

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062223\
 Data File : VU054665.D
 Acq On : 22 Jun 2023 18:51
 Operator : MD/SY
 Sample : 03384-03MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YBW82MSD

Quant Time: Jun 23 04:37:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jun 23 04:31:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	305690	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	292451	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	152552	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	101772	5.231	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.600%
7) Chloroethane-d5	1.914	69	83949	4.609	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.200%
11) 1,1-Dichloroethene-d2	2.563	65	39869	4.588	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.800%
20) 2-Butanone-d5	4.631	46	249810	45.671	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.340%
24) Chloroform-d	5.058	84	176731	4.346	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.000%
26) 1,2-Dichloroethane-d4	5.698	65	85146	4.295	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.000%
32) Benzene-d6	5.724	84	341876	4.205	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.200%
36) 1,2-Dichloropropane-d6	6.685	67	114047	4.201	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.000%
41) Toluene-d8	7.894	98	304571	4.221	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.400%
43) trans-1,3-Dichloroprop...	8.177	79	42828	4.536	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.800%
46) 2-Hexanone-d5	8.627	63	173784	43.875	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.740%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	86321	4.264	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	105038	4.082	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	110373	3.864	ug/L	99
3) Chloromethane	1.522	50	136931	4.173	ug/L	98
5) Vinyl chloride	1.605	62	142569	4.233	ug/L	100
6) Bromomethane	1.859	94	75530	4.079	ug/L	99
8) Chloroethane	1.933	64	90437	4.480	ug/L	97
9) Trichlorofluoromethane	2.136	101	187096	4.519	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	109870	4.536	ug/L	98
12) 1,1-Dichloroethene	2.579	96	97065	4.378	ug/L	91
13) Acetone	2.644	43	207608	40.255	ug/L	99
14) Carbon disulfide	2.792	76	239358	3.640	ug/L	99
15) Methyl Acetate	2.956	43	43696	4.572	ug/L	95
16) Methylene chloride	3.042	84	115485	3.704	ug/L	95
17) Methyl tert-butyl Ether	3.361	73	255675	4.672	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	97135	4.243	ug/L	96
19) 1,1-Dichloroethane	3.866	63	231638	4.890	ug/L	99
21) 2-Butanone	4.708	43	331674	49.554	ug/L	97
22) cis-1,2-Dichloroethene	4.663	96	120590	4.626	ug/L	98
23) Bromochloromethane	4.968	128	49989	4.608	ug/L	98
25) Chloroform	5.084	83	225132	4.820	ug/L	96

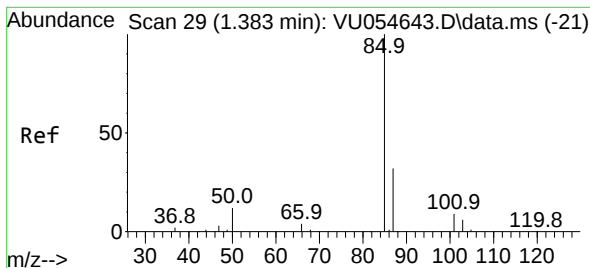
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	132992	4.858	ug/L	98
29) 1,1,1-Trichloroethane	5.312	97	185253	4.671	ug/L	97
30) Cyclohexane	5.383	56	173689	4.021	ug/L	98
31) Carbon tetrachloride	5.521	117	153804	4.501	ug/L	100
33) Benzene	5.769	78	474175	4.511	ug/L	100
34) Trichloroethene	6.537	95	120593	4.339	ug/L	93
35) Methylcyclohexane	6.759	83	161289	3.839	ug/L	97
37) 1,2-Dichloropropane	6.785	63	137658	4.844	ug/L	100
38) Bromodichloromethane	7.100	83	156283	4.858	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	179922	4.637	ug/L	97
40) 4-Methyl-2-pentanone	7.785	43	789445	52.055	ug/L	97
42) Toluene	7.965	91	505841	4.673	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	149044	4.733	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	88529	4.897	ug/L	98
47) Tetrachloroethene	8.550	164	83669	3.933	ug/L	98
48) 2-Hexanone	8.679	43	569098	50.362	ug/L	98
49) Dibromochloromethane	8.804	129	92614	4.879	ug/L	100
50) 1,2-Dibromoethane	8.917	107	77825	4.689	ug/L #	99
51) Chlorobenzene	9.441	112	304027	4.506	ug/L	98
52) Ethylbenzene	9.566	91	531628	4.497	ug/L	99
53) m,p-Xylene	9.688	106	198229	4.565	ug/L	100
54) o-Xylene	10.097	106	192590	4.586	ug/L	97
55) Styrene	10.110	104	336581	4.775	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.775	83	113886	4.959	ug/L	99
59) Bromoform	10.287	173	53107	4.849	ug/L	100
60) Isopropylbenzene	10.479	105	526657	4.719	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	77190	5.007	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	414145	4.548	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	427050	4.618	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	247642	4.747	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	246552	4.709	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	228213	4.757	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	18021	5.319	ug/L	89
69) 1,3,5-Trichlorobenzene	13.212	180	180404	4.584	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	149835	4.604	ug/L	100
71) Naphthalene	14.081	128	244813	4.626	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	134670	4.817	ug/L	99

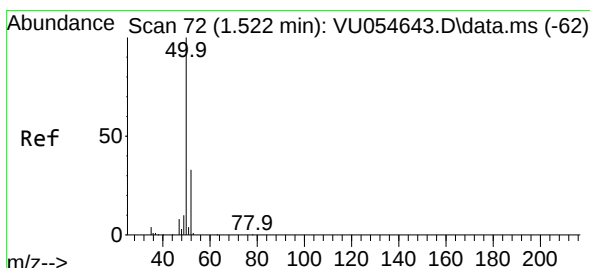
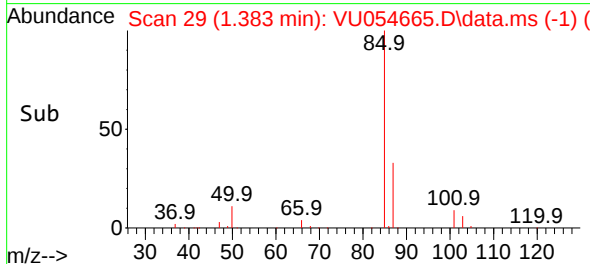
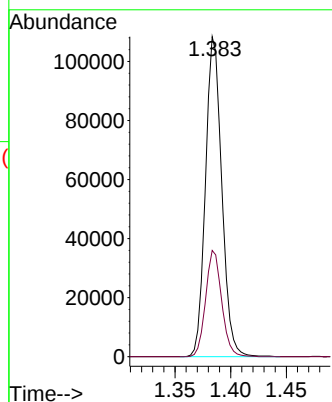
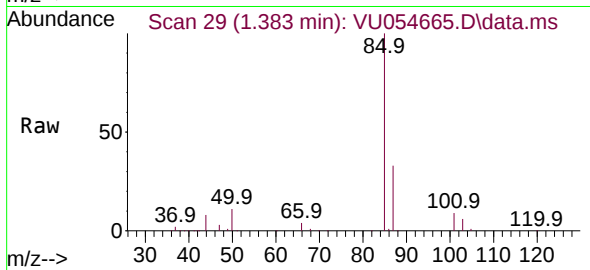
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 3.864 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU054665.D
 Acq: 22 Jun 2023 18:51

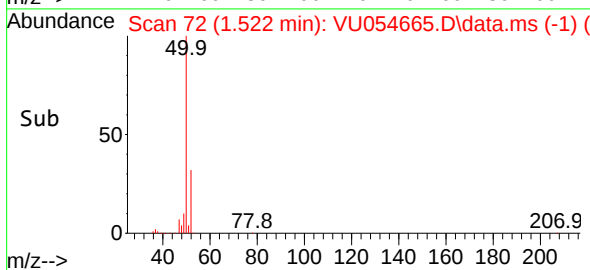
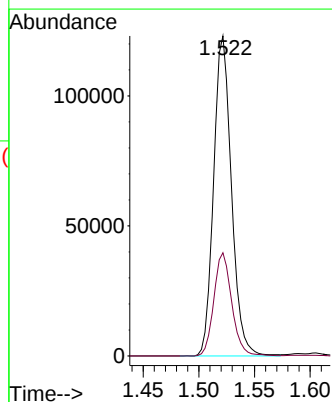
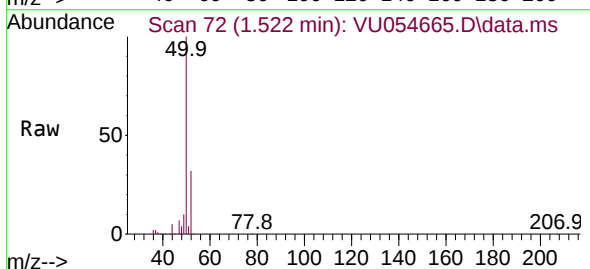
Instrument :
 MSVOA_U
 ClientSampleId :
 YBW82MSD

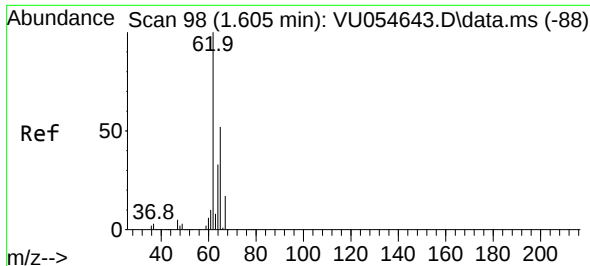
Tgt Ion: 85 Resp: 110373
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.4 38.2



#3
 Chloromethane
 Concen: 4.173 ug/L
 RT: 1.522 min Scan# 72
 Delta R.T. 0.000 min
 Lab File: VU054665.D
 Acq: 22 Jun 2023 18:51

Tgt Ion: 50 Resp: 136931
 Ion Ratio Lower Upper
 50 100
 52 32.3 23.4 43.4

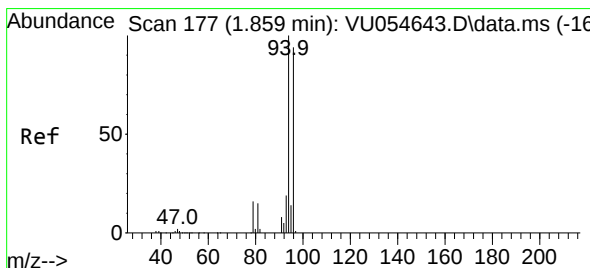
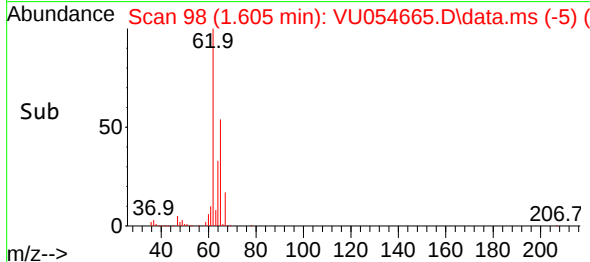
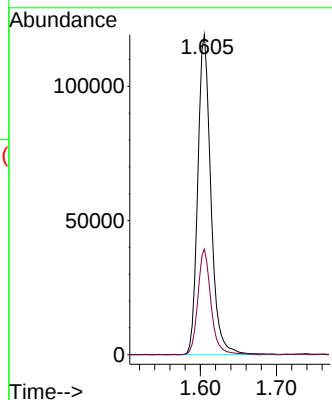
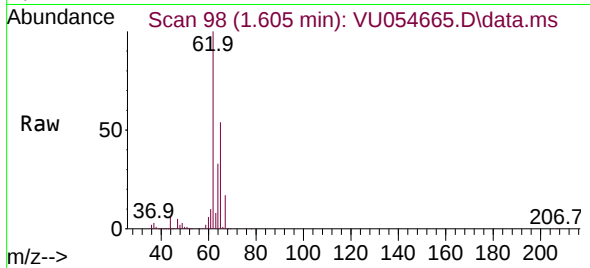




#5
 Vinyl chloride
 Concen: 4.233 ug/L
 RT: 1.605 min Scan# 98
 Delta R.T. 0.000 min
 Lab File: VU054665.D
 Acq: 22 Jun 2023 18:51

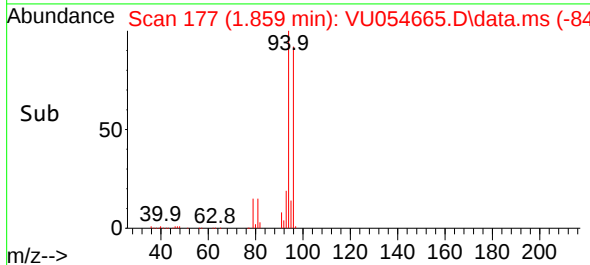
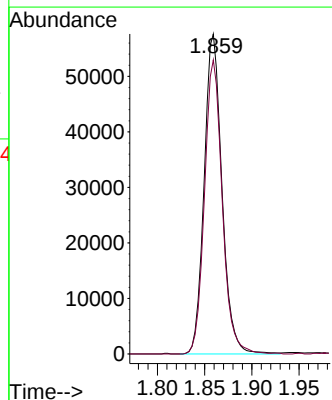
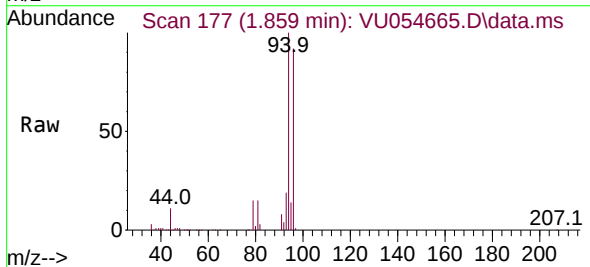
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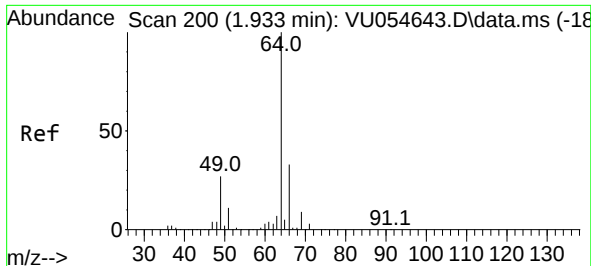
Tgt Ion: 62 Resp: 142569
 Ion Ratio Lower Upper
 62 100
 64 33.0 23.0 42.6



#6
 Bromomethane
 Concen: 4.079 ug/L
 RT: 1.859 min Scan# 177
 Delta R.T. 0.000 min
 Lab File: VU054665.D
 Acq: 22 Jun 2023 18:51

Tgt Ion: 94 Resp: 75530
 Ion Ratio Lower Upper
 94 100
 96 91.9 63.6 118.2

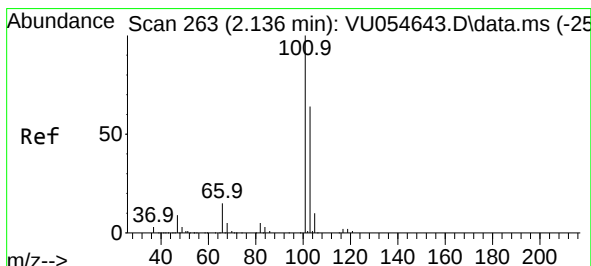
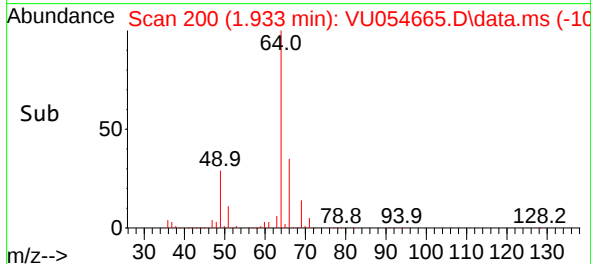
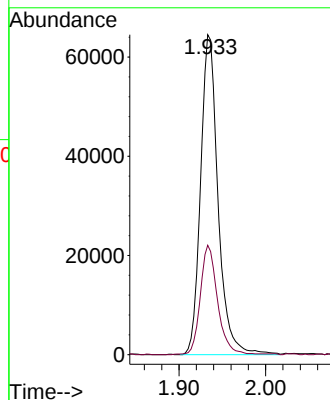
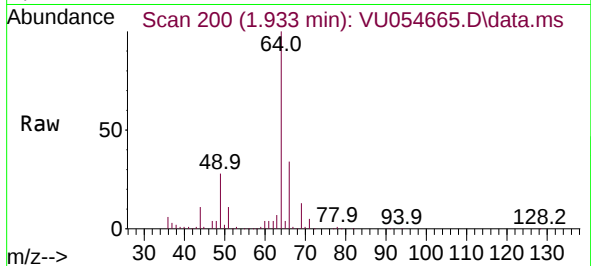




#8
Chloroethane
Concen: 4.480 ug/L
RT: 1.933 min Scan# 200
Delta R.T. 0.000 min
Lab File: VU054665.D
Acq: 22 Jun 2023 18:51

