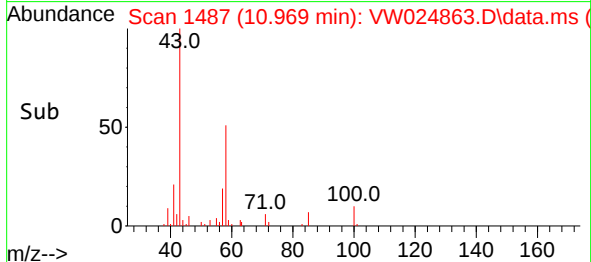
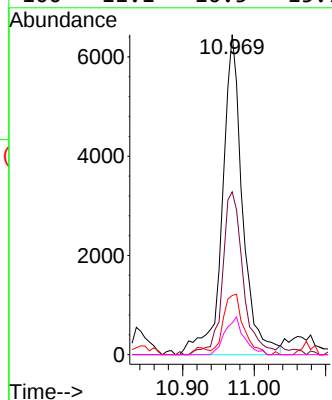
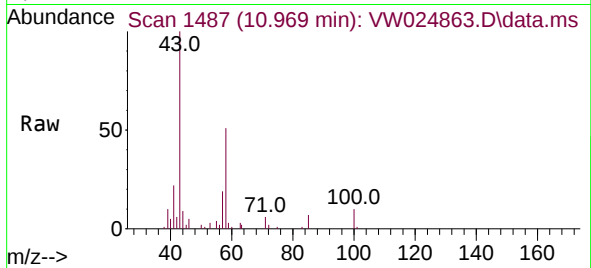




#48
2-Hexanone
Concen: 4.653 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VW024863.D
Acq: 12 Oct 2022 10:27

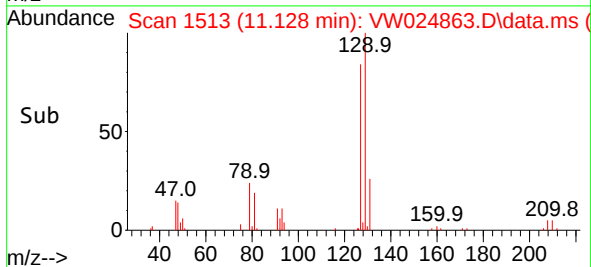
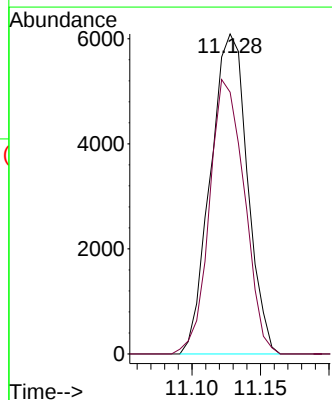
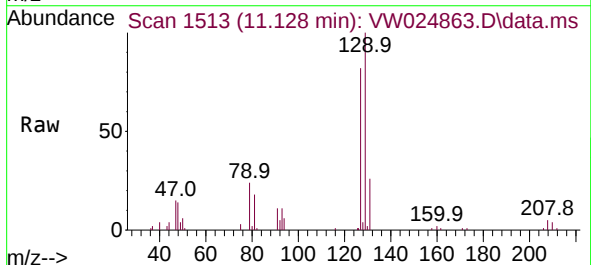
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5455

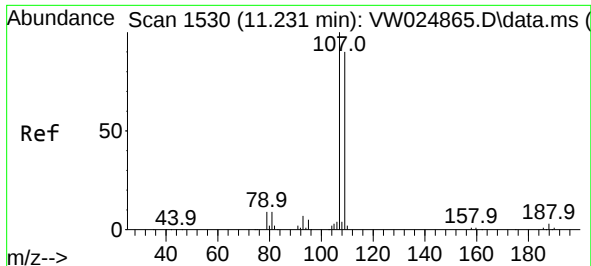
Tgt Ion:	43	Resp:	12679
Ion	Ratio	Lower	Upper
43	100		
58	51.8	47.0	70.6
57	18.8	16.0	24.0
100	11.1	10.5	15.7



#49
Dibromochloromethane
Concen: 2.174 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VW024863.D
Acq: 12 Oct 2022 10:27

Tgt Ion:	129	Resp:	11432
Ion	Ratio	Lower	Upper
129	100		
127	81.8	53.9	100.1





#50

1,2-Dibromoethane

Concen: 2.220 ug/L

RT: 11.231 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW024863.D

Acq: 12 Oct 2022 10:27

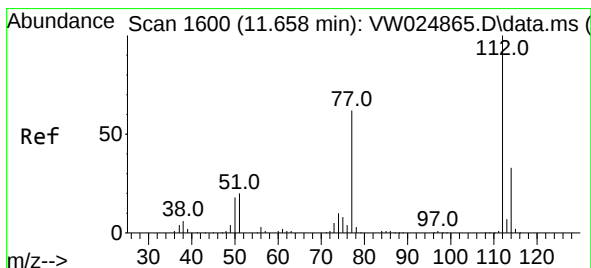
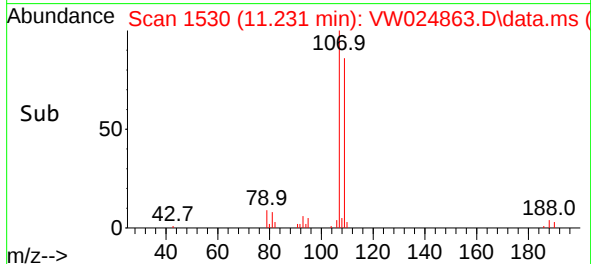
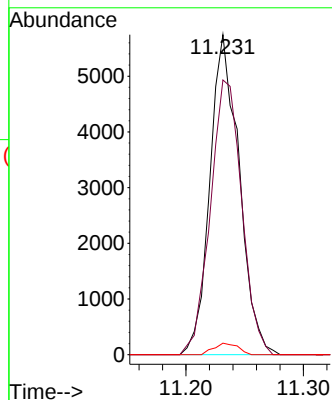
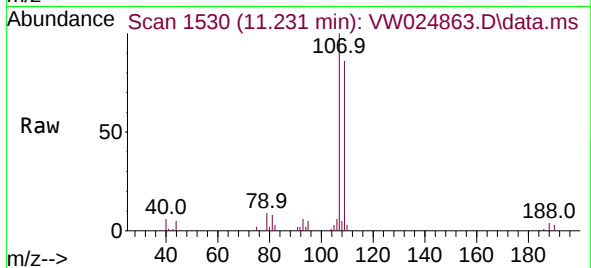
Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5455

