

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062223\
 Data File : VU054664.D
 Acq On : 22 Jun 2023 18:27
 Operator : MD/SY
 Sample : 03384-02MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YBW82MS

Quant Time: Jun 23 04:36:54 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	307051	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	297059	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	152026	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	104457	5.345	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	107.000%
7) Chloroethane-d5	1.914	69	83898	4.586	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.800%
11) 1,1-Dichloroethene-d2	2.563	65	40629	4.655	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.200%
20) 2-Butanone-d5	4.628	46	255394	46.485	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.960%
24) Chloroform-d	5.059	84	181389	4.441	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.800%
26) 1,2-Dichloroethane-d4	5.698	65	87733	4.406	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.200%
32) Benzene-d6	5.724	84	340820	4.127	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.600%
36) 1,2-Dichloropropane-d6	6.685	67	115378	4.184	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.600%
41) Toluene-d8	7.894	98	310103	4.231	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.600%
43) trans-1,3-Dichloroprop...	8.174	79	42603	4.442	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.800%
46) 2-Hexanone-d5	8.628	63	176074	43.763	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.520%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	87430	4.251	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	107649	4.198	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	108831	3.793	ug/L	99
3) Chloromethane	1.522	50	135691	4.117	ug/L	100
5) Vinyl chloride	1.605	62	141620	4.186	ug/L	98
6) Bromomethane	1.859	94	74199	3.989	ug/L	95
8) Chloroethane	1.933	64	91456	4.510	ug/L	99
9) Trichlorofluoromethane	2.136	101	181724	4.370	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.580	101	110232	4.531	ug/L	99
12) 1,1-Dichloroethene	2.580	96	96076	4.314	ug/L	89
13) Acetone	2.641	43	204572	39.491	ug/L	99
14) Carbon disulfide	2.792	76	239600	3.628	ug/L	99
15) Methyl Acetate	2.956	43	43988	4.582	ug/L	98
16) Methylene chloride	3.043	84	114885	3.668	ug/L	90
17) Methyl tert-butyl Ether	3.361	73	253853	4.618	ug/L	97
18) trans-1,2-Dichloroethene	3.351	96	98754	4.295	ug/L	99
19) 1,1-Dichloroethane	3.866	63	232613	4.888	ug/L	99
21) 2-Butanone	4.708	43	343021	51.022	ug/L	93
22) cis-1,2-Dichloroethene	4.663	96	117849	4.501	ug/L	94
23) Bromochloromethane	4.972	128	49733	4.564	ug/L	95
25) Chloroform	5.081	83	226304	4.824	ug/L	100

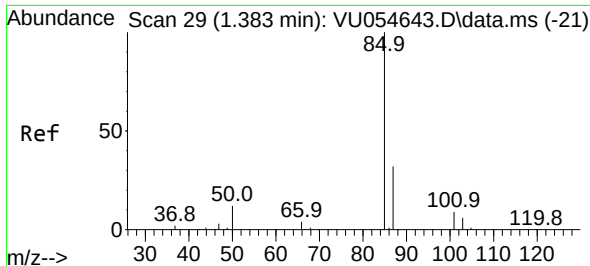
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	133645	4.860	ug/L	99
29) 1,1,1-Trichloroethane	5.313	97	187821	4.663	ug/L	98
30) Cyclohexane	5.383	56	170960	3.897	ug/L	99
31) Carbon tetrachloride	5.522	117	155441	4.478	ug/L	99
33) Benzene	5.769	78	478103	4.478	ug/L	100
34) Trichloroethene	6.538	95	120308	4.262	ug/L	97
35) Methylcyclohexane	6.759	83	161076	3.775	ug/L	97
37) 1,2-Dichloropropane	6.785	63	137700	4.770	ug/L	99
38) Bromodichloromethane	7.100	83	155639	4.763	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	177725	4.510	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	795752	51.657	ug/L	97
42) Toluene	7.965	91	501702	4.563	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	148817	4.653	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	89126	4.853	ug/L	98
47) Tetrachloroethene	8.547	164	83021	3.842	ug/L	97
48) 2-Hexanone	8.679	43	568649	49.542	ug/L	98
49) Dibromochloromethane	8.804	129	93210	4.834	ug/L	98
50) 1,2-Dibromoethane	8.920	107	78060	4.630	ug/L	97
51) Chlorobenzene	9.441	112	303426	4.427	ug/L	98
52) Ethylbenzene	9.566	91	528539	4.402	ug/L	100
53) m,p-Xylene	9.689	106	195492	4.432	ug/L	98
54) o-Xylene	10.097	106	191107	4.480	ug/L	97
55) Styrene	10.110	104	329149	4.597	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.775	83	115150	4.937	ug/L	98
59) Bromoform	10.287	173	54893	5.030	ug/L	100
60) Isopropylbenzene	10.480	105	521104	4.686	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	77006	5.012	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	404162	4.454	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	416925	4.524	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	242097	4.657	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	239813	4.597	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	225523	4.717	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.991	75	18056	5.348	ug/L	90
69) 1,3,5-Trichlorobenzene	13.213	180	177607	4.528	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	140559	4.334	ug/L	98
71) Naphthalene	14.081	128	220162	4.175	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	123774	4.442	ug/L	97