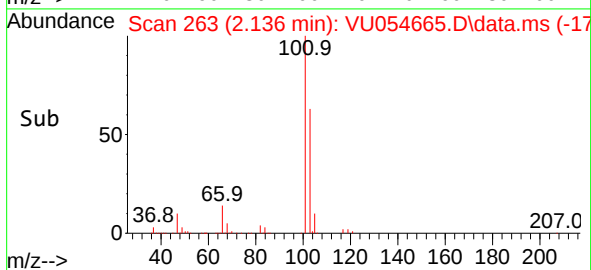
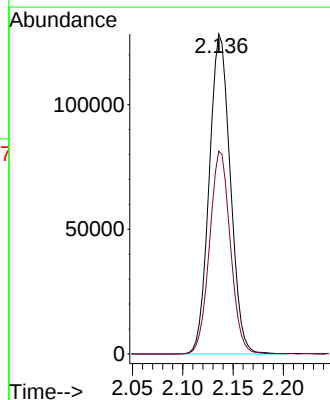
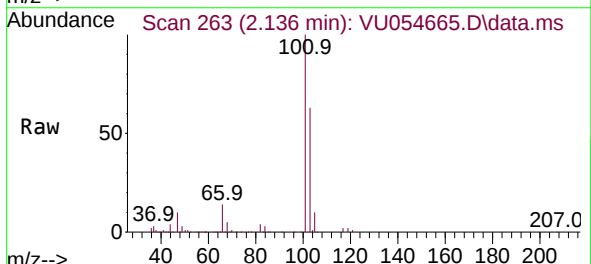
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ClientSampleId :
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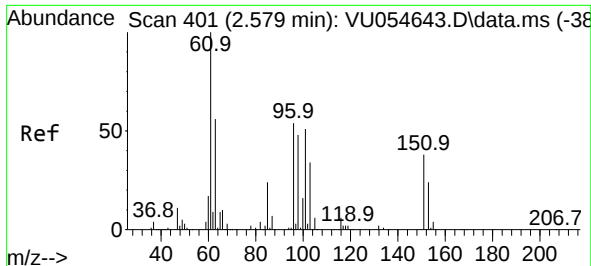
Tgt Ion: 64 Resp: 90437
Ion Ratio Lower Upper
64 100
66 34.2 22.9 42.5



#9
Trichlorofluoromethane
Concen: 4.519 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU054665.D
Acq: 22 Jun 2023 18:51

Tgt Ion:101 Resp: 187096
Ion Ratio Lower Upper
101 100
103 62.6 50.6 75.8

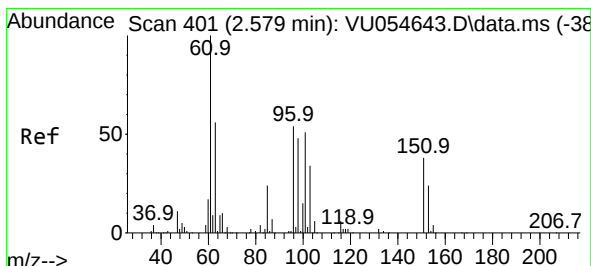
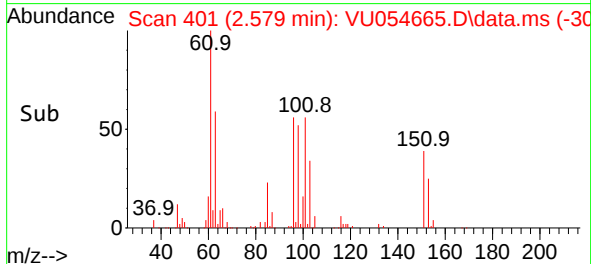
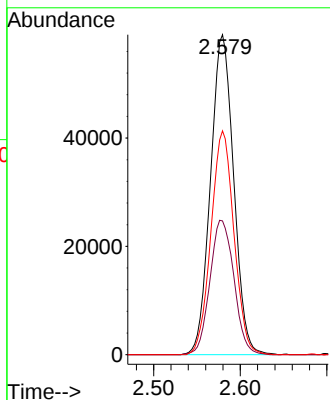
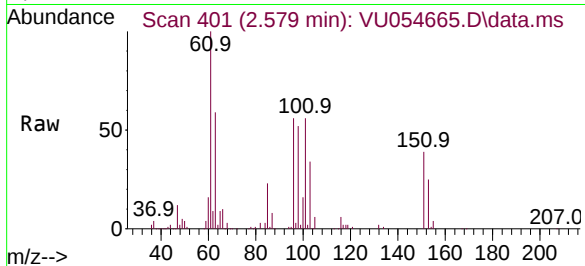




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.536 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VU054665.D
 Acq: 22 Jun 2023 18:51

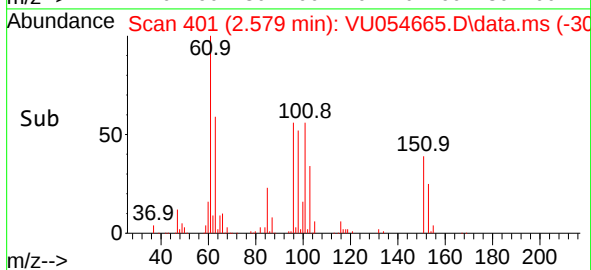
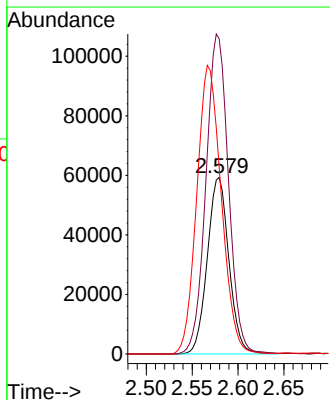
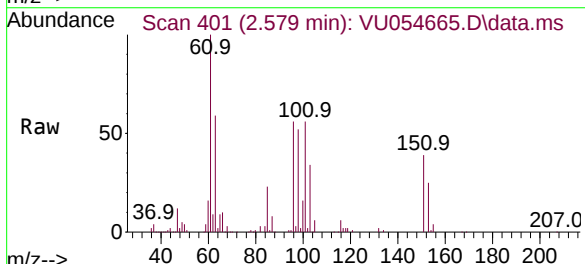
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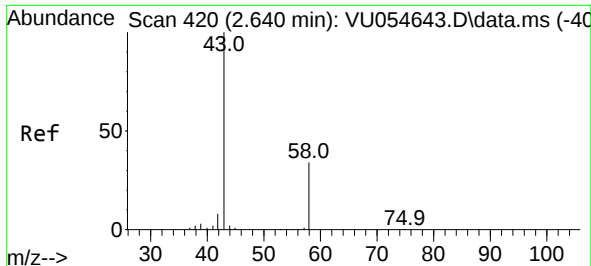
Tgt Ion:101 Resp: 109870
 Ion Ratio Lower Upper
 101 100
 85 43.5 34.6 51.8
 151 69.6 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 4.378 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VU054665.D
 Acq: 22 Jun 2023 18:51

Tgt Ion: 96 Resp: 97065
 Ion Ratio Lower Upper
 96 100
 61 178.5 119.9 222.7
 63 105.7 64.3 119.3





#13

Acetone

Concen: 40.255 ug/L

RT: 2.644 min Scan# 420

Delta R.T. 0.003 min

Lab File: VU054665.D

Acq: 22 Jun 2023 18:51

Instrument :

MSVOA_U

ClientSampleId :

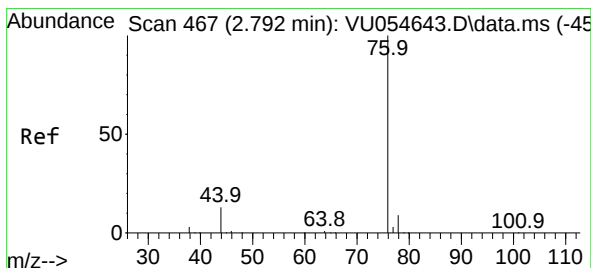
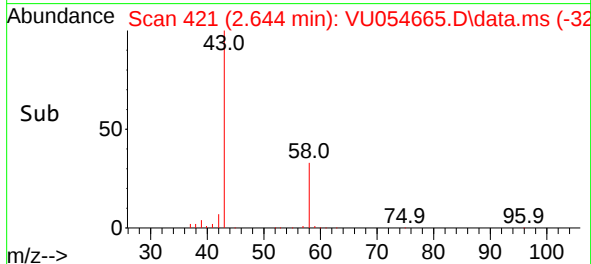
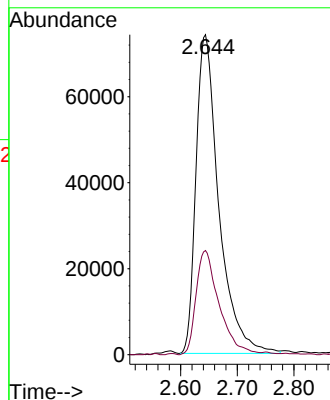
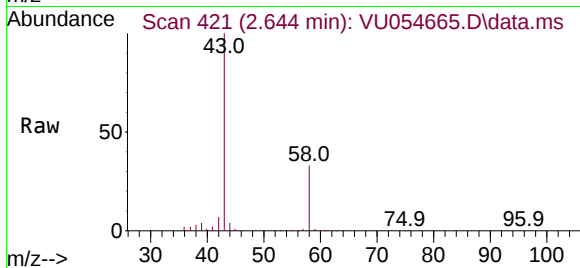
YBW82MSD

Tgt Ion: 43 Resp: 207608

Ion Ratio Lower Upper

43 100

58 33.0 0.0 67.2



#14

Carbon disulfide

Concen: 3.640 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.000 min

Lab File: VU054665.D

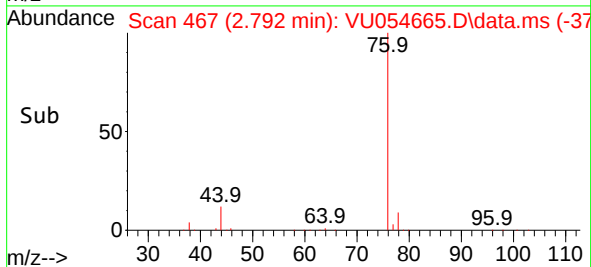
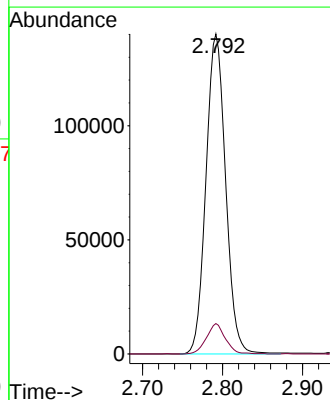
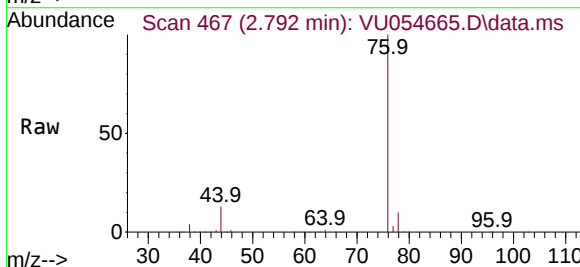
Acq: 22 Jun 2023 18:51

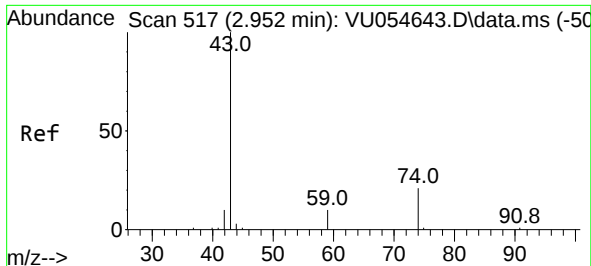
Tgt Ion: 76 Resp: 239358

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0

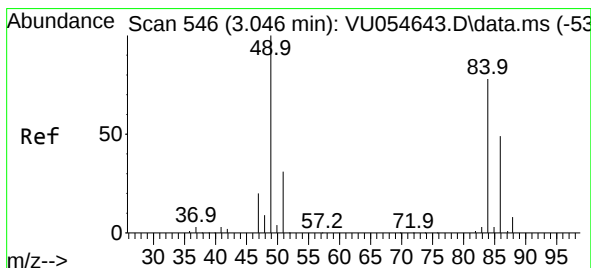
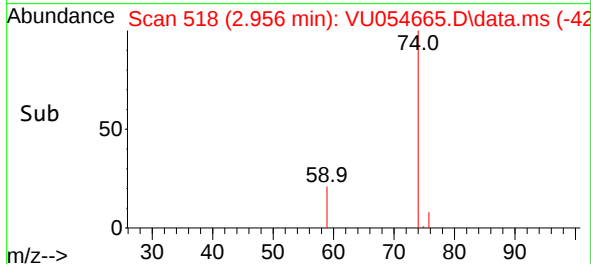
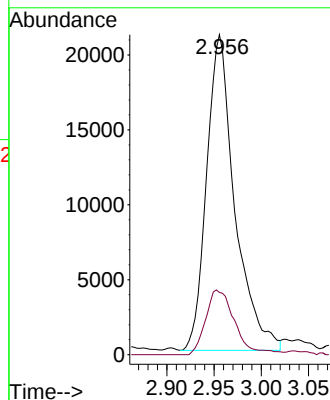
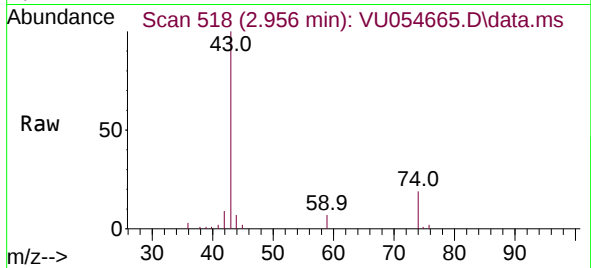




#15
Methyl Acetate
Concen: 4.572 ug/L
RT: 2.956 min Scan# 517
Delta R.T. 0.003 min
Lab File: VU054665.D
Acq: 22 Jun 2023 18:51

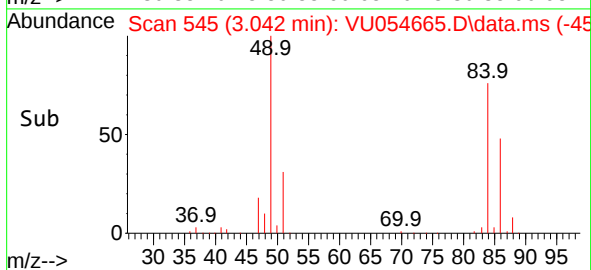
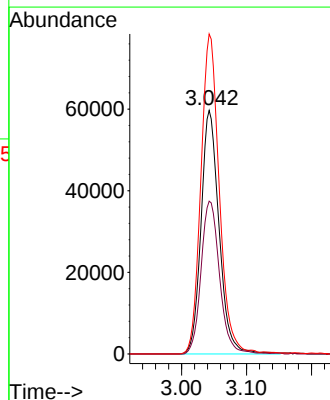
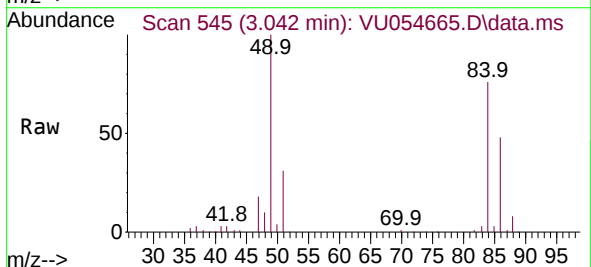
Instrument :
MSVOA_U
ClientSampleId :
YBW82MSD

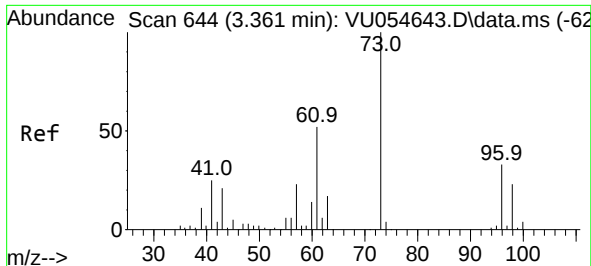
Tgt Ion: 43 Resp: 43696
Ion Ratio Lower Upper
43 100
74 21.1 19.0 28.6



#16
Methylene chloride
Concen: 3.704 ug/L
RT: 3.042 min Scan# 545
Delta R.T. -0.003 min
Lab File: VU054665.D
Acq: 22 Jun 2023 18:51

Tgt Ion: 84 Resp: 115485
Ion Ratio Lower Upper
84 100
86 62.7 43.9 81.5
49 131.4 86.1 159.9