Tgt Ion:107	Resp:	9935
Ion	Ratio	Lower Upper
107	100	
109	85.9	62.8 116.6
188	3.6	2.2 3.2#



#51

Chlorobenzene

Concen: 2.380 ug/L

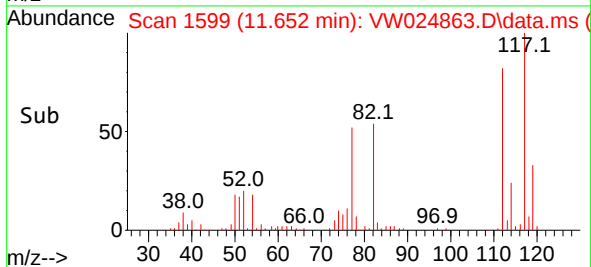
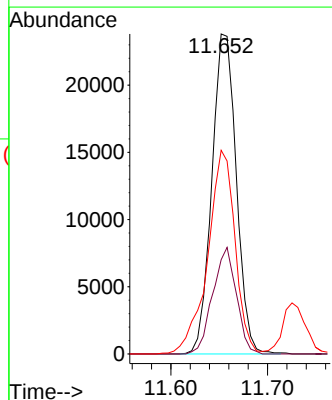
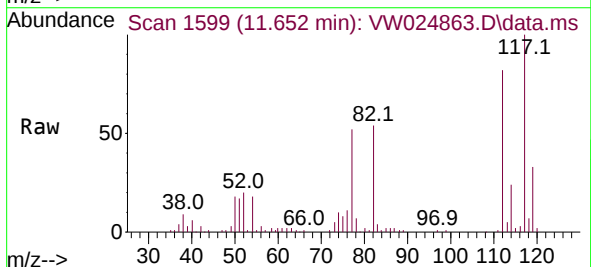
RT: 11.652 min Scan# 1599

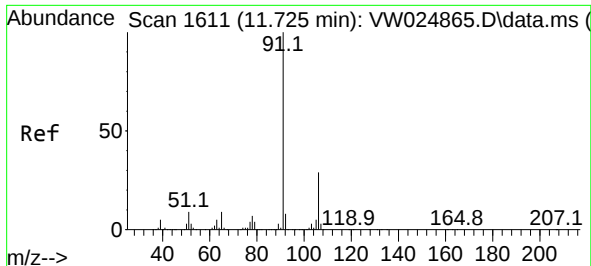
Delta R.T. -0.006 min

Lab File: VW024863.D

Acq: 12 Oct 2022 10:27

Tgt Ion:112	Resp:	41850
Ion	Ratio	Lower Upper
112	100	
114	29.5	22.7 42.3
77	63.7	49.8 74.8

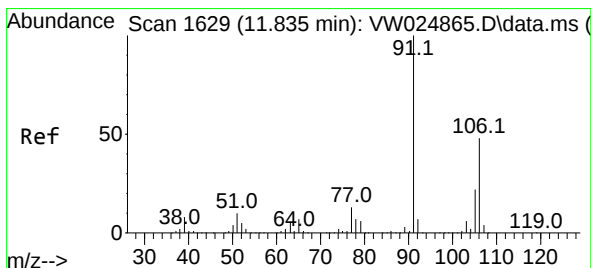
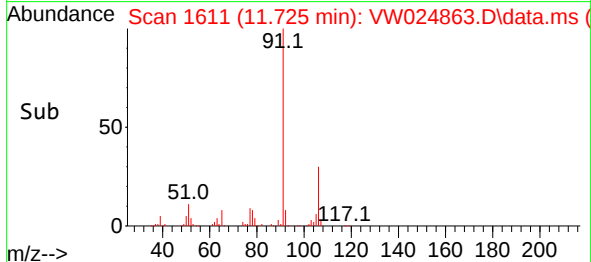
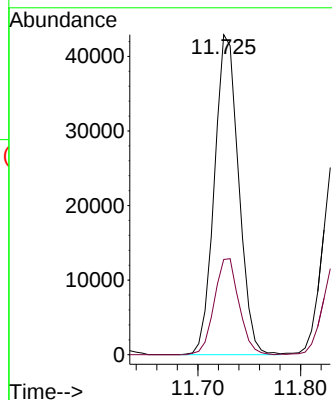
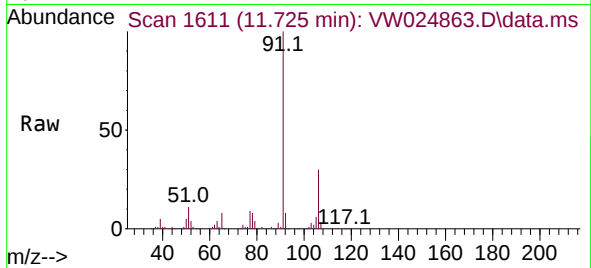




#52
Ethylbenzene
Concen: 2.246 ug/L
RT: 11.725 min Scan# 1611
Delta R.T. -0.000 min
Lab File: VW024863.D
Acq: 12 Oct 2022 10:27

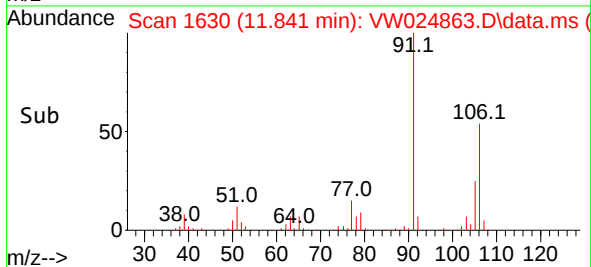
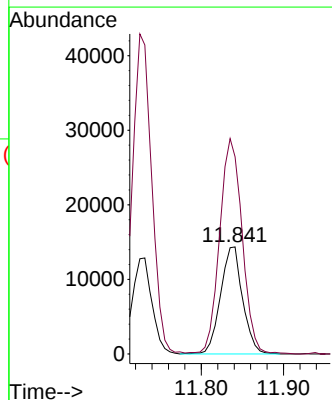
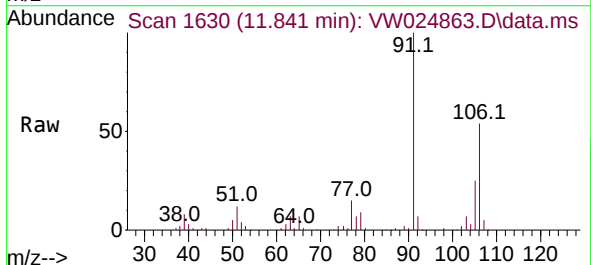
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5455