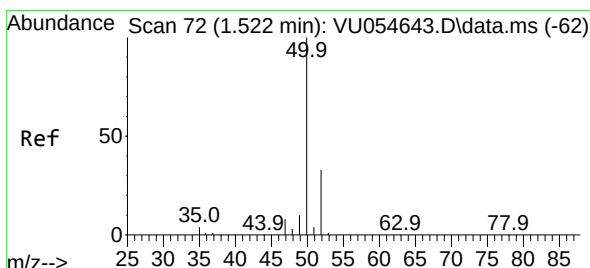
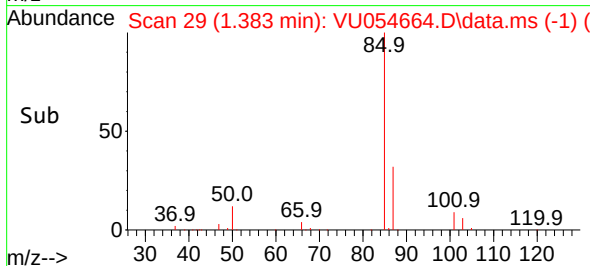
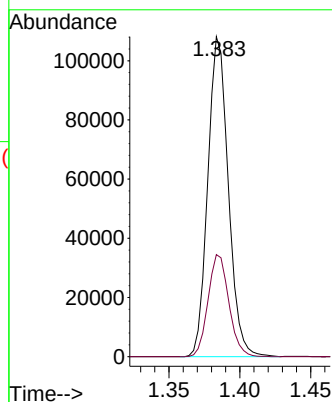
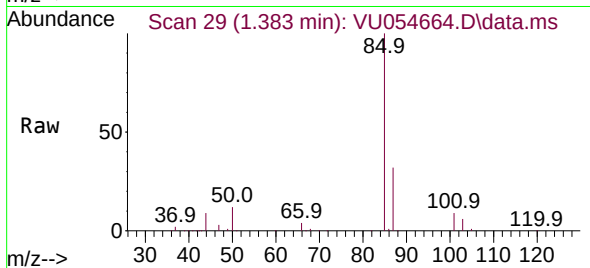
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 3.793 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU054664.D
 Acq: 22 Jun 2023 18:27

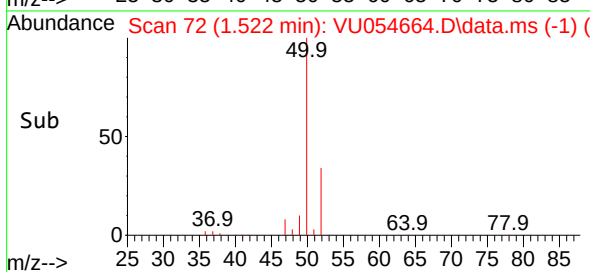
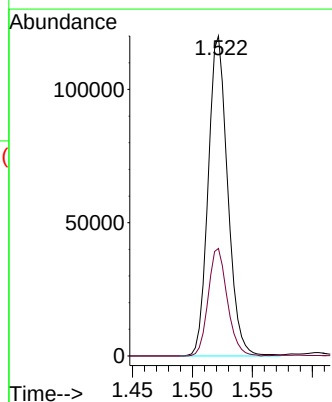
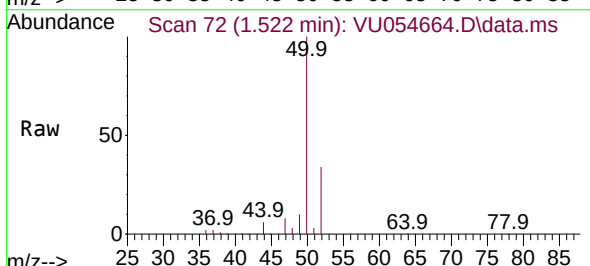
Instrument :
 MSVOA_U
 ClientSampleId :
 YBW82MS

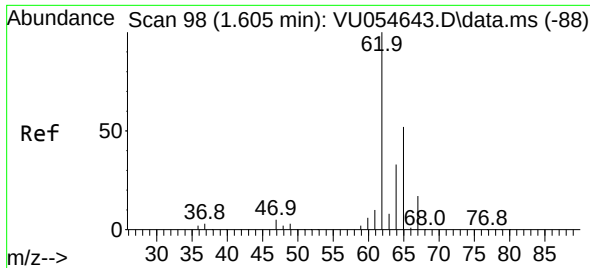
Tgt Ion: 85 Resp: 108831
 Ion Ratio Lower Upper
 85 100
 87 32.3 25.4 38.2



#3
 Chloromethane
 Concen: 4.117 ug/L
 RT: 1.522 min Scan# 72
 Delta R.T. 0.000 min
 Lab File: VU054664.D
 Acq: 22 Jun 2023 18:27