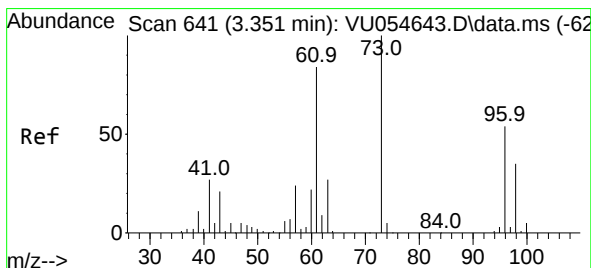
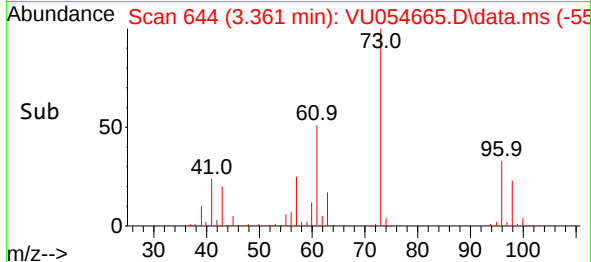
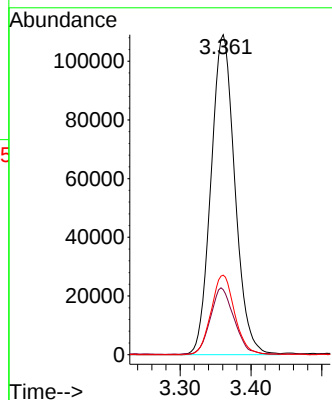
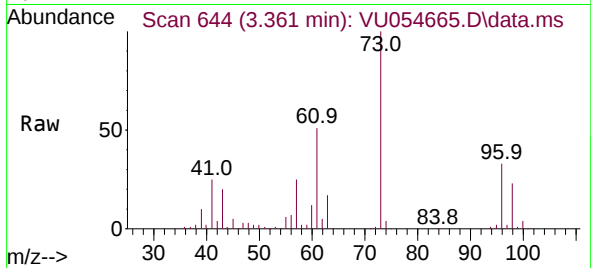




#17
Methyl tert-butyl Ether
Concen: 4.672 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU054665.D
Acq: 22 Jun 2023 18:51

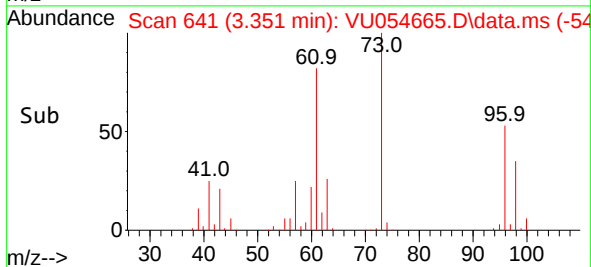
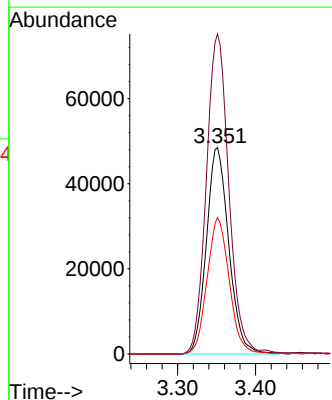
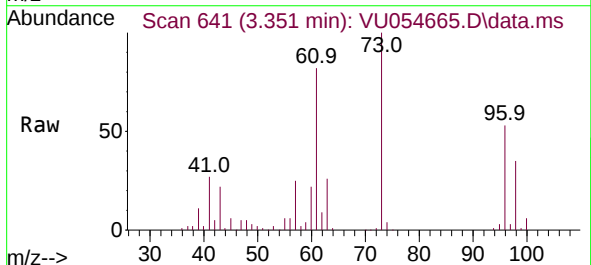
Instrument :
MSVOA_U
ClientSampleId :
YBW82MSD

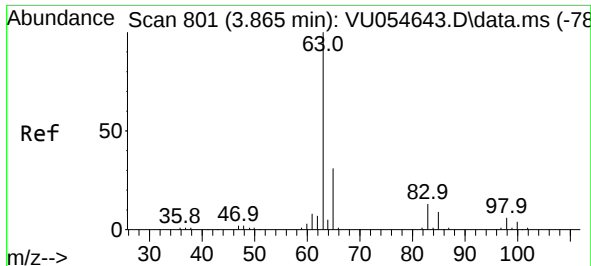
Tgt Ion: 73 Resp: 255675
Ion Ratio Lower Upper
73 100
43 20.4 15.7 23.5
57 24.5 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 4.243 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU054665.D
Acq: 22 Jun 2023 18:51

Tgt Ion: 96 Resp: 97135
Ion Ratio Lower Upper
96 100
61 155.1 104.6 194.2
98 66.2 45.4 84.4





#19

1,1-Dichloroethane

Concen: 4.890 ug/L

RT: 3.866 min Scan# 801

Delta R.T. 0.000 min

Lab File: VU054665.D

Acq: 22 Jun 2023 18:51

Instrument :

MSVOA_U

ClientSampleId :

YBW82MSD

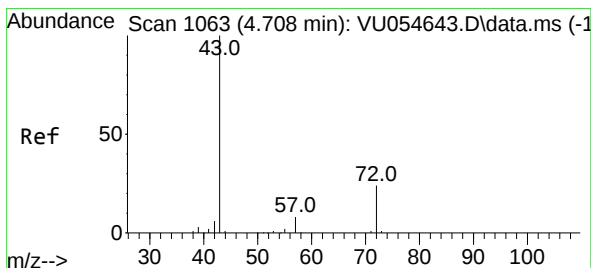
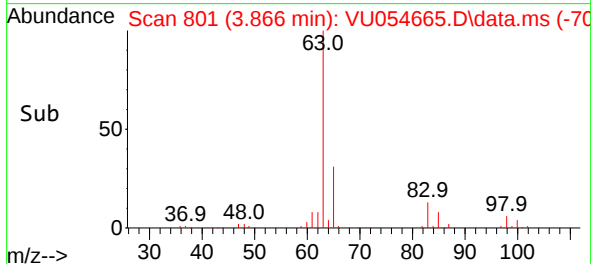
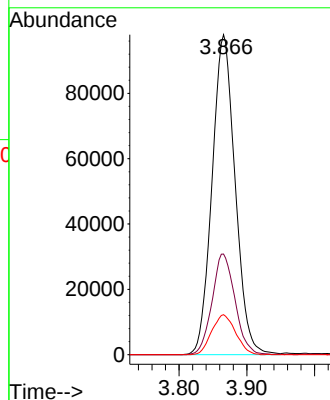
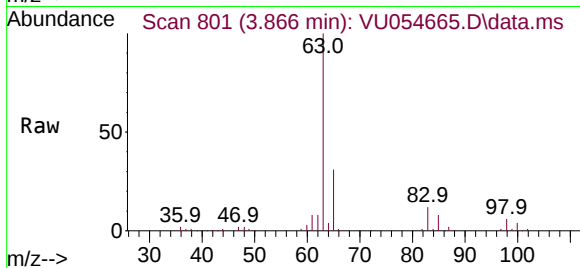
Tgt Ion: 63 Resp: 231638

Ion Ratio Lower Upper

63 100

65 31.4 22.2 41.2

83 12.5 9.0 16.6



#21

2-Butanone

Concen: 49.554 ug/L

RT: 4.708 min Scan# 1063

Delta R.T. 0.000 min

Lab File: VU054665.D

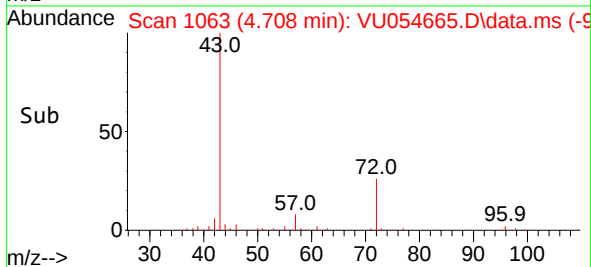
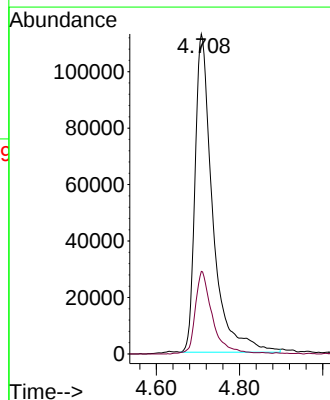
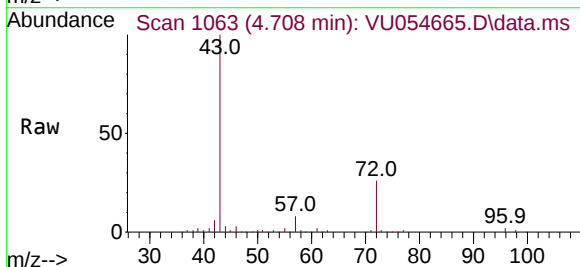
Acq: 22 Jun 2023 18:51

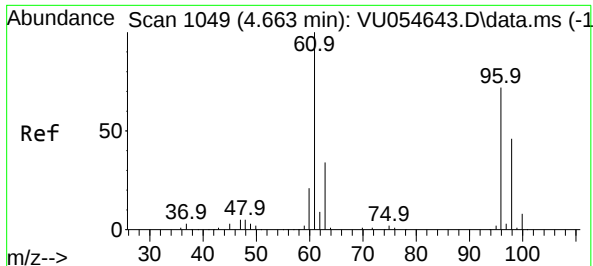
Tgt Ion: 43 Resp: 331674

Ion Ratio Lower Upper

43 100

72 25.1 13.4 40.1

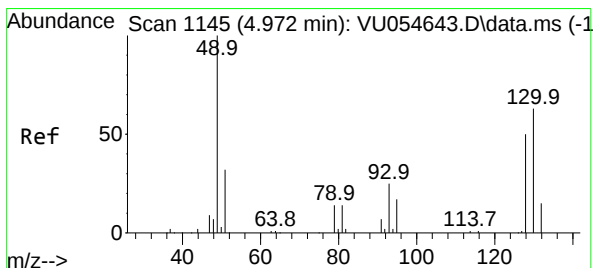
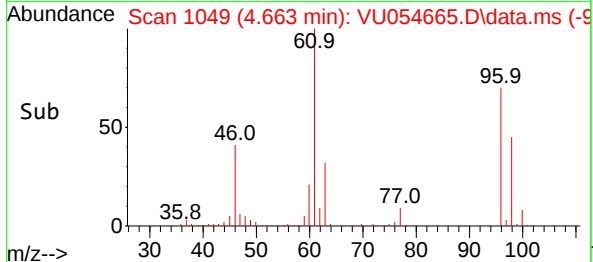
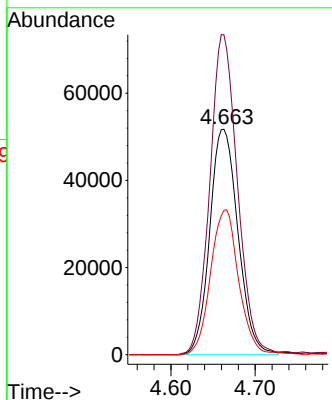
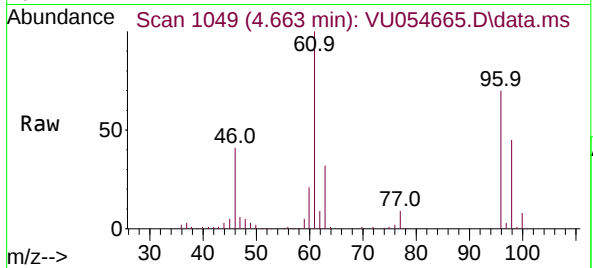




#22
 cis-1,2-Dichloroethene
 Concen: 4.626 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.000 min
 Lab File: VU054665.D
 Acq: 22 Jun 2023 18:51

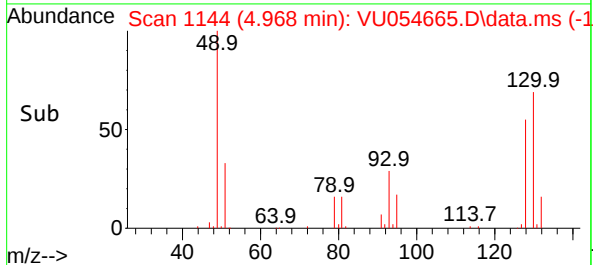
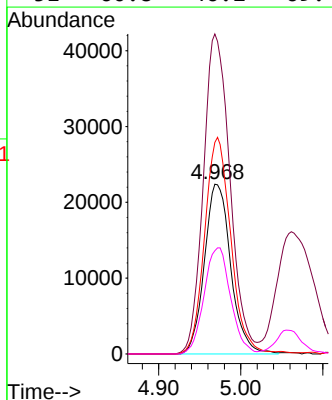
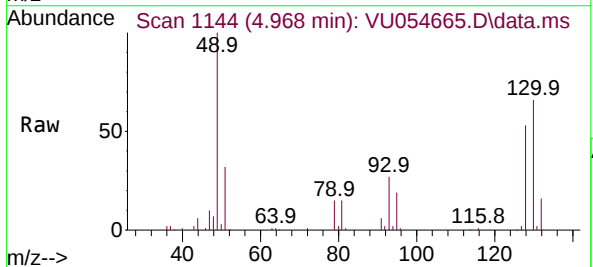
Instrument :
 MSVOA_U
 ClientSampleId :
 YBW82MSD

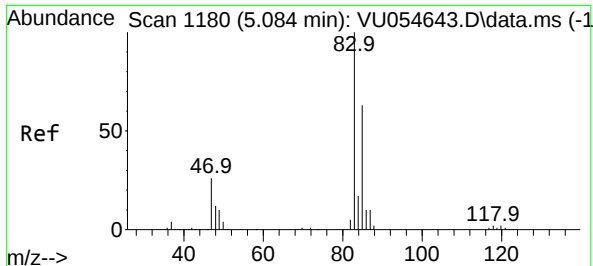
Tgt Ion: 96 Resp: 120590
 Ion Ratio Lower Upper
 96 100
 61 141.9 96.5 179.1
 98 64.0 44.9 83.3



#23
 Bromochloromethane
 Concen: 4.608 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. -0.003 min
 Lab File: VU054665.D
 Acq: 22 Jun 2023 18:51

Tgt Ion: 128 Resp: 49989
 Ion Ratio Lower Upper
 128 100
 49 188.6 132.1 245.3
 130 124.6 91.5 169.9
 51 60.8 46.2 69.4





#25

Chloroform

Concen: 4.820 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VU054665.D

Acq: 22 Jun 2023 18:51

Instrument :

MSVOA_U

ClientSampleId :

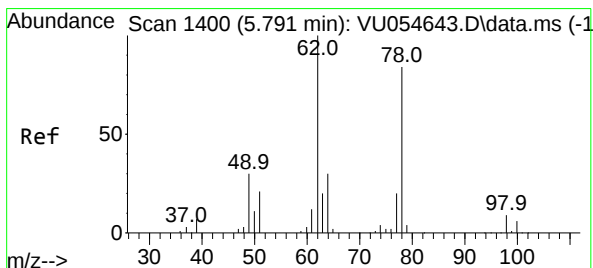
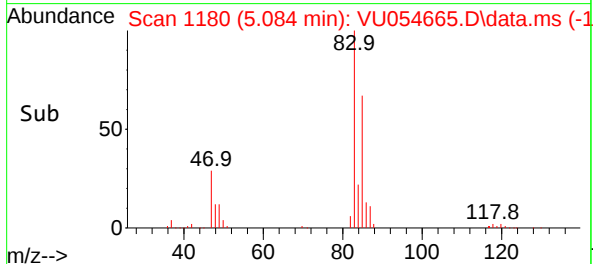
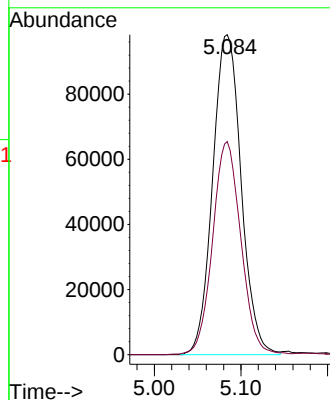
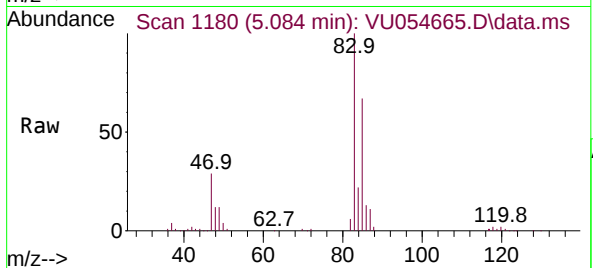
YBW82MSD