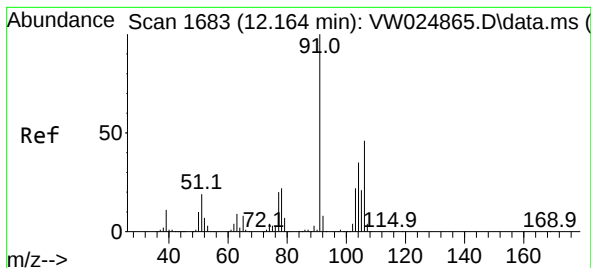
Tgt Ion: 91 Resp: 70369
Ion Ratio Lower Upper
91 100
106 29.7 20.1 37.3



#53
m,p-Xylene
Concen: 2.254 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.006 min
Lab File: VW024863.D
Acq: 12 Oct 2022 10:27

Tgt Ion: 106 Resp: 26822
Ion Ratio Lower Upper
106 100
91 184.3 147.4 273.8





#54

o-Xylene

Concen: 2.207 ug/L

RT: 12.164 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW024863.D

Acq: 12 Oct 2022 10:27

Instrument :

MSVOA_W

ClientSampleId :

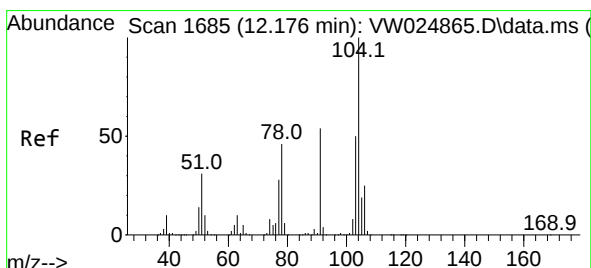
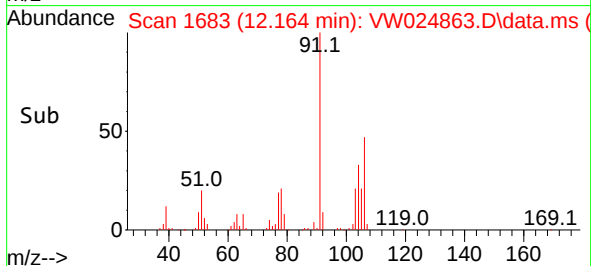
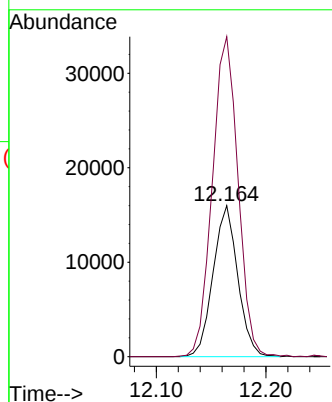
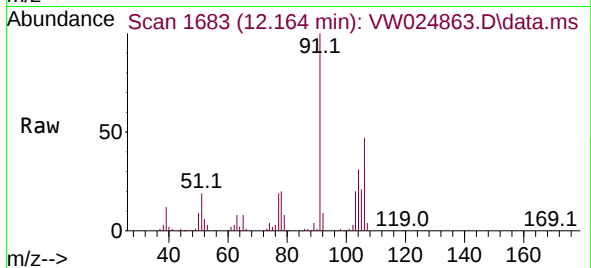
VSTD2.5455

Tgt Ion:106 Resp: 25014

Ion Ratio Lower Upper

106 100

91 211.8 151.0 280.4



#55

Styrene

Concen: 2.138 ug/L

RT: 12.176 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VW024863.D

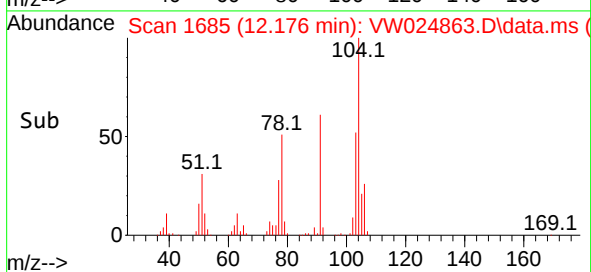
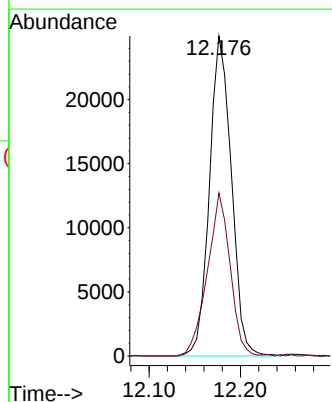
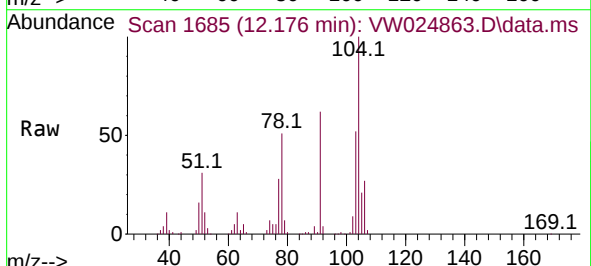
Acq: 12 Oct 2022 10:27