Tgt Ion: 50 Resp: 135691
 Ion Ratio Lower Upper
 50 100
 52 33.6 23.4 43.4

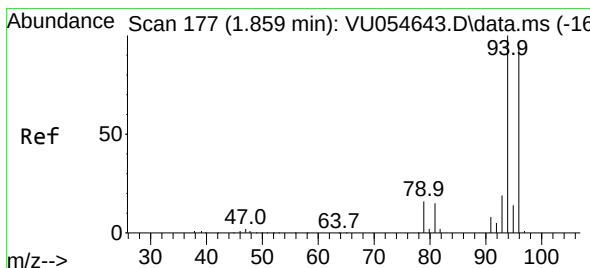
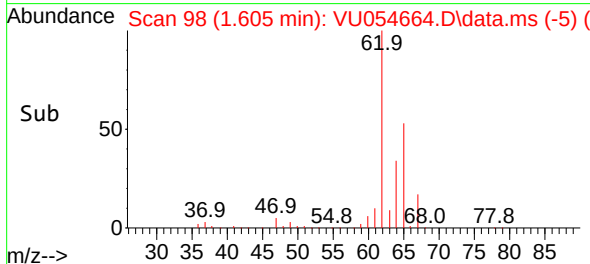
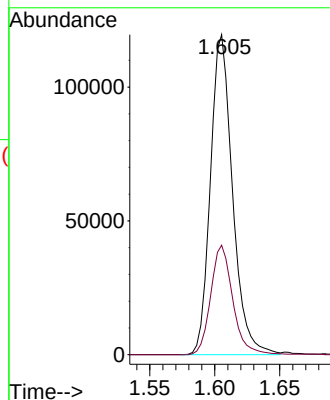
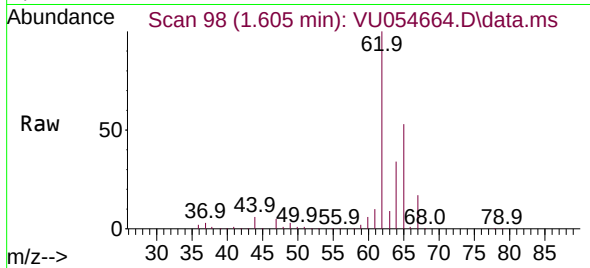




#5
 Vinyl chloride
 Concen: 4.186 ug/L
 RT: 1.605 min Scan# 98
 Delta R.T. 0.000 min
 Lab File: VU054664.D
 Acq: 22 Jun 2023 18:27

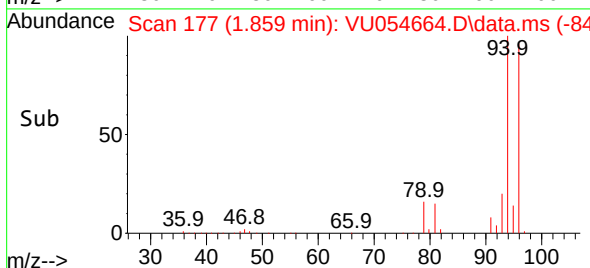
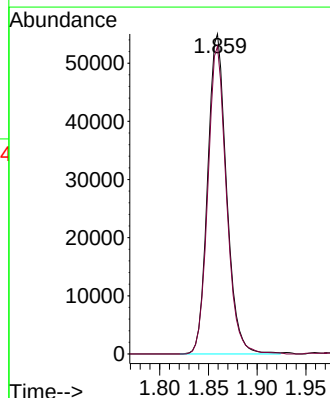
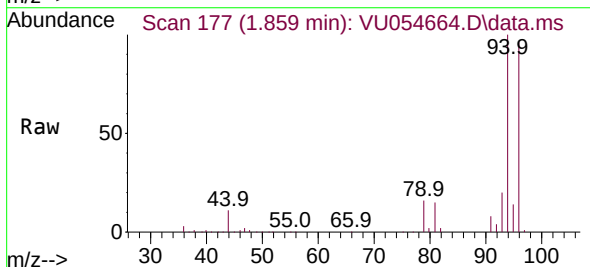
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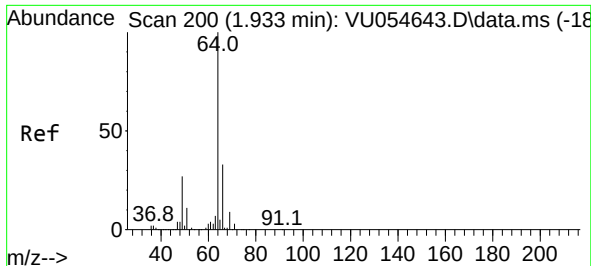
Tgt Ion: 62 Resp: 141620
 Ion Ratio Lower Upper
 62 100
 64 34.2 23.0 42.6



#6
 Bromomethane
 Concen: 3.989 ug/L
 RT: 1.859 min Scan# 177
 Delta R.T. 0.000 min
 Lab File: VU054664.D
 Acq: 22 Jun 2023 18:27