Tgt Ion: 83 Resp: 225132

Ion Ratio Lower Upper

83 100

85 66.6 44.7 82.9



#27

1,2-Dichloroethane

Concen: 4.858 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.003 min

Lab File: VU054665.D

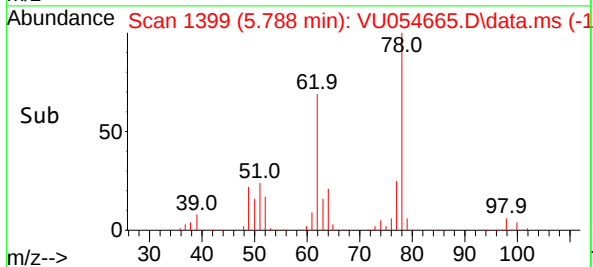
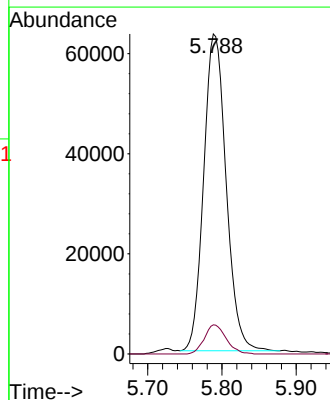
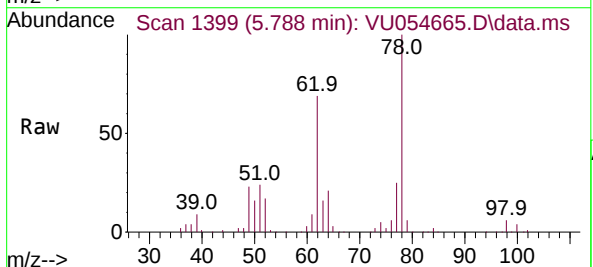
Acq: 22 Jun 2023 18:51

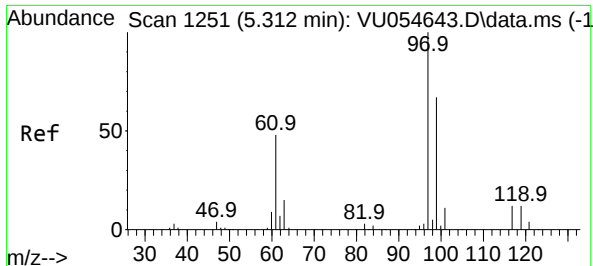
Tgt Ion: 62 Resp: 132992

Ion Ratio Lower Upper

62 100

98 9.1 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 4.671 ug/L

RT: 5.312 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054665.D

Acq: 22 Jun 2023 18:51

Instrument :

MSVOA_U

ClientSampleId :

YBW82MSD

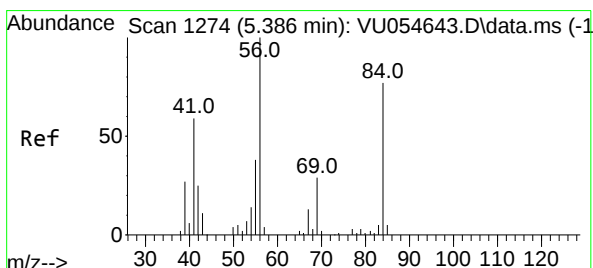
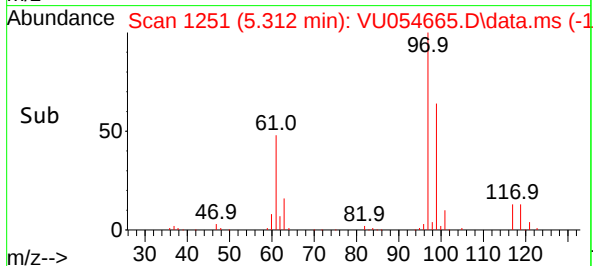
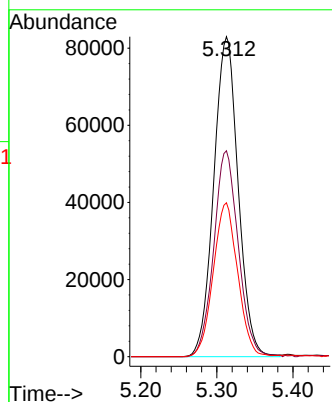
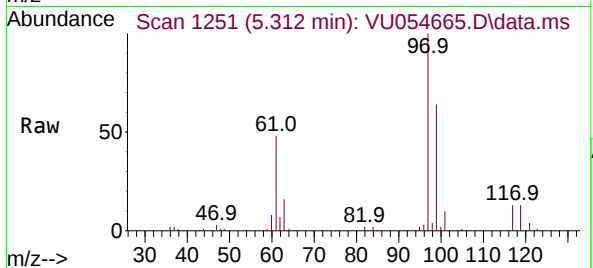
Tgt Ion: 97 Resp: 185253

Ion Ratio Lower Upper

97 100

99 64.7 50.8 76.2

61 48.2 36.1 54.1



#30

Cyclohexane

Concen: 4.021 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.003 min

Lab File: VU054665.D

Acq: 22 Jun 2023 18:51

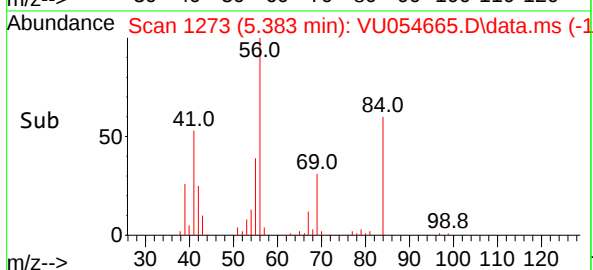
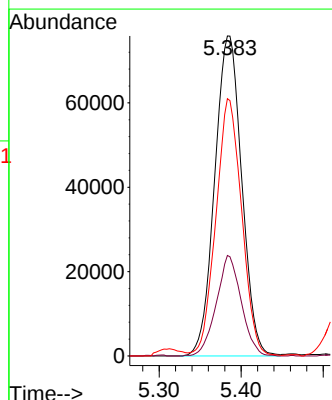
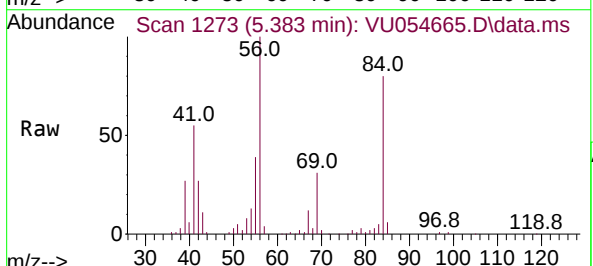
Tgt Ion: 56 Resp: 173689

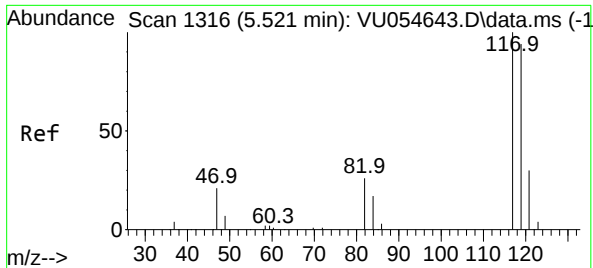
Ion Ratio Lower Upper

56 100

69 29.0 23.9 35.9

84 76.4 63.0 94.6

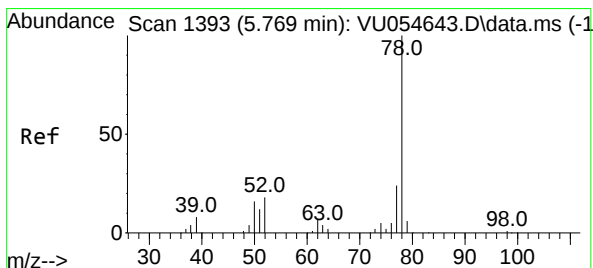
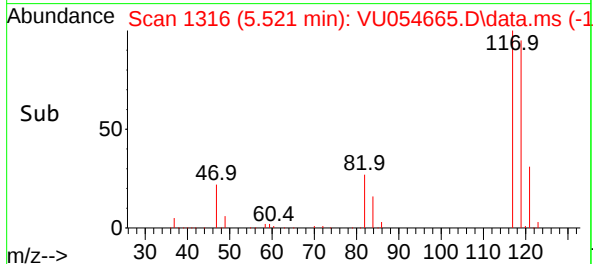
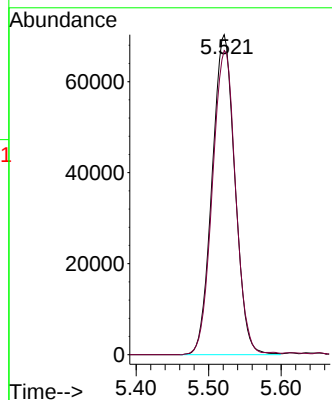
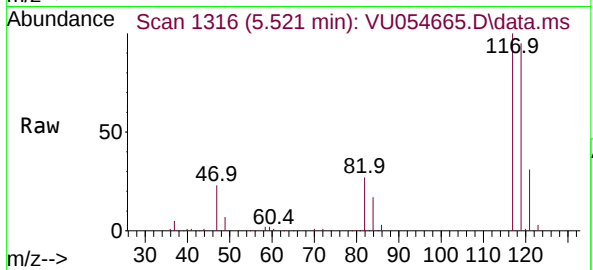




#31
Carbon tetrachloride
Concen: 4.501 ug/L
RT: 5.521 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VU054665.D
Acq: 22 Jun 2023 18:51

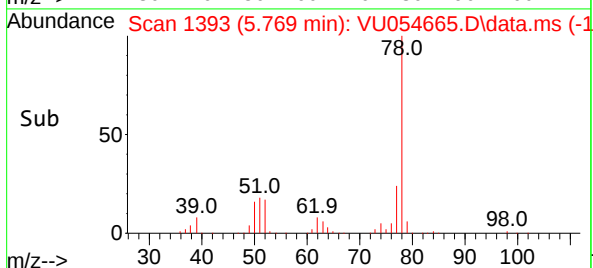
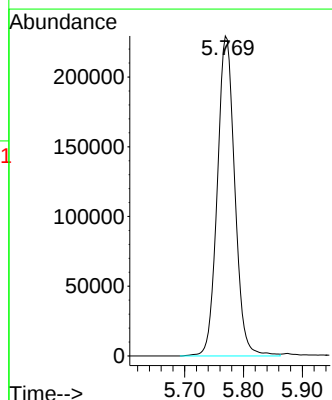
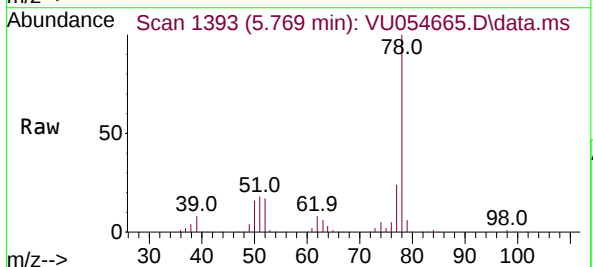
Instrument :
MSVOA_U
ClientSampleId :
YBW82MSD

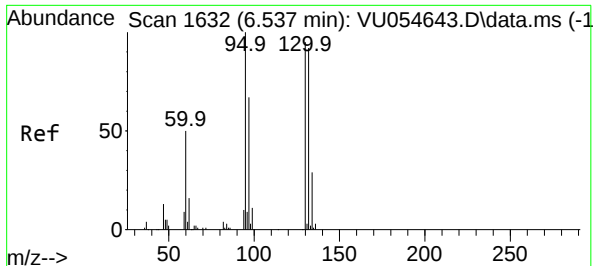
Tgt Ion:117 Resp: 153804
Ion Ratio Lower Upper
117 100
119 96.3 76.8 115.2



#33
Benzene
Concen: 4.511 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU054665.D
Acq: 22 Jun 2023 18:51

Tgt Ion: 78 Resp: 474175



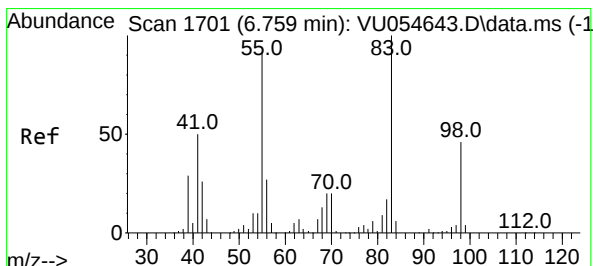
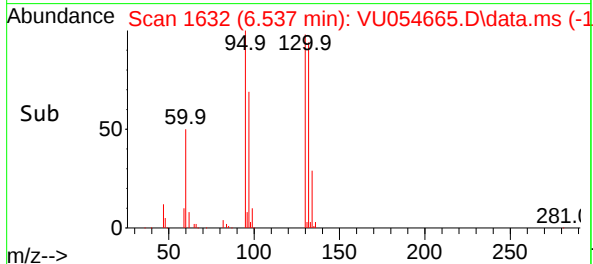
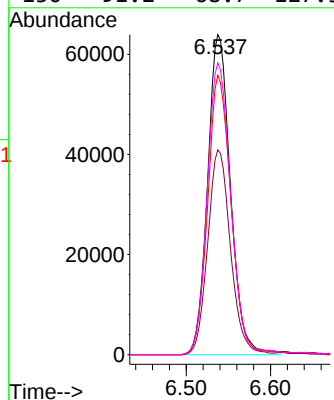
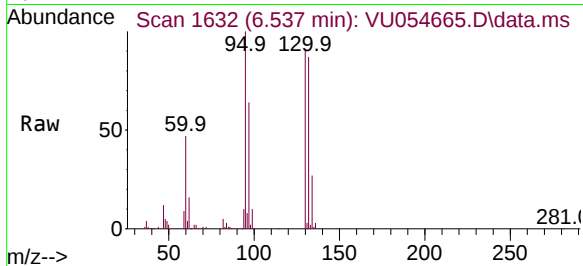


#34
Trichloroethene
Concen: 4.339 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VU054665.D
Acq: 22 Jun 2023 18:51

Instrument :
MSVOA_U
ClientSampleId :
YBW82MSD

Tgt Ion: 95 Resp: 120593

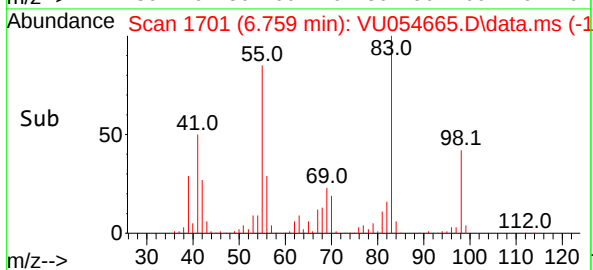
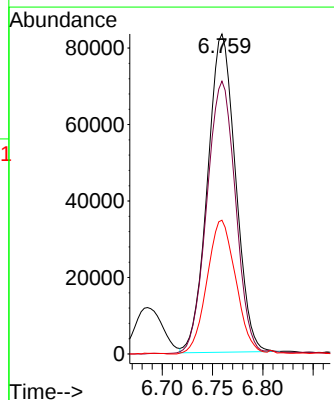
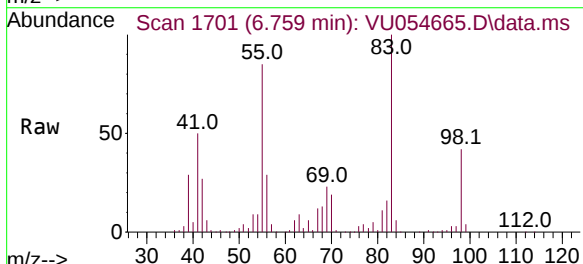
Ion	Ratio	Lower	Upper
95	100		
97	64.0	46.8	87.0
132	87.3	68.4	127.0
130	91.2	68.7	127.5

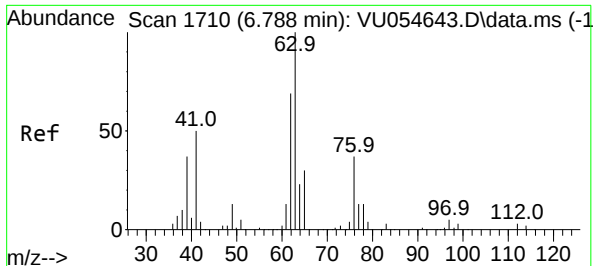


#35
Methylcyclohexane
Concen: 3.839 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU054665.D
Acq: 22 Jun 2023 18:51

Tgt Ion: 83 Resp: 161289

Ion	Ratio	Lower	Upper
83	100		
55	88.0	67.1	100.7
98	43.2	35.1	52.7





#37

1,2-Dichloropropane

Concen: 4.844 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU054665.D

Acq: 22 Jun 2023 18:51

Instrument :

MSVOA_U

ClientSampleId :