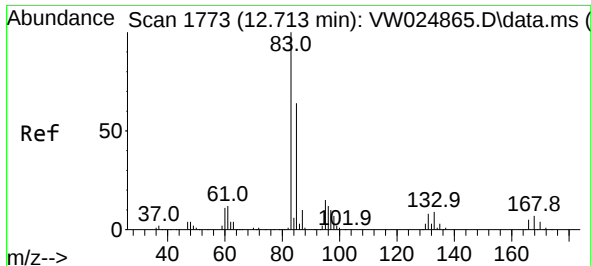
Tgt Ion:104 Resp: 41553

Ion Ratio Lower Upper

104 100

78 51.0 32.6 60.5





#57

1,1,2,2-Tetrachloroethane

Concen: 2.268 ug/L

RT: 12.713 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW024863.D

Acq: 12 Oct 2022 10:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5455

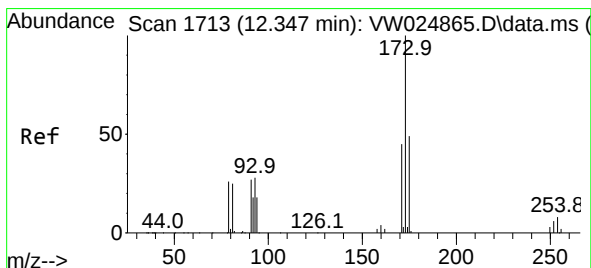
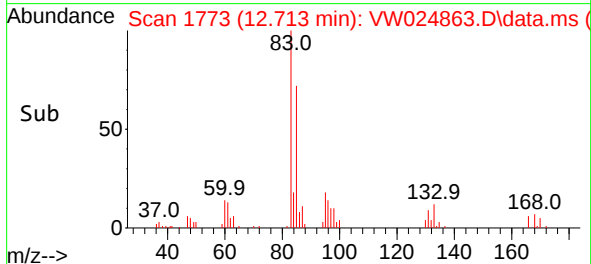
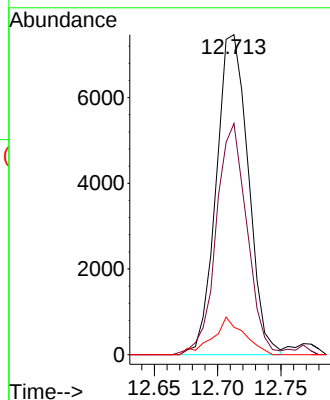
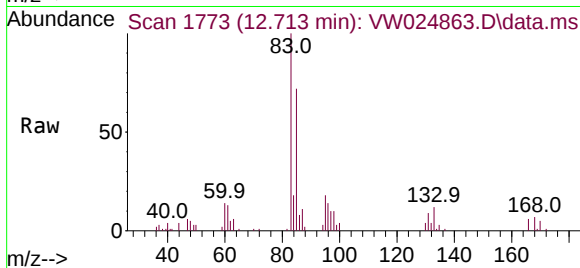
Tgt Ion: 83 Resp: 13142

Ion Ratio Lower Upper

83 100

85 72.3 44.5 82.7

131 8.6 6.8 10.2



#59

Bromoform

Concen: 2.121 ug/L

RT: 12.341 min Scan# 1712

Delta R.T. -0.006 min

Lab File: VW024863.D

Acq: 12 Oct 2022 10:27

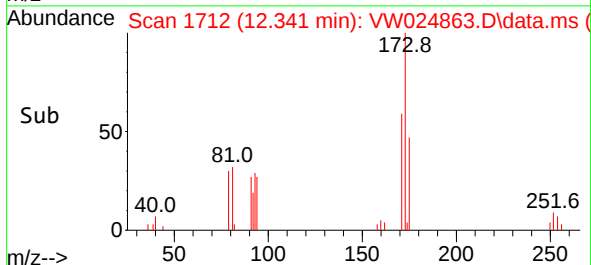
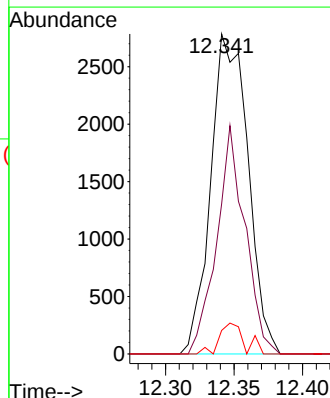
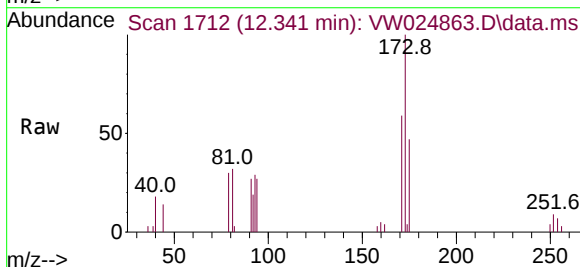
Tgt Ion: 173 Resp: 5263

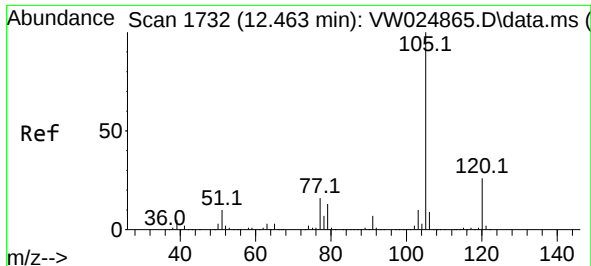
Ion Ratio Lower Upper

173 100

175 54.2 38.6 58.0

254 4.9 4.8 7.2

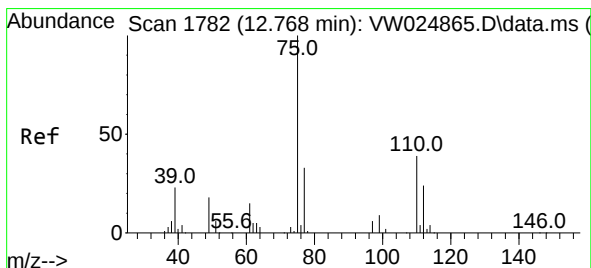
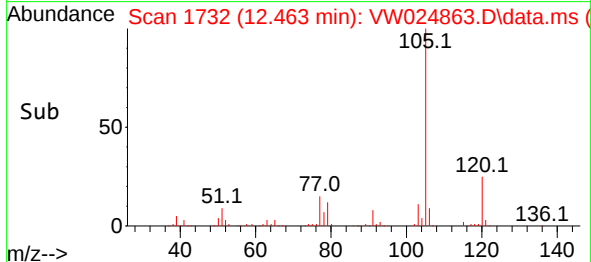
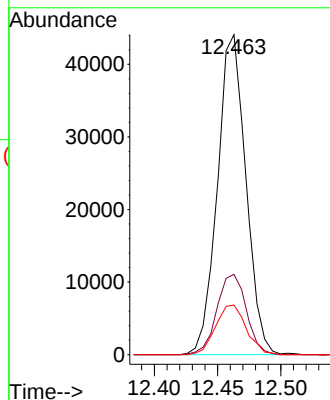
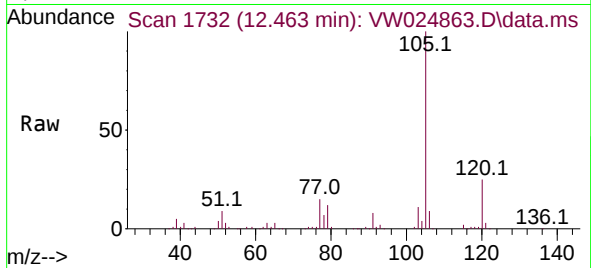