Tgt Ion: 94 Resp: 74199
 Ion Ratio Lower Upper
 94 100
 96 96.1 63.6 118.2

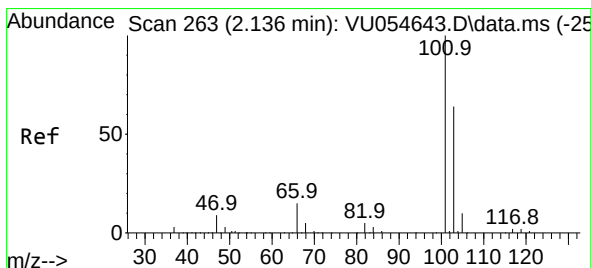
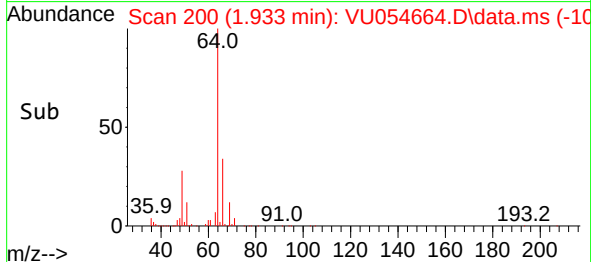
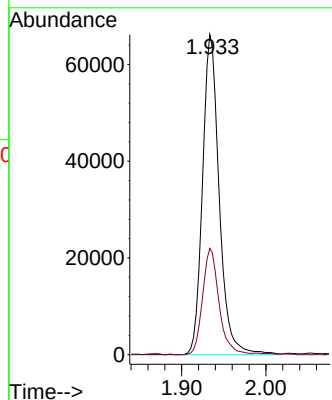
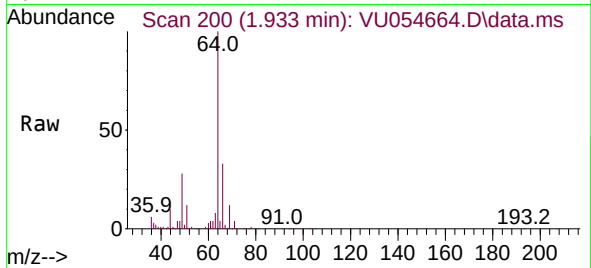




#8
Chloroethane
Concen: 4.510 ug/L
RT: 1.933 min Scan# 200
Delta R.T. 0.000 min
Lab File: VU054664.D
Acq: 22 Jun 2023 18:27

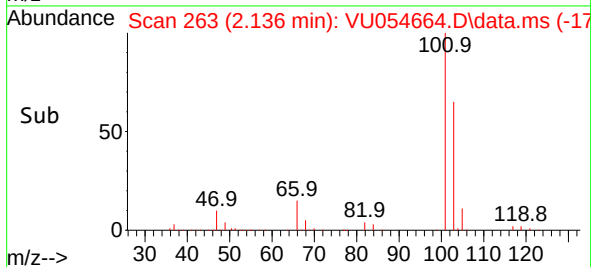
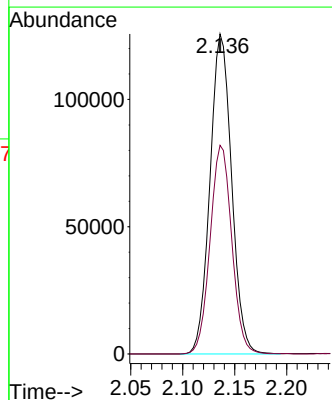
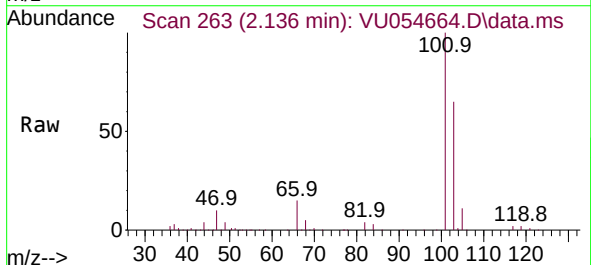
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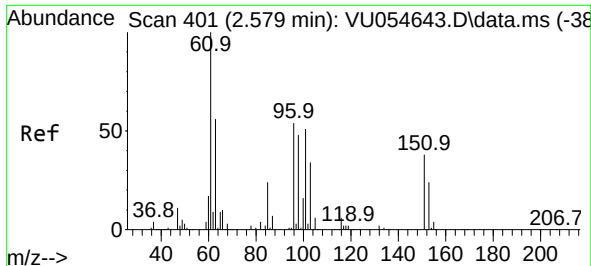
Tgt Ion: 64 Resp: 91456
Ion Ratio Lower Upper
64 100
66 33.3 22.9 42.5



#9
Trichlorofluoromethane
Concen: 4.370 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU054664.D
Acq: 22 Jun 2023 18:27

Tgt Ion:101 Resp: 181724
Ion Ratio Lower Upper
101 100
103 65.2 50.6 75.8

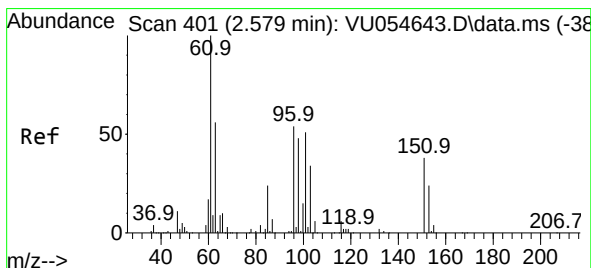
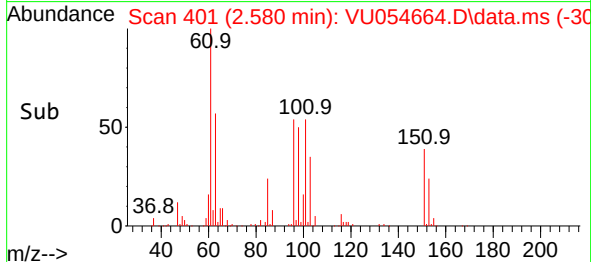
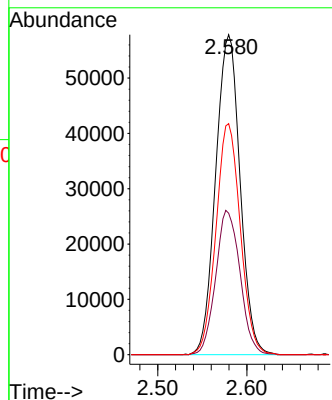
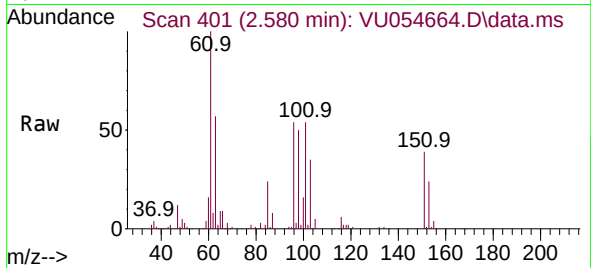