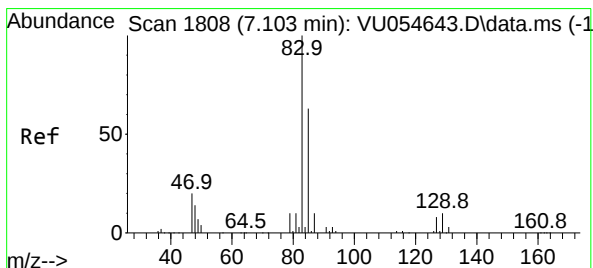
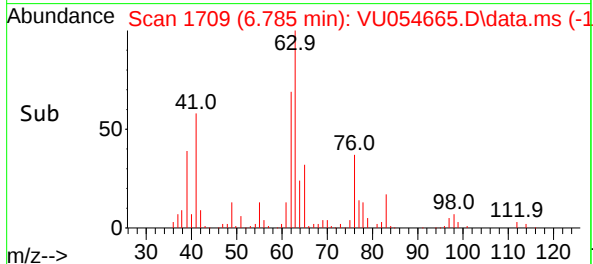
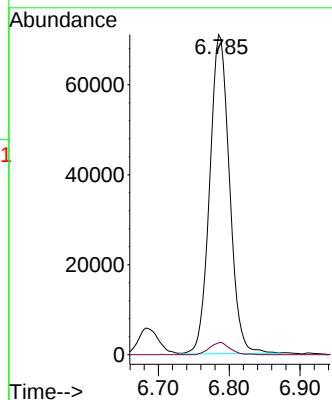
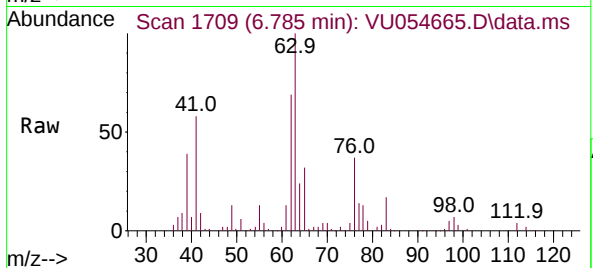
YBW82MSD

Tgt Ion: 63 Resp: 137658

Ion Ratio Lower Upper

63 100

112 3.9 3.0 4.6



#38

Bromodichloromethane

Concen: 4.858 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.003 min

Lab File: VU054665.D

Acq: 22 Jun 2023 18:51

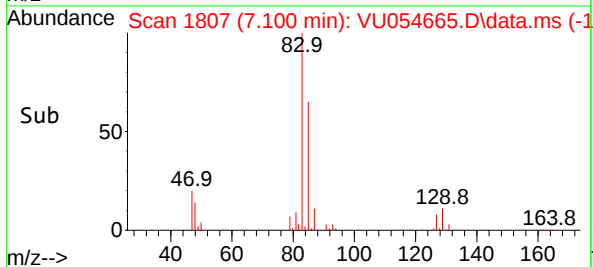
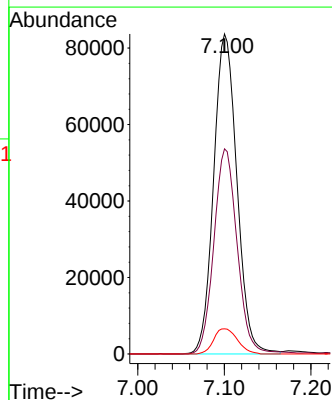
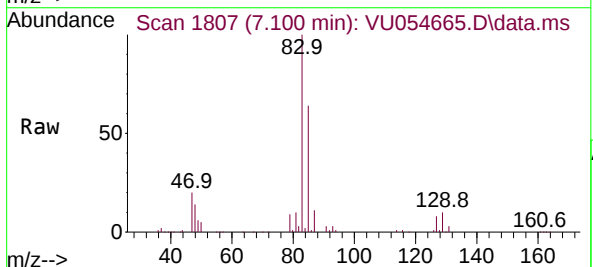
Tgt Ion: 83 Resp: 156283

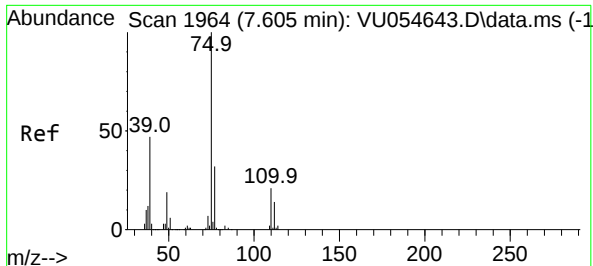
Ion Ratio Lower Upper

83 100

85 64.1 44.1 81.9

127 7.9 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 4.637 ug/L

RT: 7.602 min Scan# 1964

Delta R.T. -0.003 min

Lab File: VU054665.D

Acq: 22 Jun 2023 18:51

Instrument :

MSVOA_U

ClientSampleId :

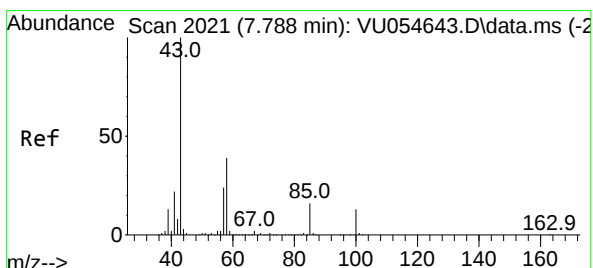
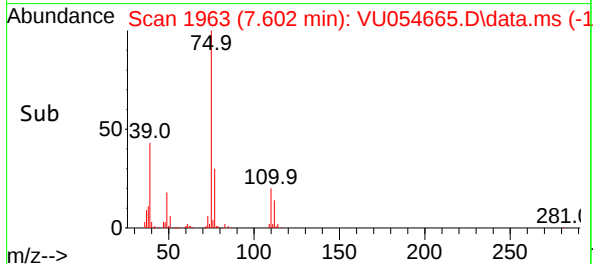
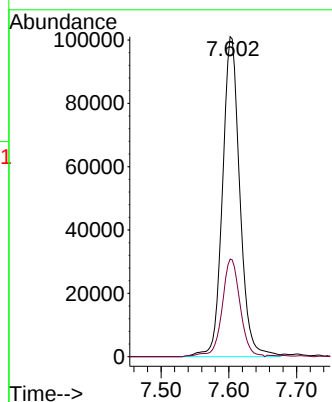
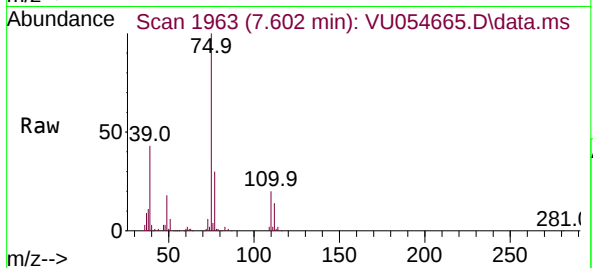
YBW82MSD

Tgt Ion: 75 Resp: 179922

Ion Ratio Lower Upper

75 100

77 30.5 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 52.055 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.003 min

Lab File: VU054665.D

Acq: 22 Jun 2023 18:51

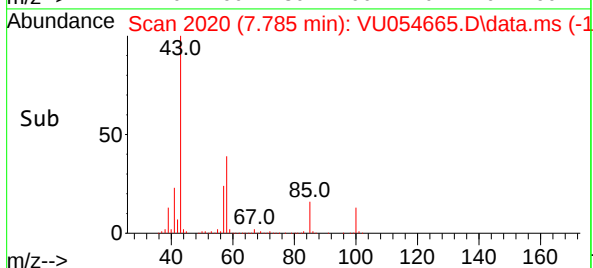
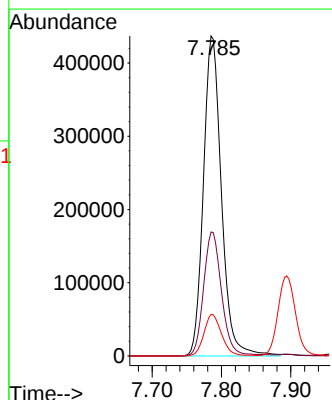
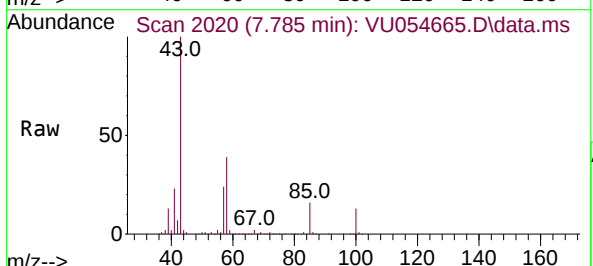
Tgt Ion: 43 Resp: 789445

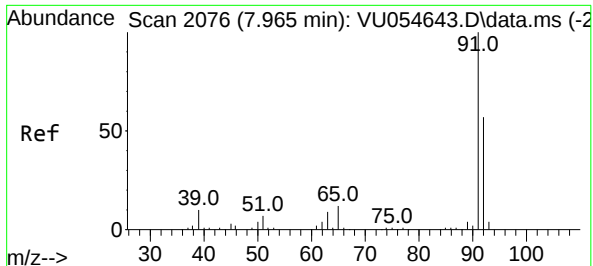
Ion Ratio Lower Upper

43 100

58 38.9 32.4 48.6

100 12.8 11.4 17.2





#42

Toluene

Concen: 4.673 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU054665.D

Acq: 22 Jun 2023 18:51

Instrument :

MSVOA_U

ClientSampleId :

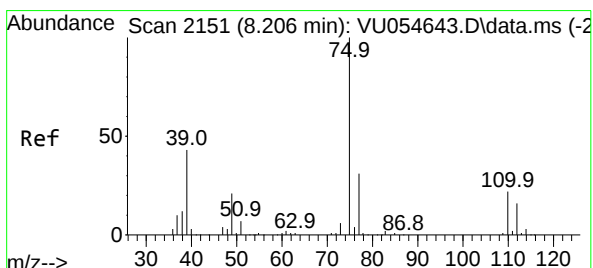
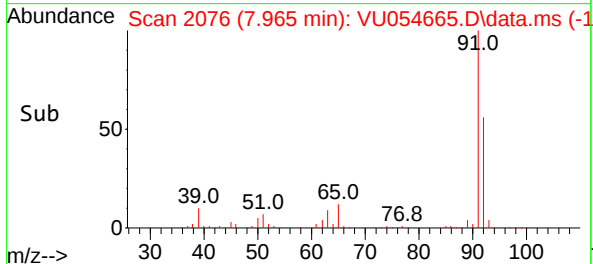
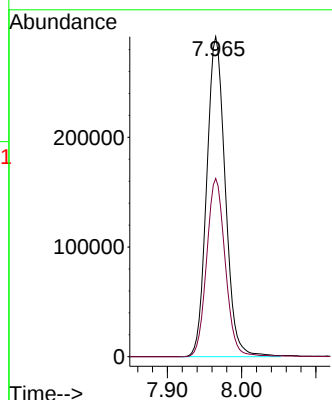
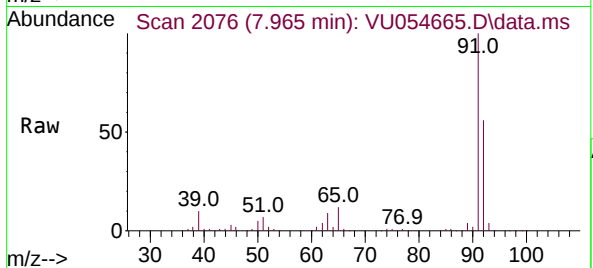
YBW82MSD

Tgt Ion: 91 Resp: 505841

Ion Ratio Lower Upper

91 100

92 55.7 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 4.733 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU054665.D

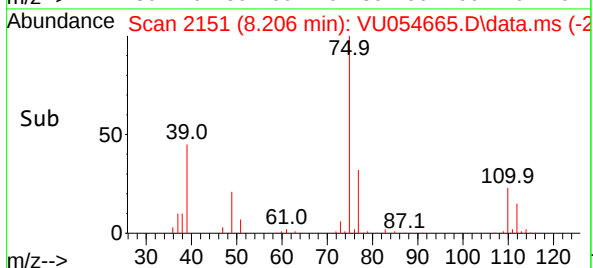
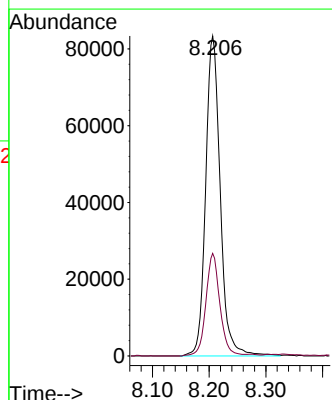
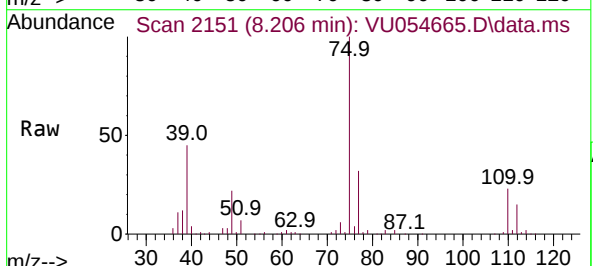
Acq: 22 Jun 2023 18:51

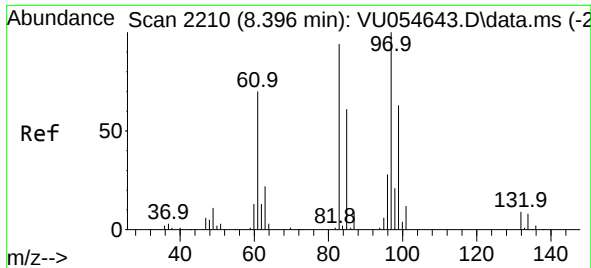
Tgt Ion: 75 Resp: 149044

Ion Ratio Lower Upper

75 100

77 32.1 21.3 39.6



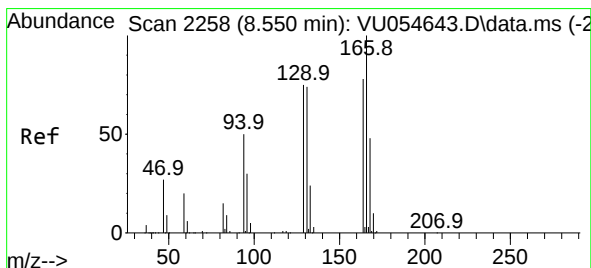
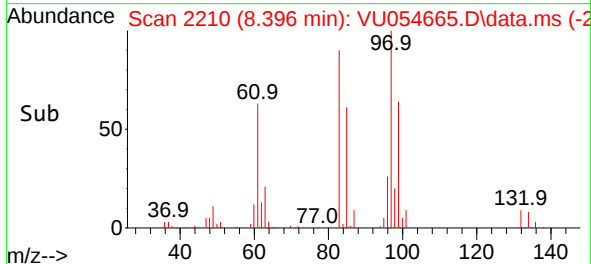
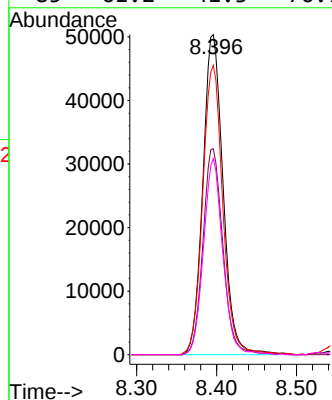
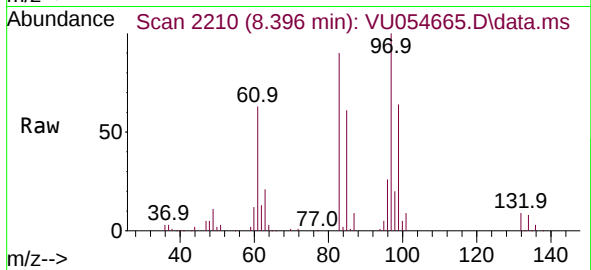


#45
1,1,2-Trichloroethane
Concen: 4.897 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VU054665.D
Acq: 22 Jun 2023 18:51

Instrument :
MSVOA_U
ClientSampleId :
YBW82MSD

Tgt Ion: 97 Resp: 88529

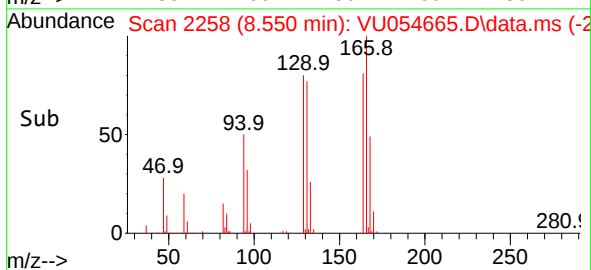
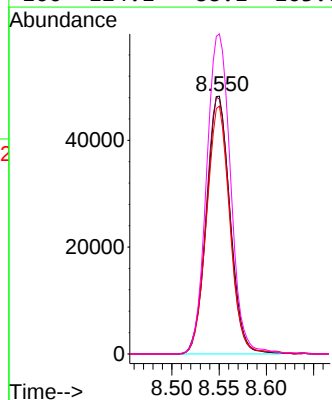
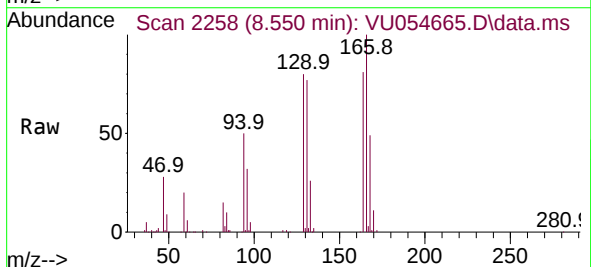
Ion	Ratio	Lower	Upper
97	100		
99	64.4	43.0	80.0
83	90.4	63.8	118.6
85	61.2	41.3	76.7