#60
Isopropylbenzene
Concen: 2.304 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW024863.D
Acq: 12 Oct 2022 10:27

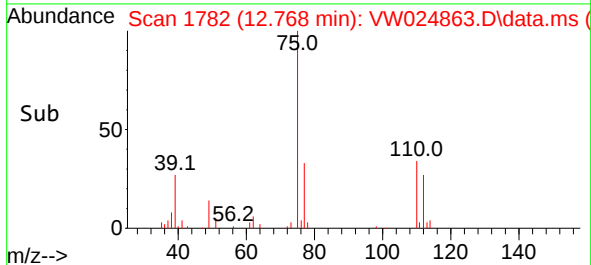
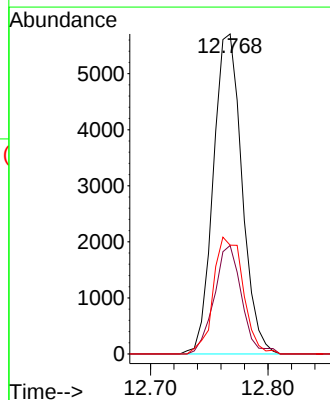
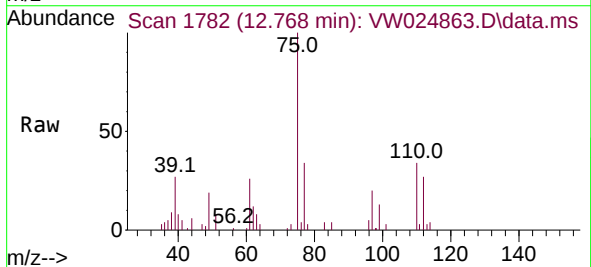
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5455

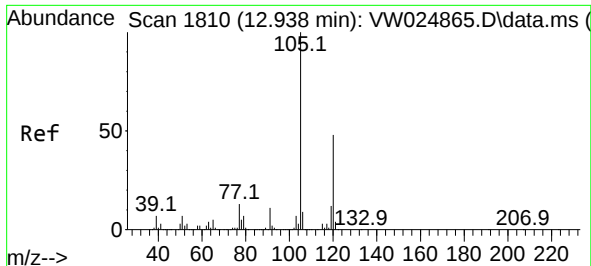
Tgt Ion:105 Resp: 68920
Ion Ratio Lower Upper
105 100
120 26.0 20.5 30.7
77 16.7 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 2.374 ug/L
RT: 12.768 min Scan# 1782
Delta R.T. -0.000 min
Lab File: VW024863.D
Acq: 12 Oct 2022 10:27

Tgt Ion: 75 Resp: 9682
Ion Ratio Lower Upper
75 100
77 32.1 26.4 39.6
110 37.8 30.8 46.2





#62

1,3,5-Trimethylbenzene

Concen: 2.215 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VW024863.D

Acq: 12 Oct 2022 10:27

Instrument :

MSVOA_W

ClientSampleId :

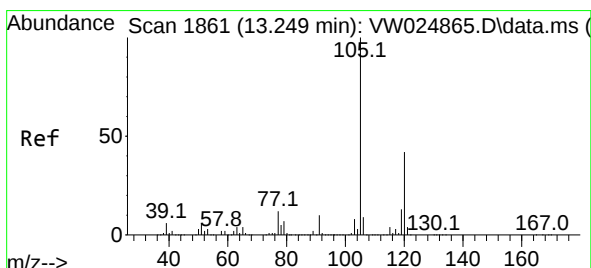
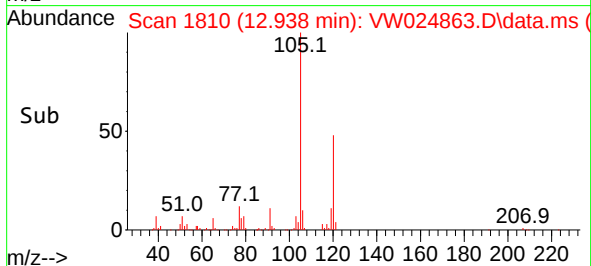
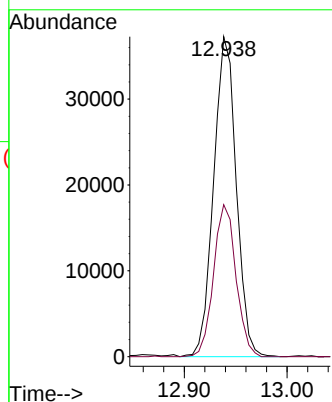
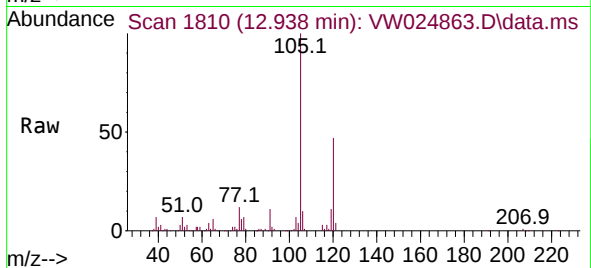
VSTD2.5455

Tgt Ion:105 Resp: 56906

Ion Ratio Lower Upper

105 100

120 47.1 38.1 57.1



#63

1,2,4-Trimethylbenzene

Concen: 2.189 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW024863.D

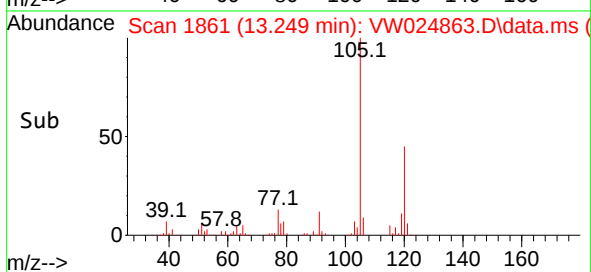
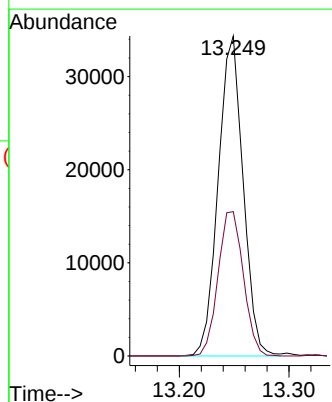
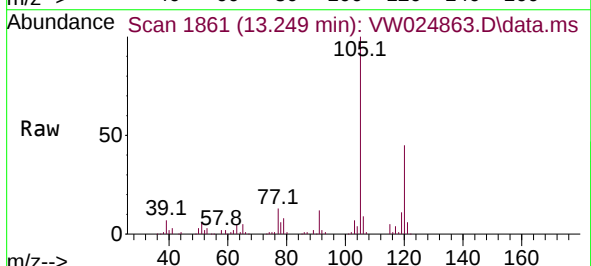
Acq: 12 Oct 2022 10:27