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.531 ug/L
 RT: 2.580 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VU054664.D
 Acq: 22 Jun 2023 18:27

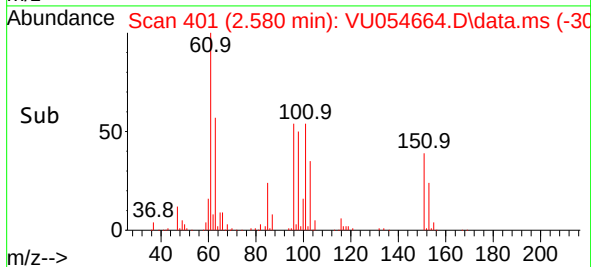
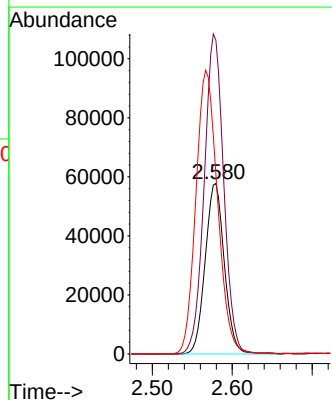
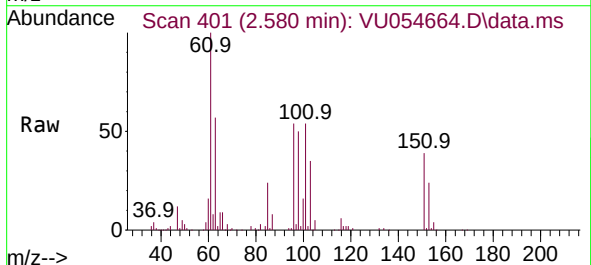
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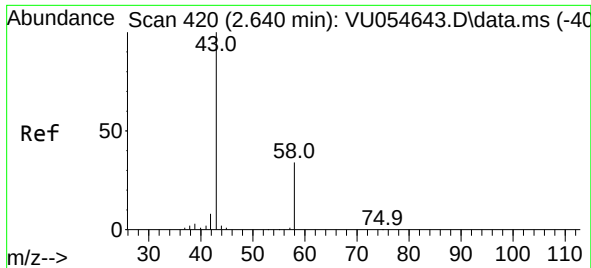
Tgt Ion:101 Resp: 110232
 Ion Ratio Lower Upper
 101 100
 85 44.9 34.6 51.8
 151 72.0 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 4.314 ug/L
 RT: 2.580 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VU054664.D
 Acq: 22 Jun 2023 18:27

Tgt Ion: 96 Resp: 96076
 Ion Ratio Lower Upper
 96 100
 61 184.3 119.9 222.7
 63 105.7 64.3 119.3





#13

Acetone

Concen: 39.491 ug/L

RT: 2.641 min Scan# 41

Delta R.T. 0.000 min

Lab File: VU054664.D

Acq: 22 Jun 2023 18:27

Instrument :

MSVOA_U

ClientSampleId :

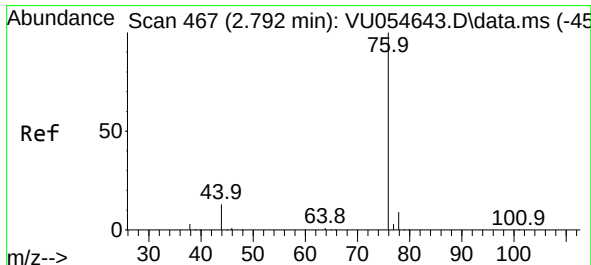
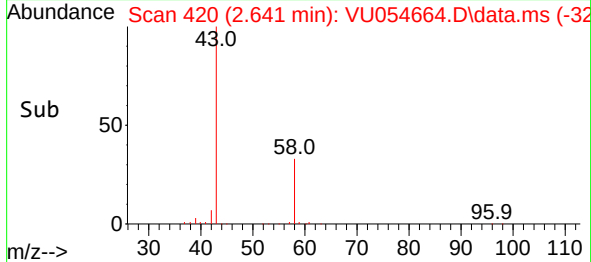
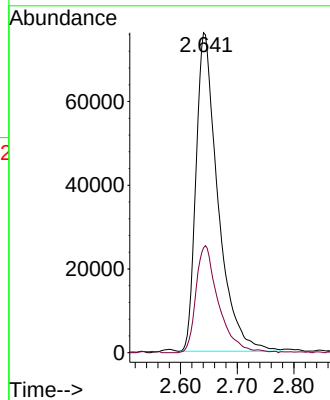
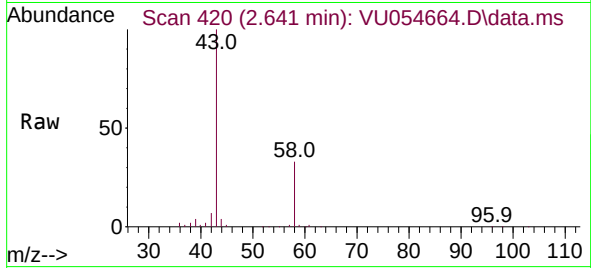
YBW82MS