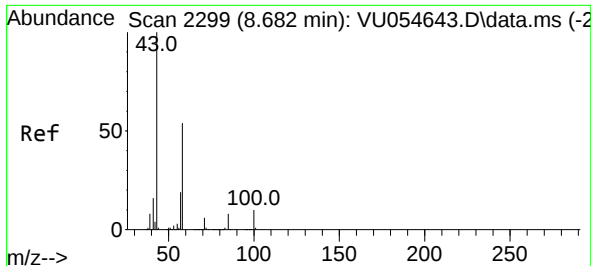


#47
Tetrachloroethene
Concen: 3.933 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU054665.D
Acq: 22 Jun 2023 18:51

Tgt Ion: 164 Resp: 83669

Ion	Ratio	Lower	Upper
164	100		
129	98.8	67.7	125.7
131	96.1	64.6	120.0
166	124.1	88.1	163.7



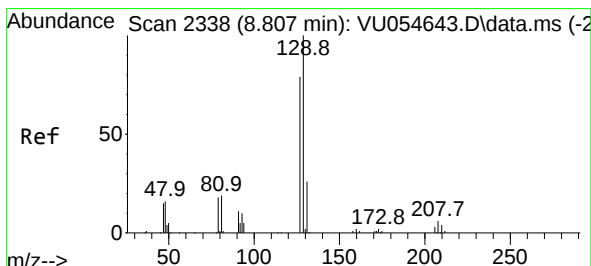
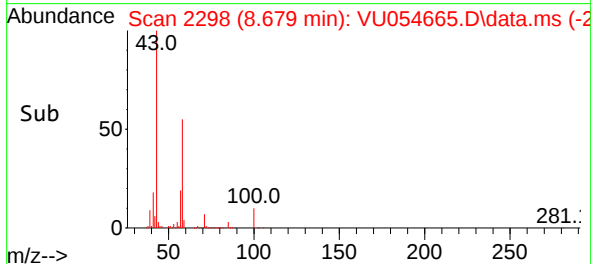
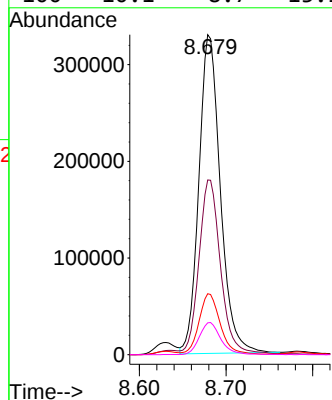
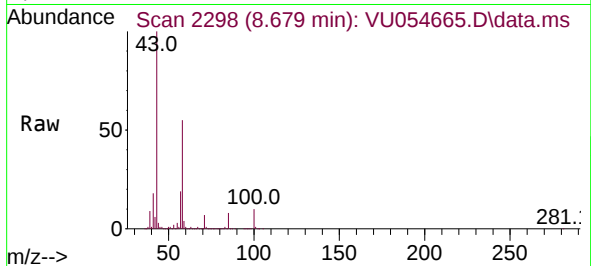


#48
2-Hexanone
Concen: 50.362 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU054665.D
Acq: 22 Jun 2023 18:51

Instrument :
MSVOA_U
ClientSampleId :
YBW82MSD

Tgt Ion: 43 Resp: 569098

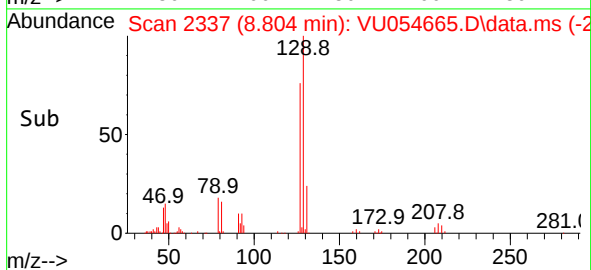
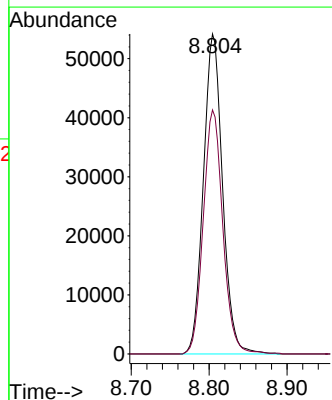
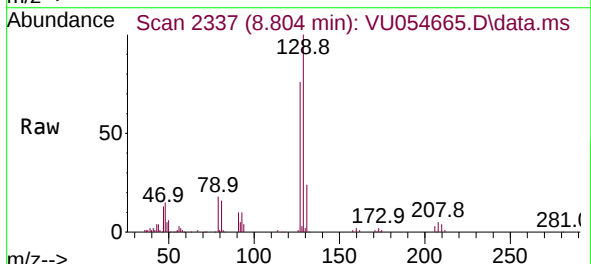
Ion	Ratio	Lower	Upper
43	100		
58	54.6	45.2	67.8
57	18.8	15.8	23.6
100	10.1	8.7	13.1

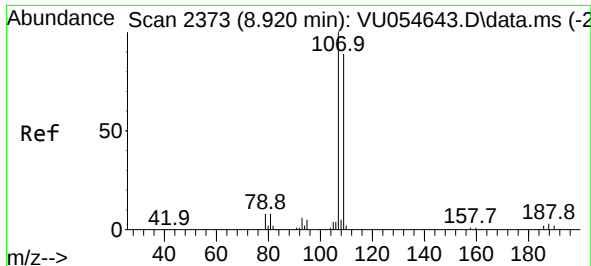


#49
Dibromochloromethane
Concen: 4.879 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.003 min
Lab File: VU054665.D
Acq: 22 Jun 2023 18:51

Tgt Ion: 129 Resp: 92614

Ion	Ratio	Lower	Upper
129	100		
127	76.2	53.2	98.8





#50

1,2-Dibromoethane

Concen: 4.689 ug/L

RT: 8.917 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU054665.D

Acq: 22 Jun 2023 18:51

Instrument :

MSVOA_U

ClientSampleId :

YBW82MSD

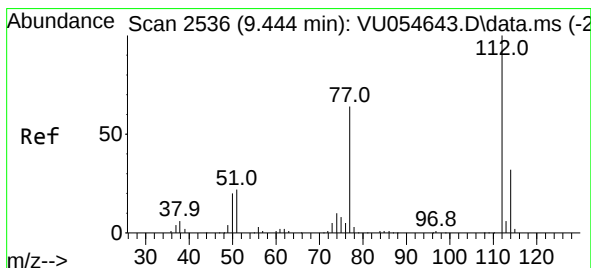
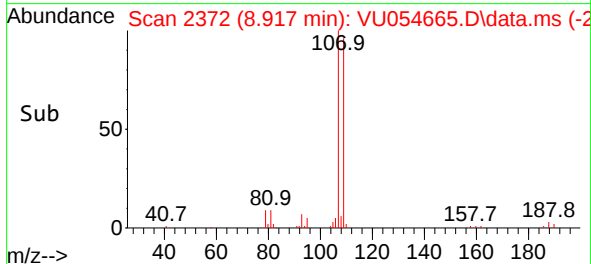
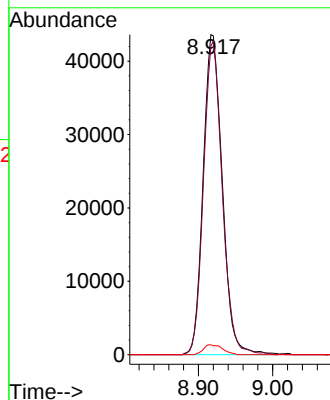
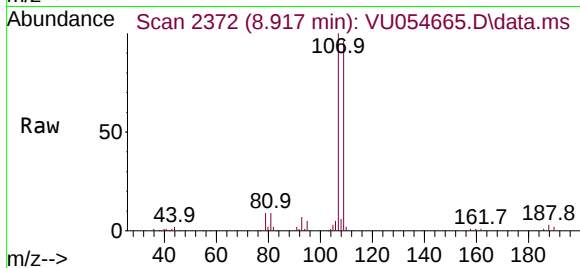
Tgt Ion:107 Resp: 77825

Ion Ratio Lower Upper

107 100

109 96.5 66.6 123.6

188 3.0 3.1 4.7#



#51

Chlorobenzene

Concen: 4.506 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.003 min

Lab File: VU054665.D

Acq: 22 Jun 2023 18:51

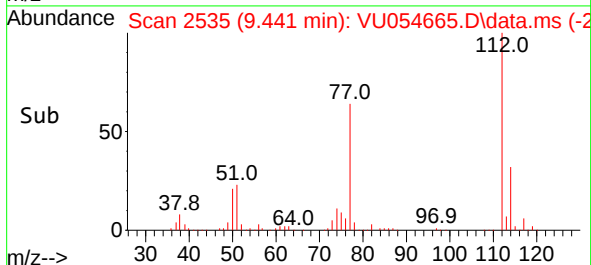
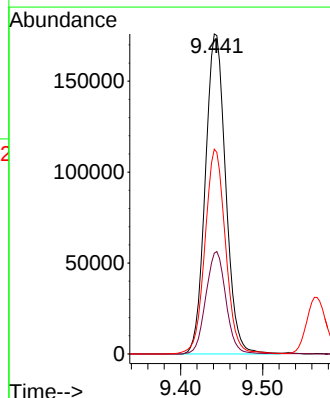
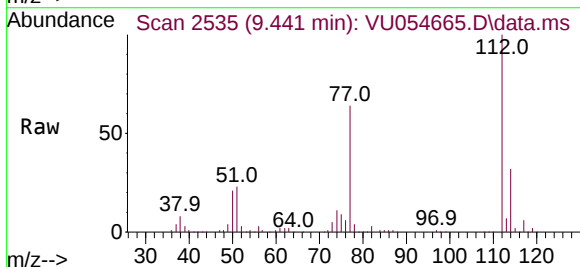
Tgt Ion:112 Resp: 304027

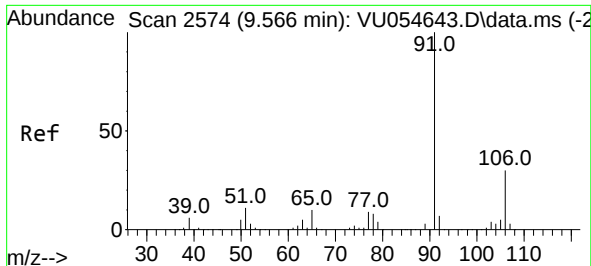
Ion Ratio Lower Upper

112 100

114 31.5 22.7 42.1

77 64.0 49.8 74.8

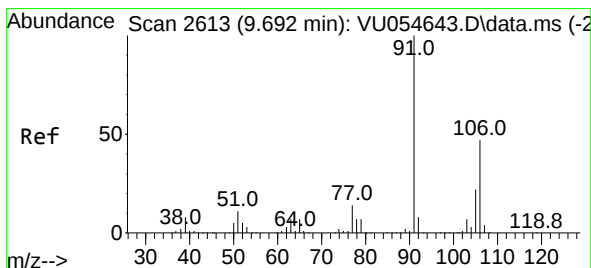
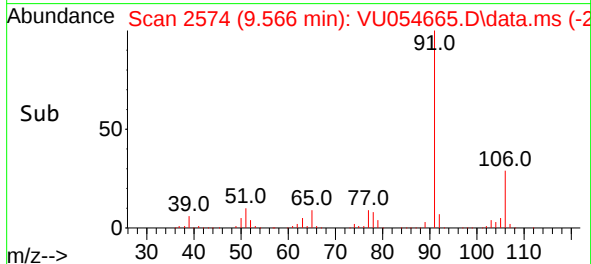
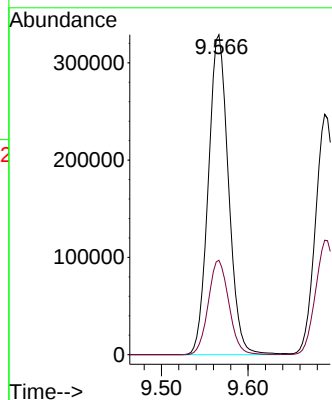
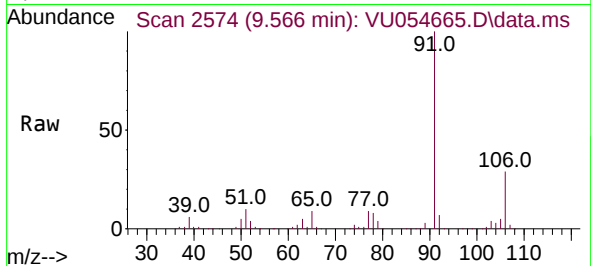




#52
Ethylbenzene
Concen: 4.497 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054665.D
Acq: 22 Jun 2023 18:51

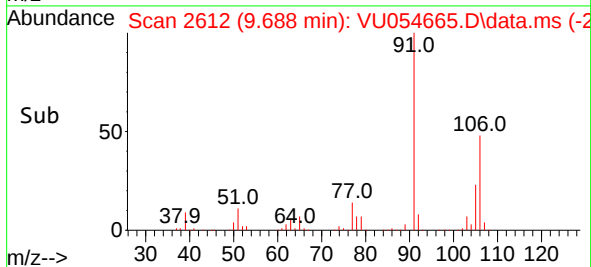
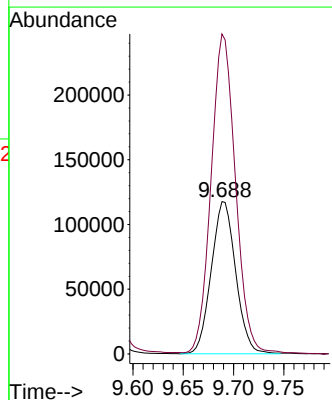
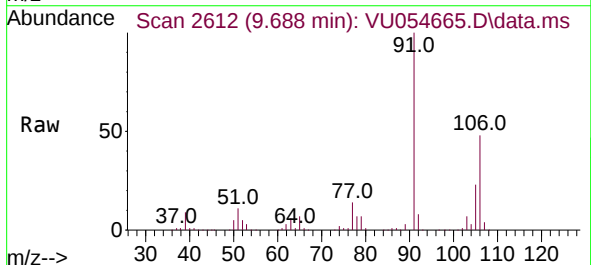
Instrument :
MSVOA_U
ClientSampleId :
YBW82MSD

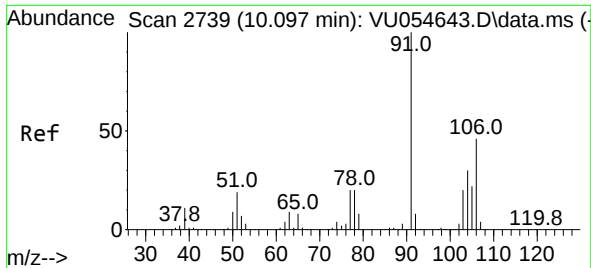
Tgt Ion: 91 Resp: 531628
Ion Ratio Lower Upper
91 100
106 29.5 21.1 39.3



#53
m,p-Xylene
Concen: 4.565 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU054665.D
Acq: 22 Jun 2023 18:51

Tgt Ion: 106 Resp: 198229
Ion Ratio Lower Upper
106 100
91 210.1 147.0 273.0

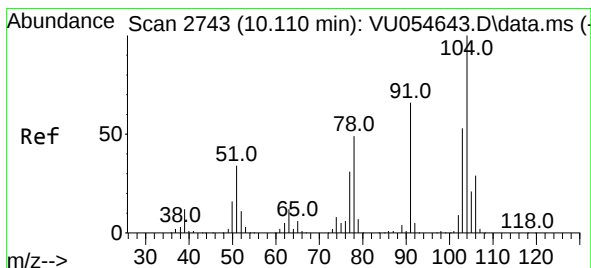
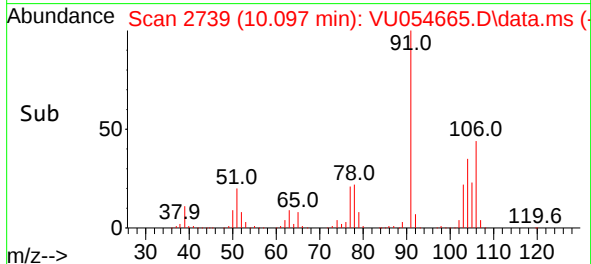
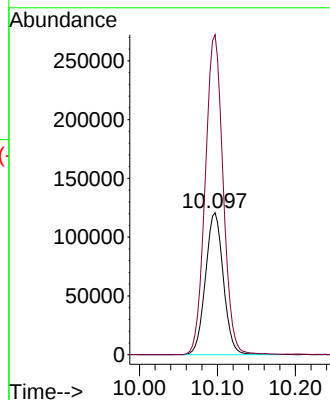
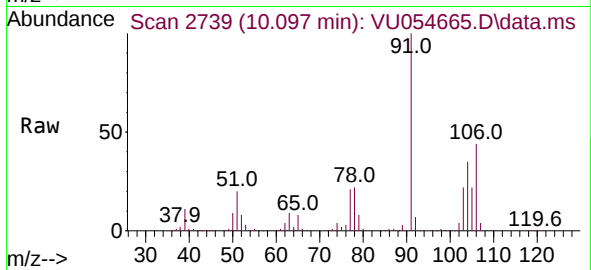