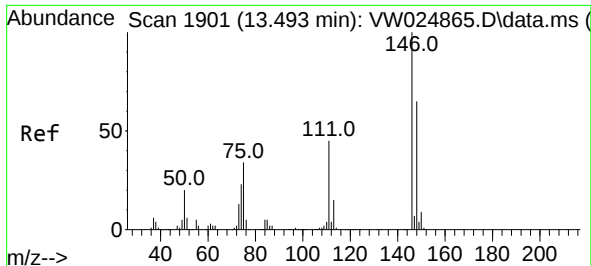
Tgt Ion:105 Resp: 54210

Ion Ratio Lower Upper

105 100

120 45.9 34.8 52.2

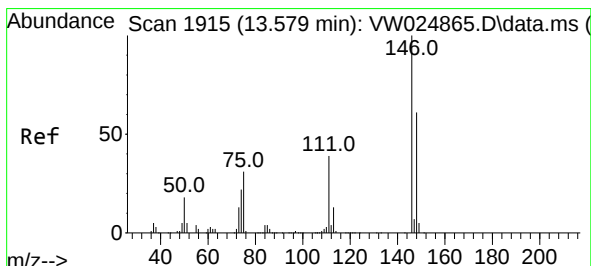
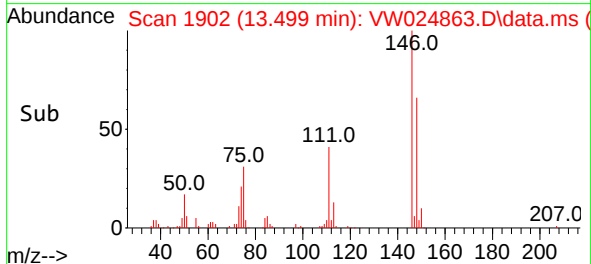
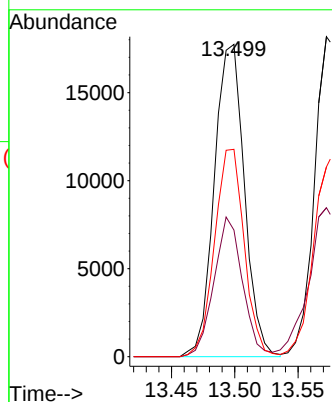
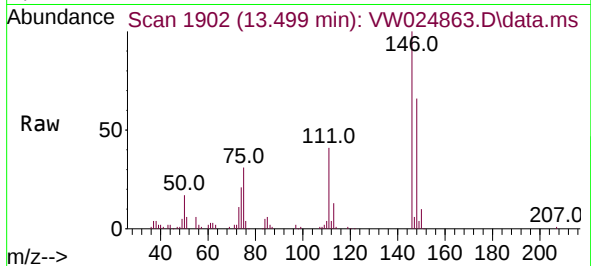




#64
1,3-Dichlorobenzene
Concen: 2.405 ug/L
RT: 13.499 min Scan# 1901
Delta R.T. 0.006 min
Lab File: VW024863.D
Acq: 12 Oct 2022 10:27

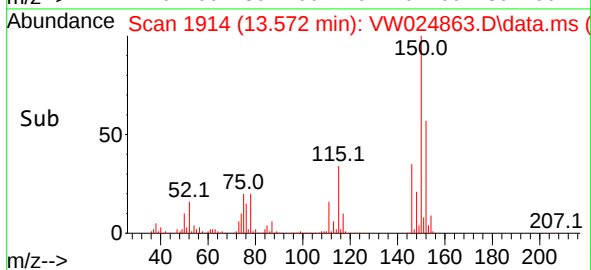
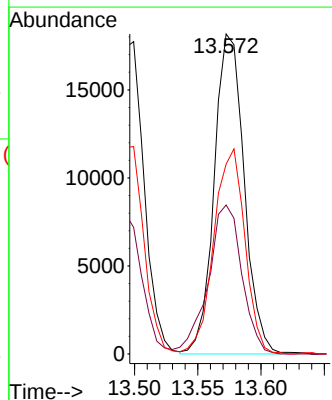
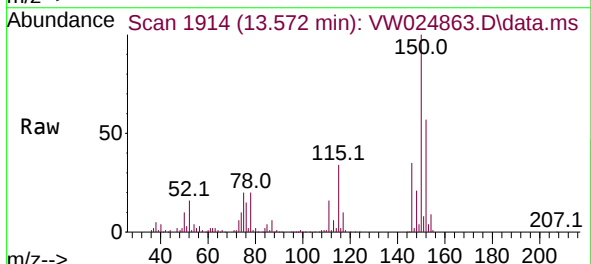
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5455

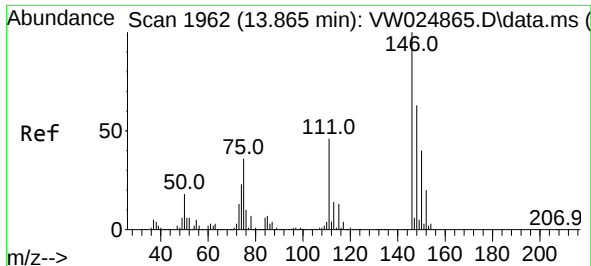
Tgt Ion:146 Resp: 29308
Ion Ratio Lower Upper
146 100
111 40.5 31.7 58.9
148 66.4 45.5 84.5



#65
1,4-Dichlorobenzene
Concen: 2.422 ug/L
RT: 13.572 min Scan# 1914
Delta R.T. -0.006 min
Lab File: VW024863.D
Acq: 12 Oct 2022 10:27