Tgt Ion: 43 Resp: 204572

Ion Ratio Lower Upper

43 100

58 34.1 0.0 67.2



#14

Carbon disulfide

Concen: 3.628 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.000 min

Lab File: VU054664.D

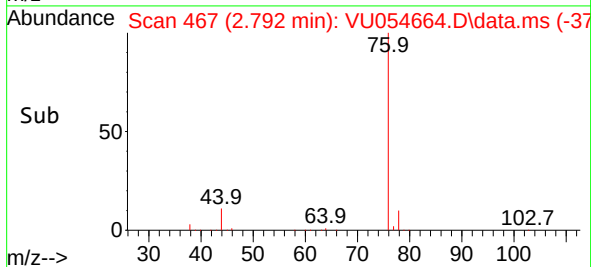
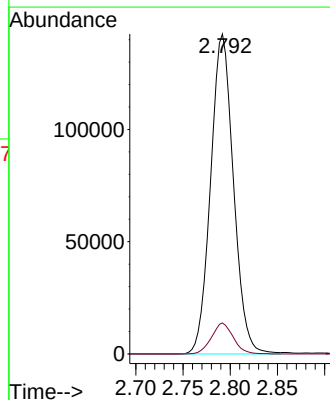
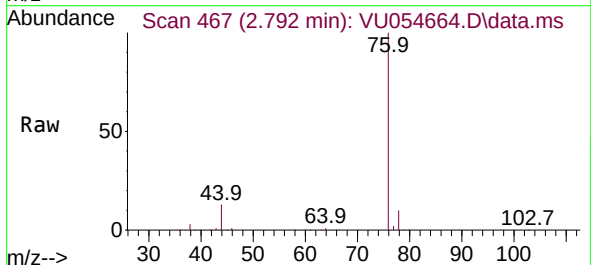
Acq: 22 Jun 2023 18:27

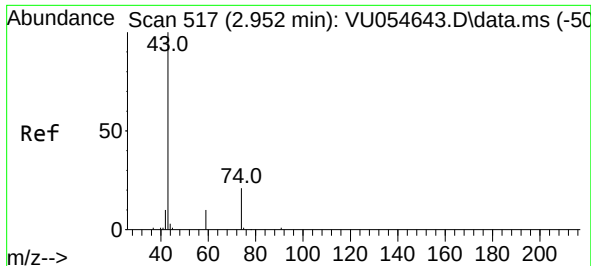
Tgt Ion: 76 Resp: 239600

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.0

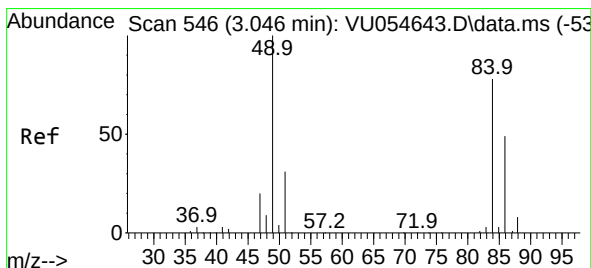
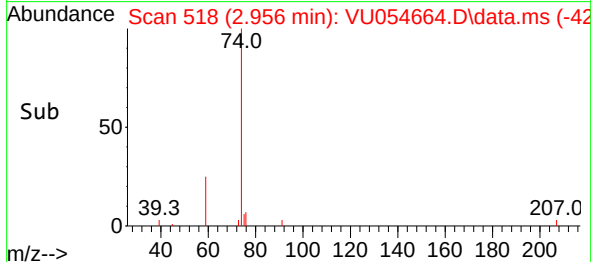
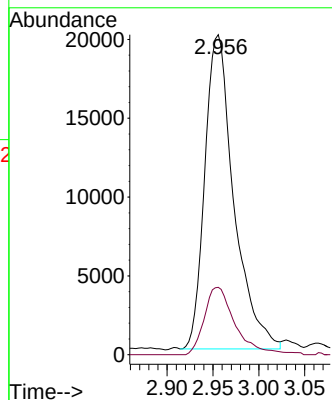
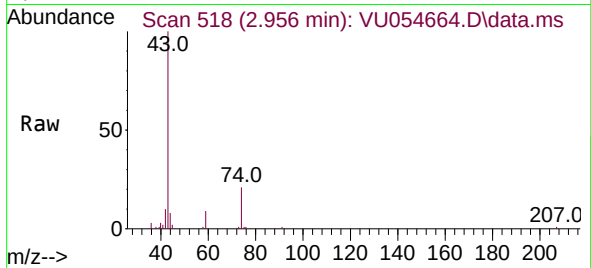