#54
o-Xylene
Concen: 4.586 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.000 min
Lab File: VU054665.D
Acq: 22 Jun 2023 18:51

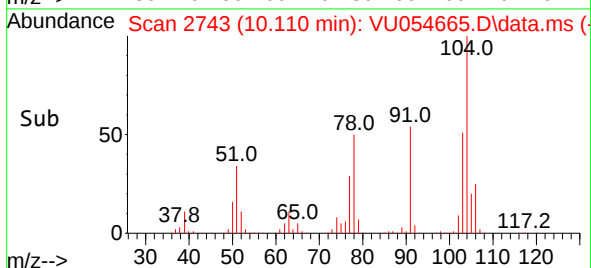
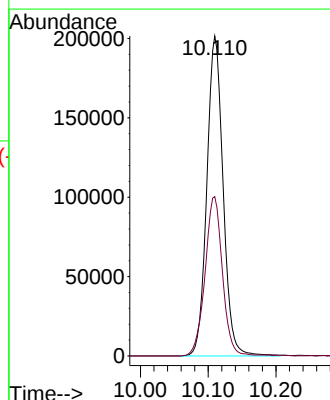
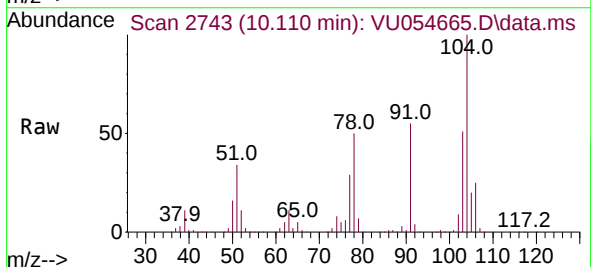
Instrument :
MSVOA_U
ClientSampleId :
YBW82MSD

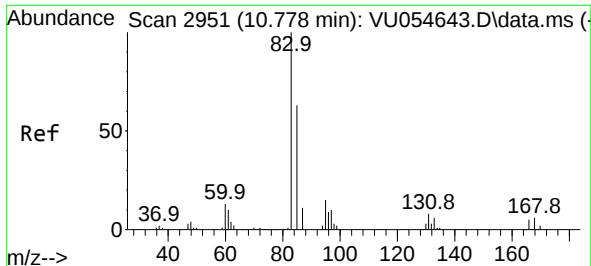
Tgt Ion:106 Resp: 192590
Ion Ratio Lower Upper
106 100
91 225.5 154.5 286.9



#55
Styrene
Concen: 4.775 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU054665.D
Acq: 22 Jun 2023 18:51

Tgt Ion:104 Resp: 336581
Ion Ratio Lower Upper
104 100
78 49.8 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 4.959 ug/L

RT: 10.775 min Scan# 2951

Delta R.T. -0.003 min

Lab File: VU054665.D

Acq: 22 Jun 2023 18:51

Instrument :

MSVOA_U

ClientSampleId :

YBW82MSD

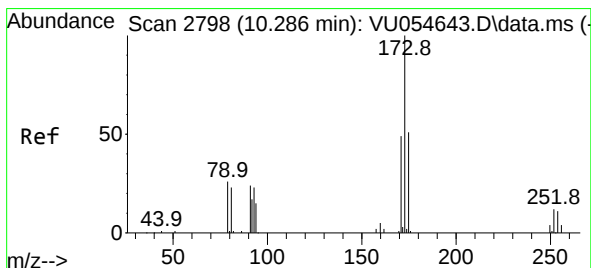
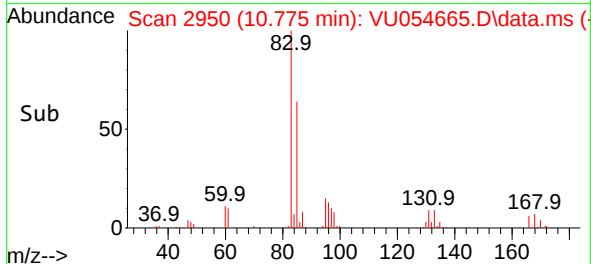
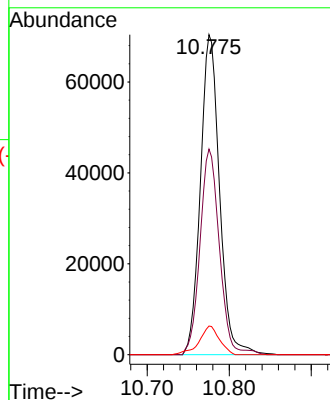
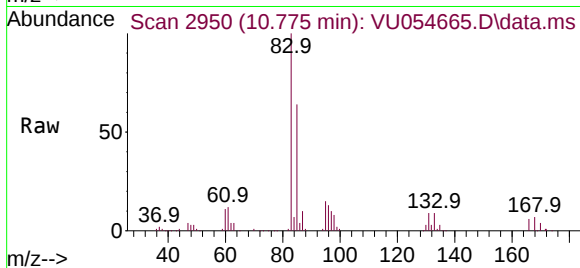
Tgt Ion: 83 Resp: 113886

Ion Ratio Lower Upper

83 100

85 64.3 44.2 82.2

131 8.9 7.0 10.6



#59

Bromoform

Concen: 4.849 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. 0.000 min

Lab File: VU054665.D

Acq: 22 Jun 2023 18:51

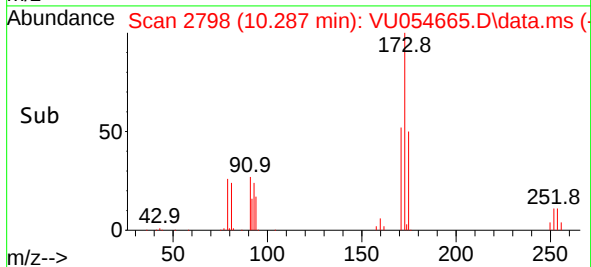
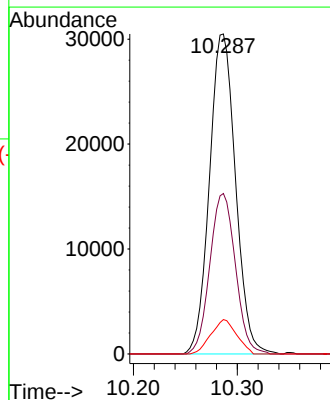
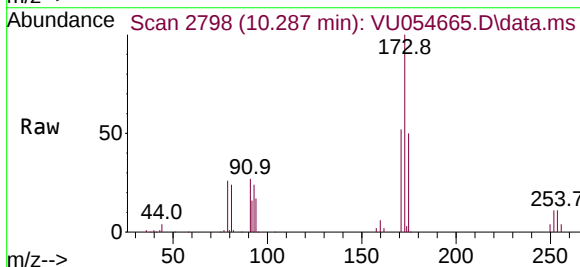
Tgt Ion:173 Resp: 53107

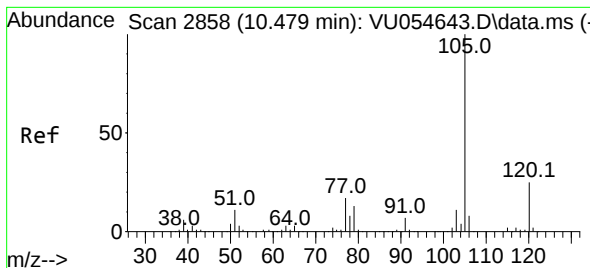
Ion Ratio Lower Upper

173 100

175 49.2 39.4 59.0

254 10.6 8.6 12.8





#60

Isopropylbenzene

Concen: 4.719 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU054665.D

Acq: 22 Jun 2023 18:51

Instrument :

MSVOA_U

ClientSampleId :

YBW82MSD

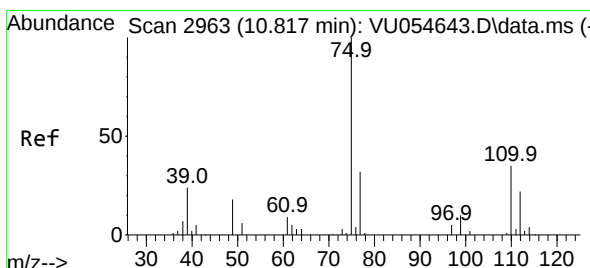
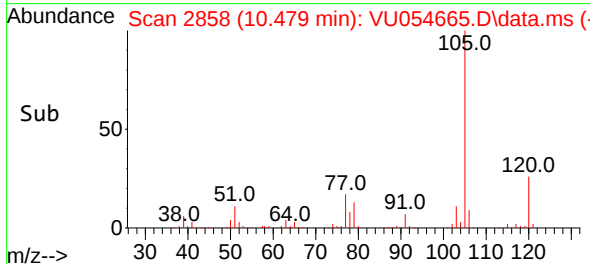
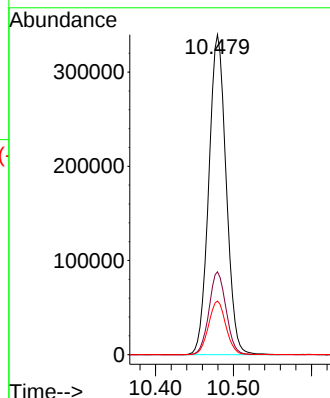
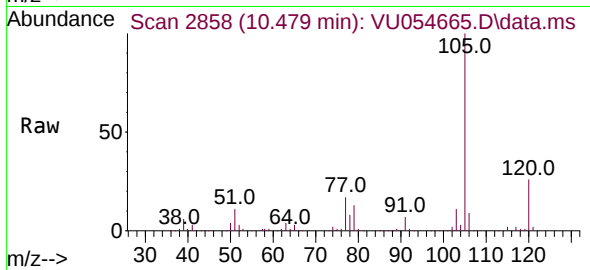
Tgt Ion:105 Resp: 526657

Ion Ratio Lower Upper

105 100

120 25.5 20.9 31.3

77 16.8 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 5.007 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU054665.D

Acq: 22 Jun 2023 18:51

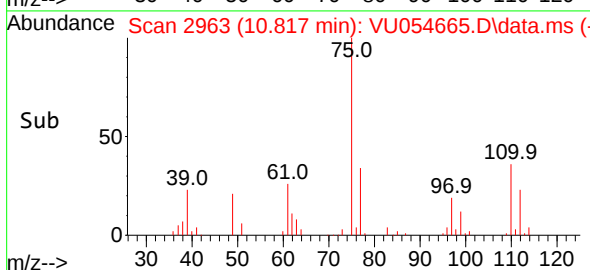
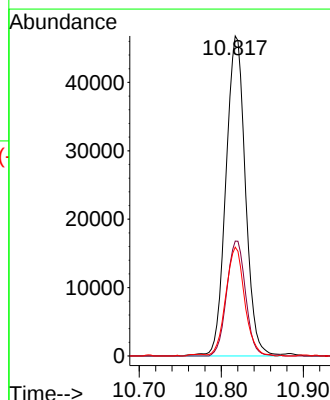
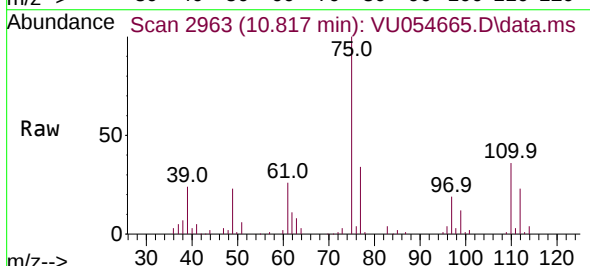
Tgt Ion: 75 Resp: 77190

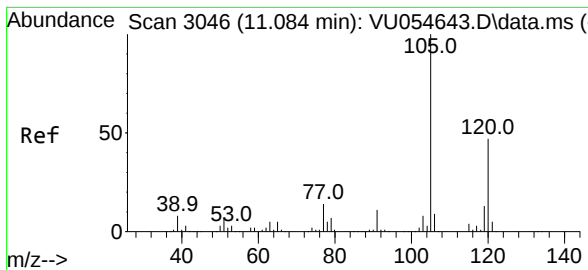
Ion Ratio Lower Upper

75 100

110 34.7 28.0 42.0

77 33.0 25.4 38.2

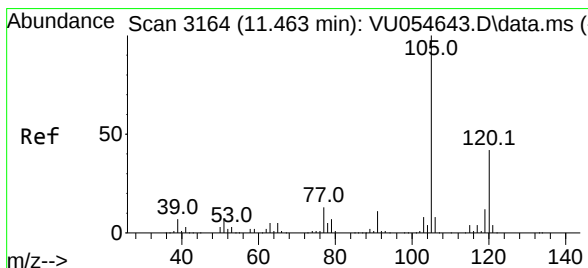
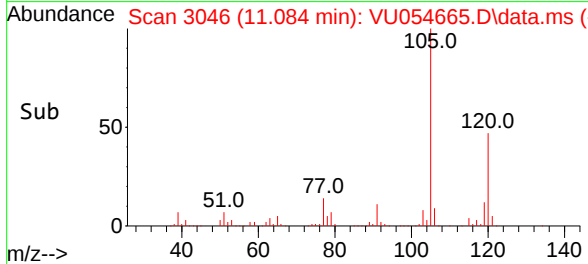
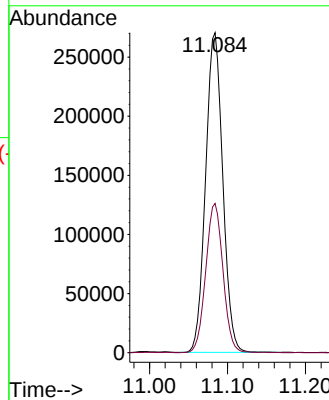
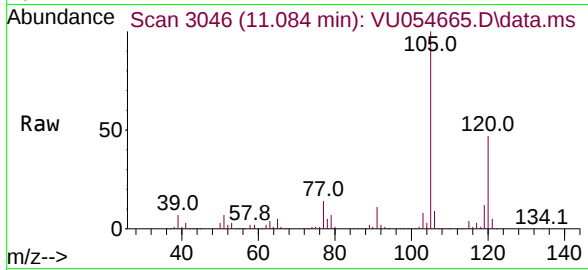




#62
 1,3,5-Trimethylbenzene
 Concen: 4.548 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. 0.000 min
 Lab File: VU054665.D
 Acq: 22 Jun 2023 18:51

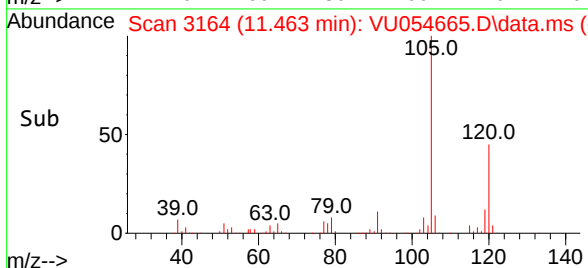
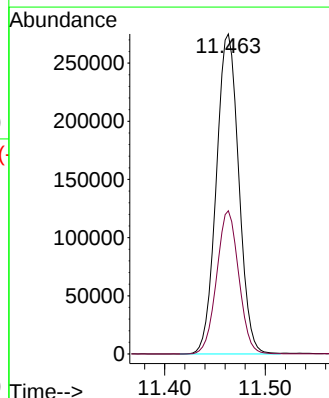
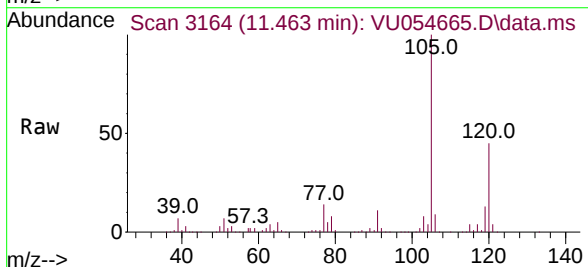
Instrument :
 MSVOA_U
 ClientSampleId :
 YBW82MSD

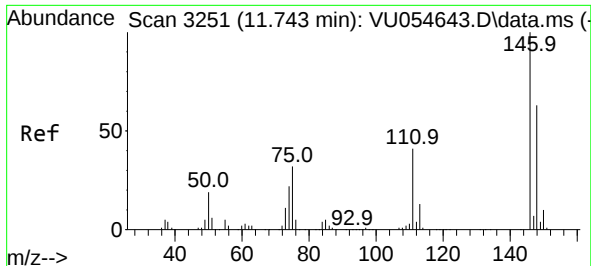
Tgt Ion:105 Resp: 414145
 Ion Ratio Lower Upper
 105 100
 120 46.9 37.9 56.9



#63
 1,2,4-Trimethylbenzene
 Concen: 4.618 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. 0.000 min
 Lab File: VU054665.D
 Acq: 22 Jun 2023 18:51