Tgt Ion:146 Resp: 29876
Ion Ratio Lower Upper
146 100
111 46.5 27.4 50.8
148 59.3 42.8 79.6





#67

1,2-Dichlorobenzene

Concen: 2.430 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VW024863.D

Acq: 12 Oct 2022 10:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5455

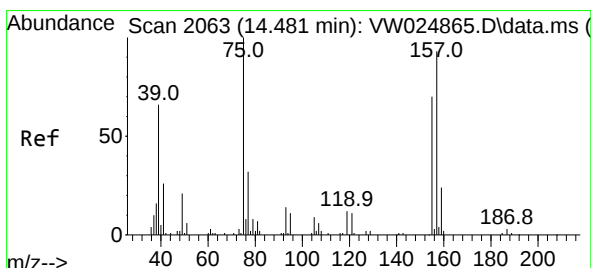
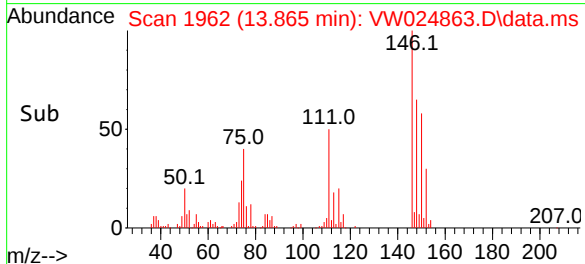
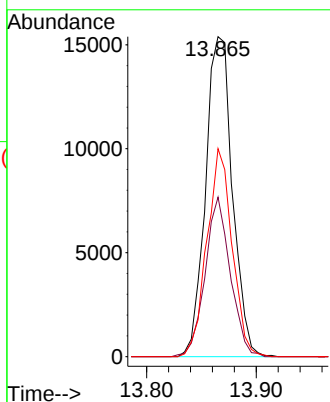
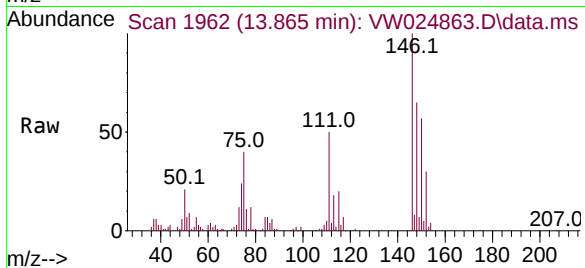
Tgt Ion:146 Resp: 26318

Ion Ratio Lower Upper

146 100

111 49.9 36.9 55.3

148 65.0 50.0 75.0



#68

1,2-Dibromo-3-chloropropane

Concen: 2.330 ug/L

RT: 14.487 min Scan# 2064

Delta R.T. 0.006 min

Lab File: VW024863.D

Acq: 12 Oct 2022 10:27

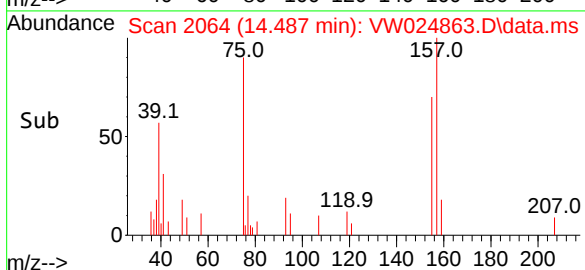
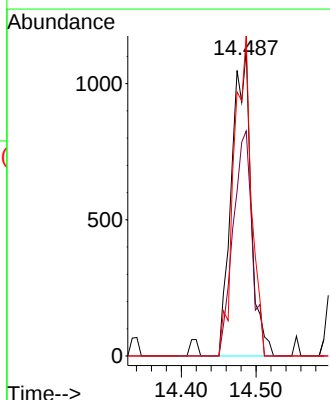
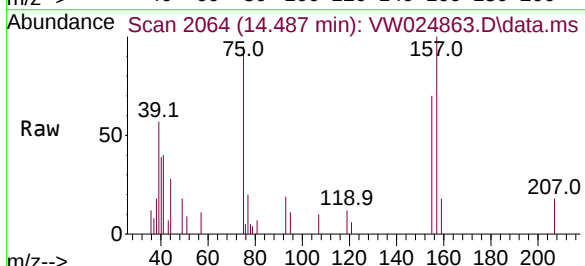
Tgt Ion: 75 Resp: 2057

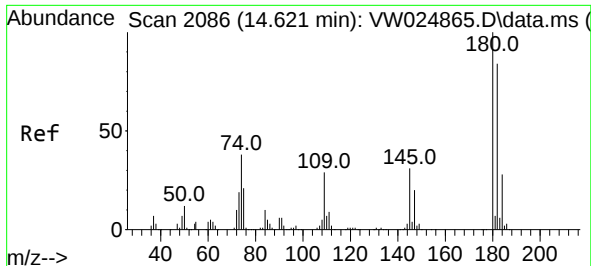
Ion Ratio Lower Upper

75 100

155 73.6 56.2 84.4

157 104.7 74.6 111.8





#69

1,3,5-Trichlorobenzene

Concen: 2.382 ug/L

RT: 14.621 min Scan# 2086

Delta R.T. -0.000 min

Lab File: VW024863.D

Acq: 12 Oct 2022 10:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5455

Tgt Ion:180 Resp: 18948

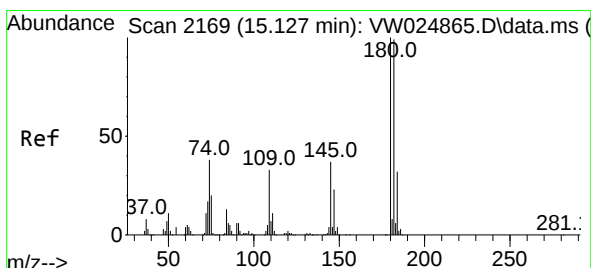
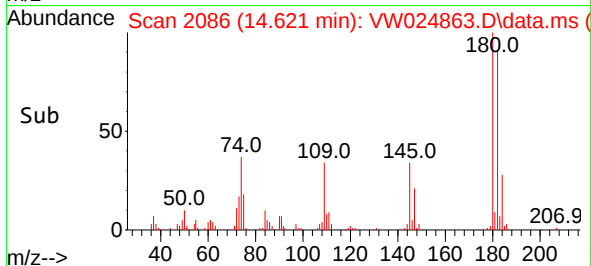
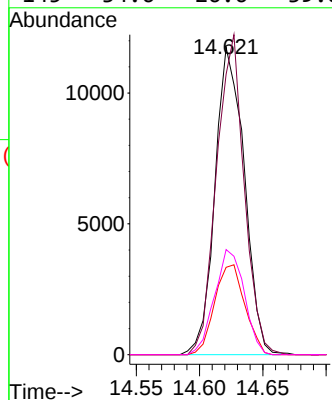
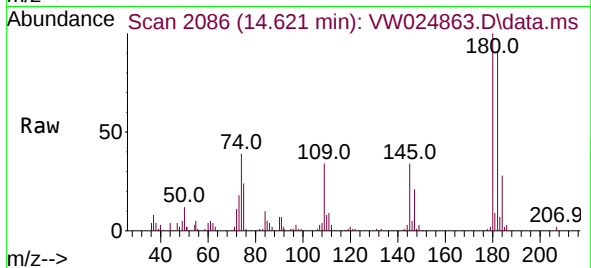
Ion Ratio Lower Upper