#15
Methyl Acetate
Concen: 4.582 ug/L
RT: 2.956 min Scan# 517
Delta R.T. 0.003 min
Lab File: VU054664.D
Acq: 22 Jun 2023 18:27

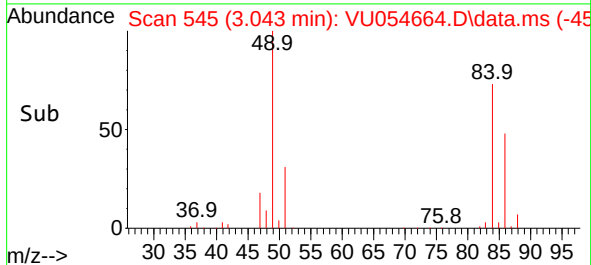
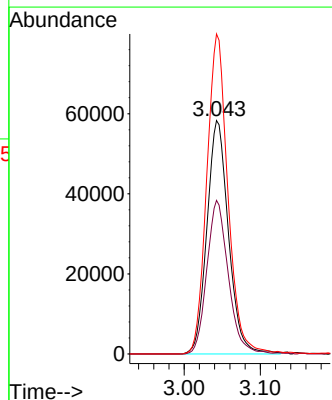
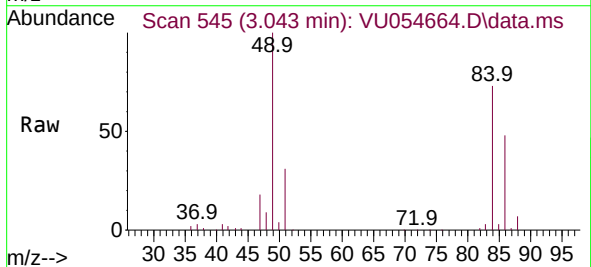
Instrument :
MSVOA_U
ClientSampleId :
YBW82MS

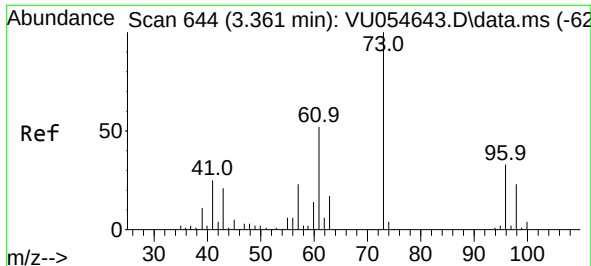
Tgt Ion: 43 Resp: 43988
Ion Ratio Lower Upper
43 100
74 22.9 19.0 28.6



#16
Methylene chloride
Concen: 3.668 ug/L
RT: 3.043 min Scan# 545
Delta R.T. -0.003 min
Lab File: VU054664.D
Acq: 22 Jun 2023 18:27

Tgt Ion: 84 Resp: 114885
Ion Ratio Lower Upper
84 100
86 65.8 43.9 81.5
49 137.0 86.1 159.9



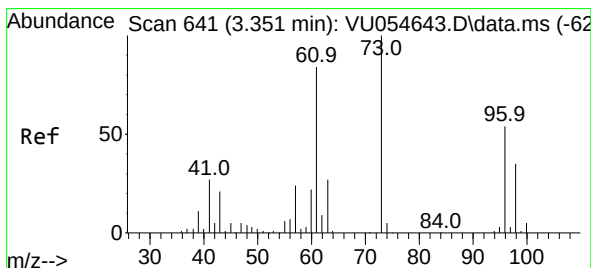
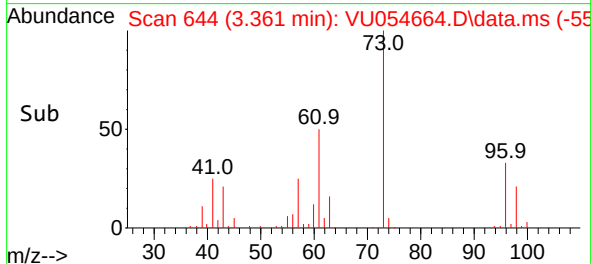
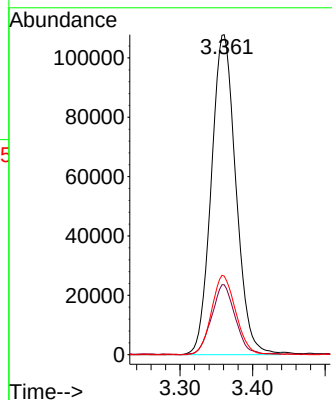
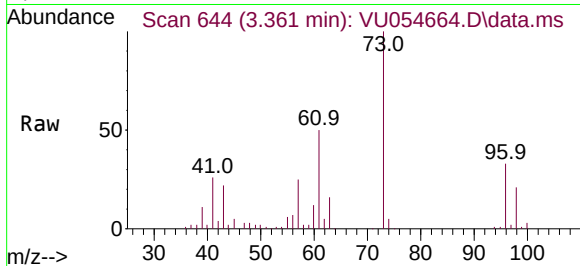


#17
Methyl tert-butyl Ether
Concen: 4.618 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU054664.D
Acq: 22 Jun 2023 18:27