Tgt Ion:105 Resp: 427050
 Ion Ratio Lower Upper
 105 100
 120 44.1 35.4 53.0

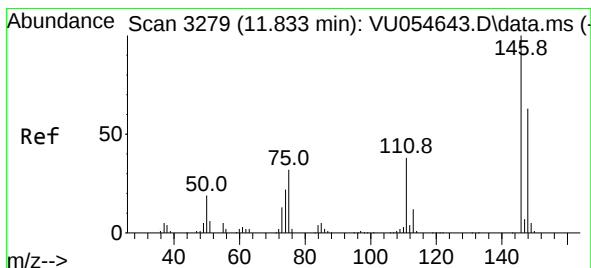
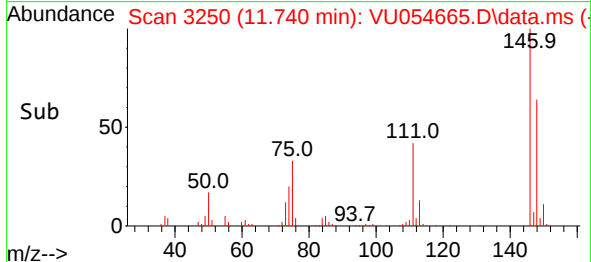
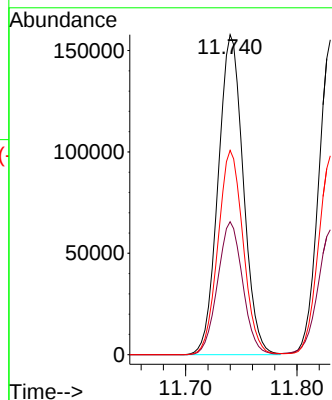
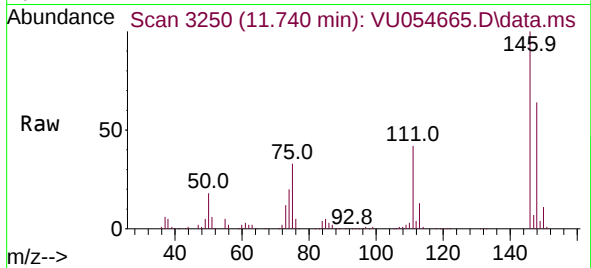




#64
1,3-Dichlorobenzene
Concen: 4.747 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU054665.D
Acq: 22 Jun 2023 18:51

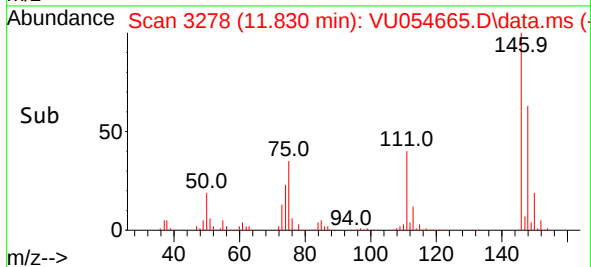
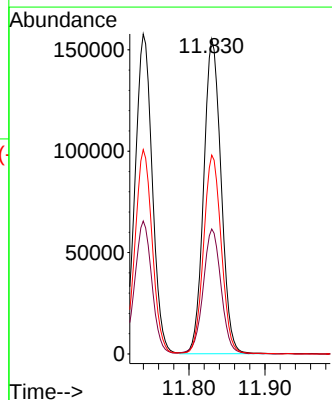
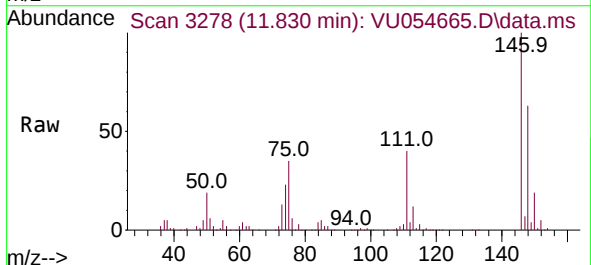
Instrument :
MSVOA_U
ClientSampleId :
YBW82MSD

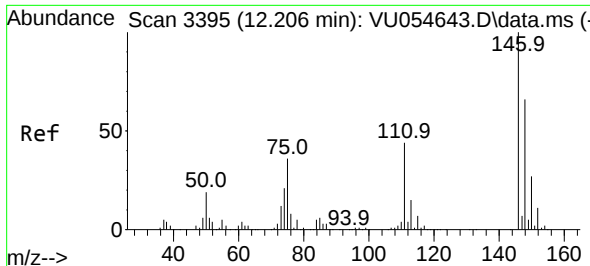
Tgt Ion:146 Resp: 247642
Ion Ratio Lower Upper
146 100
111 41.6 28.9 53.7
148 63.9 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 4.709 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU054665.D
Acq: 22 Jun 2023 18:51

Tgt Ion:146 Resp: 246552
Ion Ratio Lower Upper
146 100
111 39.7 28.0 52.0
148 63.2 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 4.757 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU054665.D

Acq: 22 Jun 2023 18:51

Instrument :

MSVOA_U

ClientSampleId :

YBW82MSD

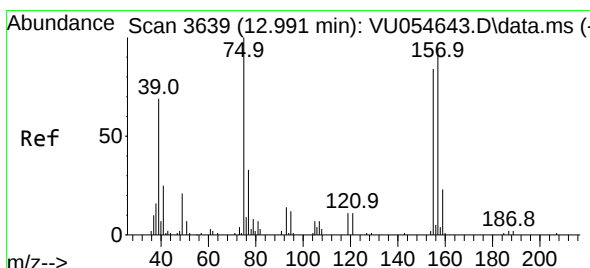
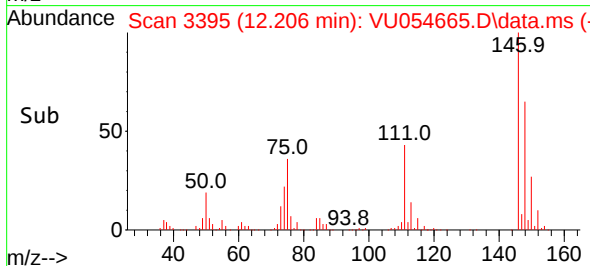
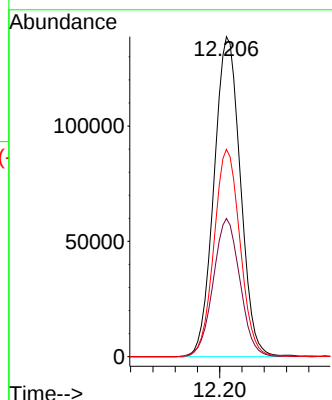
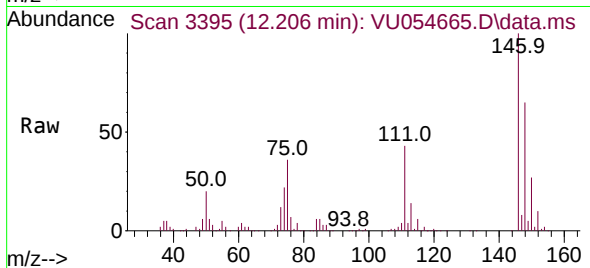
Tgt Ion:146 Resp: 228213

Ion Ratio Lower Upper

146 100

111 43.2 34.5 51.7

148 64.8 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 5.319 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU054665.D

Acq: 22 Jun 2023 18:51

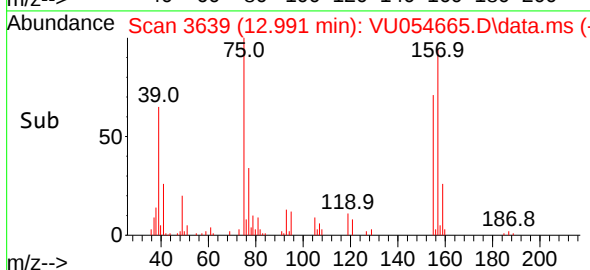
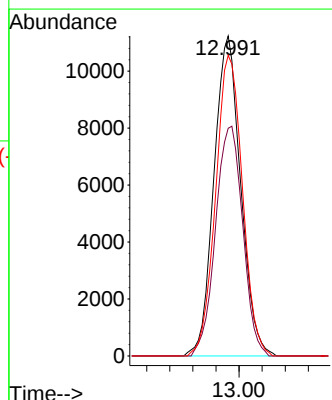
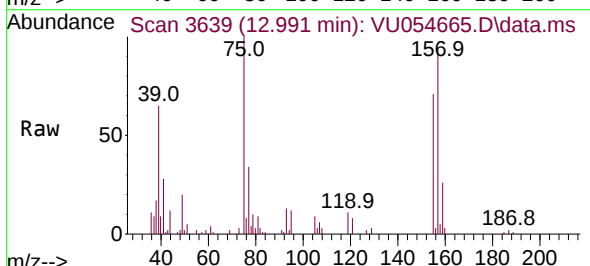
Tgt Ion: 75 Resp: 18021

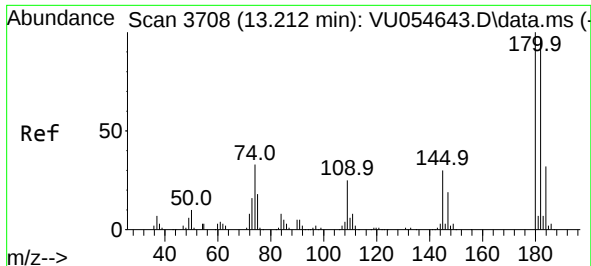
Ion Ratio Lower Upper

75 100

155 71.2 65.7 98.5

157 93.9 84.2 126.2





#69

1,3,5-Trichlorobenzene

Concen: 4.584 ug/L

RT: 13.212 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU054665.D

Acq: 22 Jun 2023 18:51

Instrument :

MSVOA_U

ClientSampleId :

YBW82MSD

Tgt Ion:180 Resp: 180404

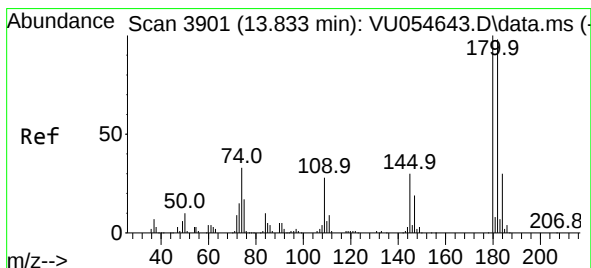
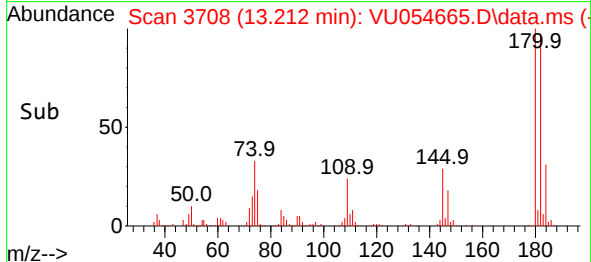
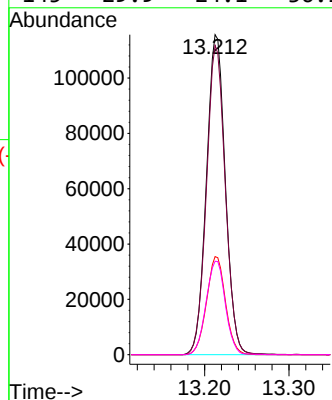
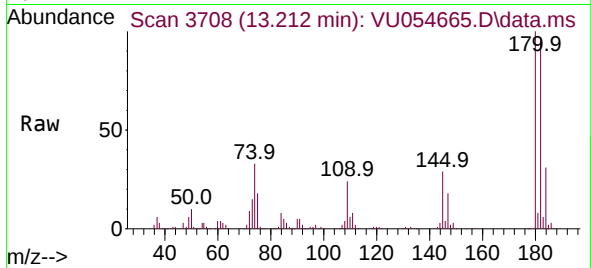
Ion Ratio Lower Upper

180 100

182 96.5 75.0 112.6

184 30.7 24.1 36.1

145 29.9 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 4.604 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU054665.D

Acq: 22 Jun 2023 18:51

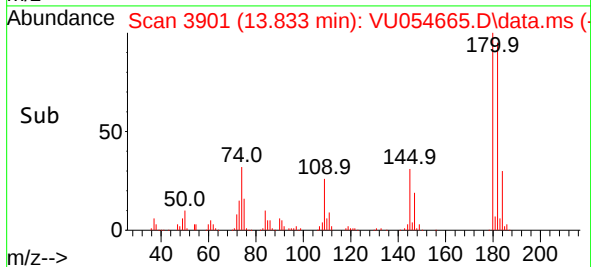
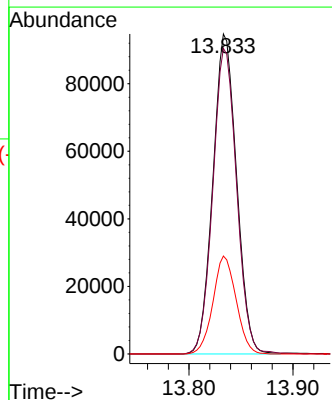
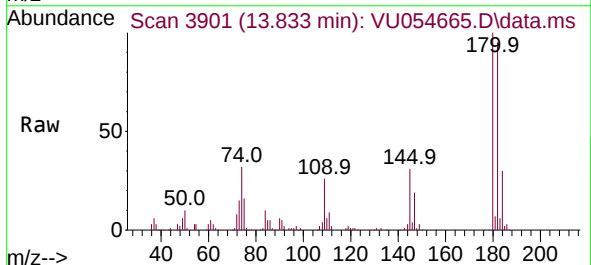
Tgt Ion:180 Resp: 149835

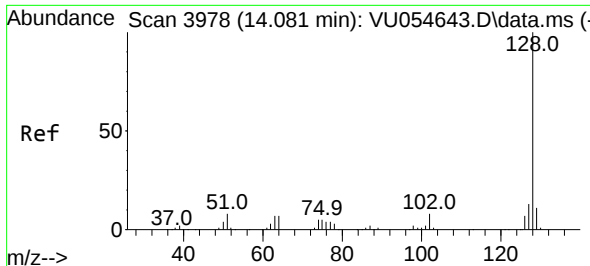
Ion Ratio Lower Upper

180 100

182 96.1 76.6 114.8

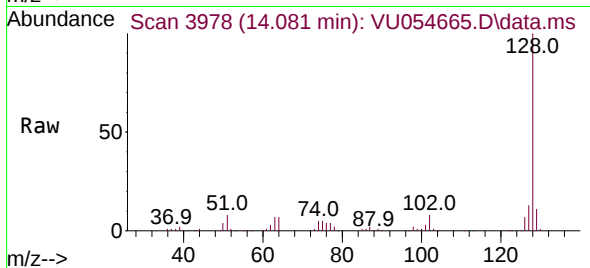
145 29.9 24.0 36.0



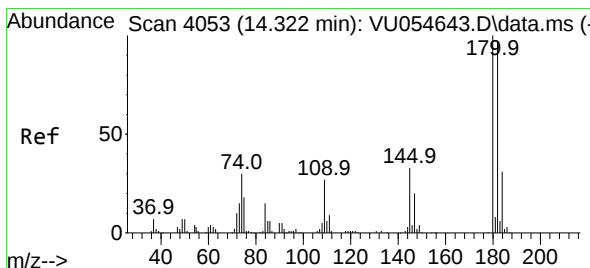
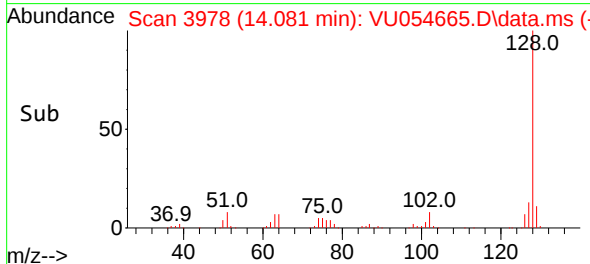
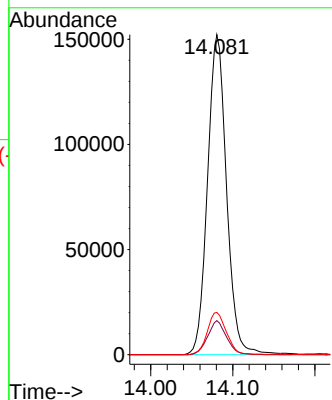


#71
Naphthalene
Concen: 4.626 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. 0.000 min
Lab File: VU054665.D
Acq: 22 Jun 2023 18:51

Instrument :
MSVOA_U
ClientSampleId :
YBW82MSD



Tgt Ion:128 Resp: 244813
Ion Ratio Lower Upper
128 100
129 10.5 8.6 12.8
127 13.3 10.6 15.8



#72
1,2,3-Trichlorobenzene
Concen: 4.817 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.003 min
Lab File: VU054665.D
Acq: 22 Jun 2023 18:51

Tgt Ion:180 Resp: 134670
Ion Ratio Lower Upper
180 100
182 94.7 75.4 113.2
145 31.8 26.0 39.0