180 100

182 98.2 75.0 112.6

184 30.2 22.9 34.3

145 34.6 26.6 39.8



#70

1,2,4-trichlorobenzene

Concen: 2.294 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. -0.000 min

Lab File: VW024863.D

Acq: 12 Oct 2022 10:27

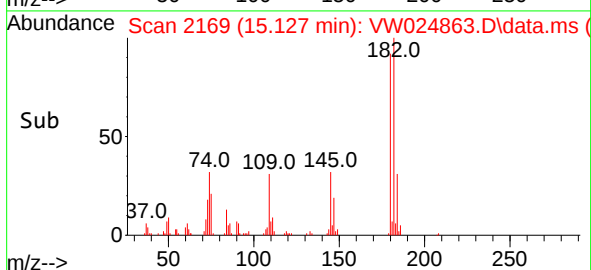
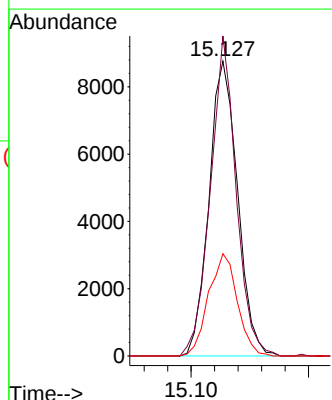
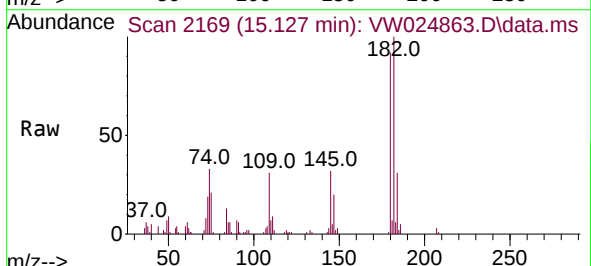
Tgt Ion:180 Resp: 14808

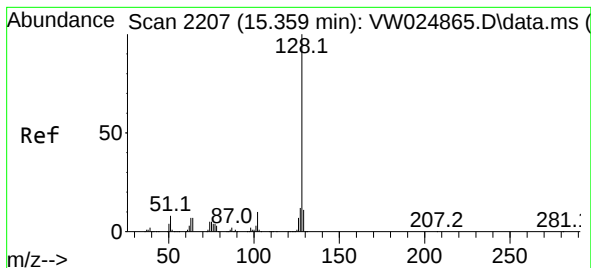
Ion Ratio Lower Upper

180 100

182 97.9 77.7 116.5

145 34.9 29.0 43.4

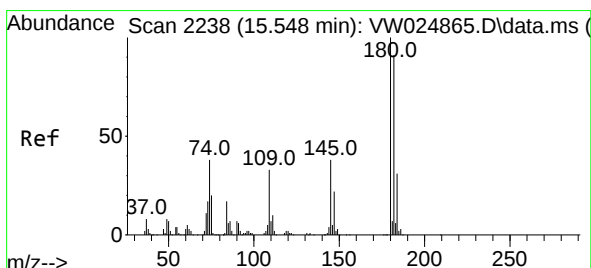
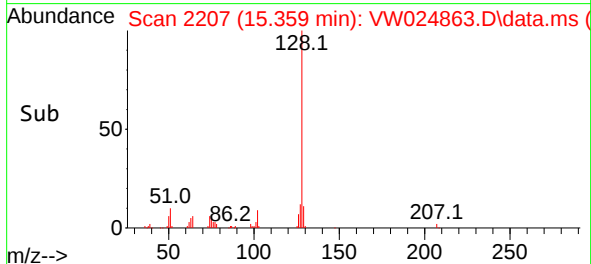
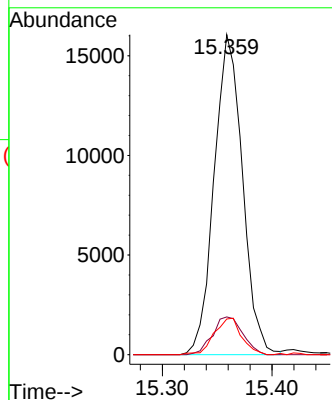
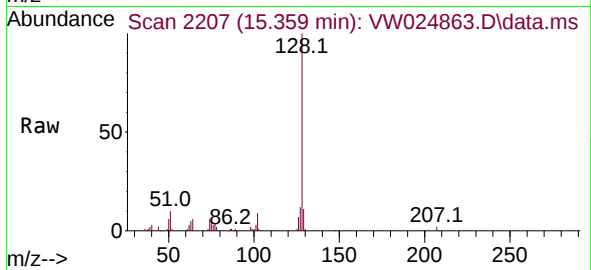




#71
Naphthalene
Concen: 2.062 ug/L
RT: 15.359 min Scan# 2207
Delta R.T. -0.000 min
Lab File: VW024863.D
Acq: 12 Oct 2022 10:27

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5455

Tgt Ion:128 Resp: 28842
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 10.8 9.0 13.4



#72
1,2,3-Trichlorobenzene
Concen: 2.210 ug/L
RT: 15.548 min Scan# 2238
Delta R.T. -0.000 min
Lab File: VW024863.D
Acq: 12 Oct 2022 10:27

Tgt Ion:180 Resp: 12175
Ion Ratio Lower Upper
180 100
182 96.4 75.1 112.7
145 39.1 29.9 44.9