Instrument :
MSVOA_U
ClientSampleId :
YBW82MS

Tgt Ion: 73 Resp: 253853

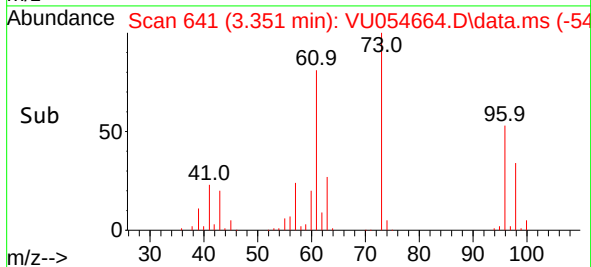
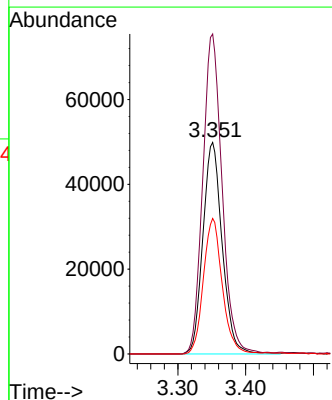
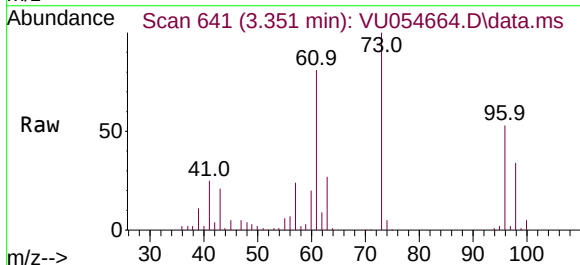
Ion	Ratio	Lower	Upper
73	100		
43	21.1	15.7	23.5
57	24.4	18.6	28.0

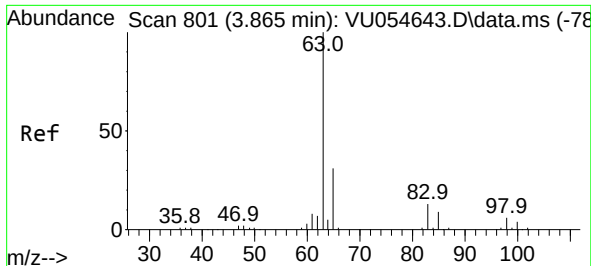


#18
trans-1,2-Dichloroethene
Concen: 4.295 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU054664.D
Acq: 22 Jun 2023 18:27

Tgt Ion: 96 Resp: 98754

Ion	Ratio	Lower	Upper
96	100		
61	151.3	104.6	194.2
98	64.1	45.4	84.4





#19

1,1-Dichloroethane

Concen: 4.888 ug/L

RT: 3.866 min Scan# 801

Delta R.T. 0.000 min

Lab File: VU054664.D

Acq: 22 Jun 2023 18:27

Instrument :

MSVOA_U

ClientSampleId :

YBW82MS

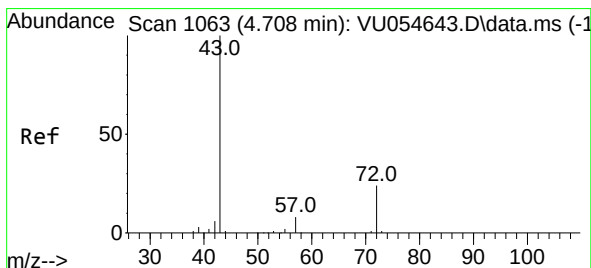
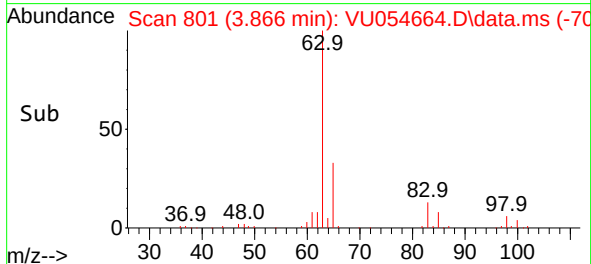
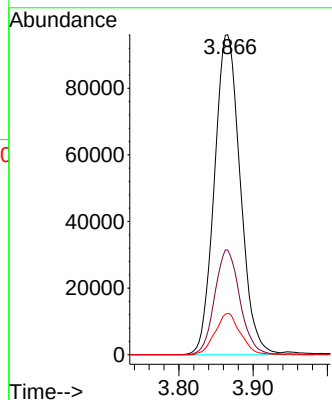
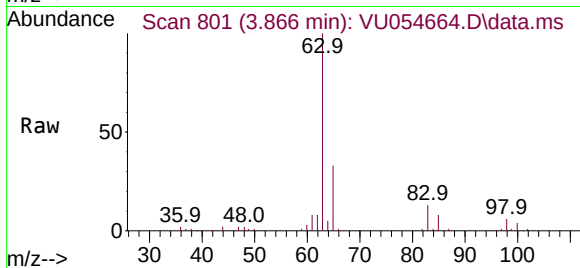
Tgt Ion: 63 Resp: 232613

Ion Ratio Lower Upper

63 100

65 32.7 22.2 41.2

83 12.9 9.0 16.6



#21

2-Butanone

Concen: 51.022 ug/L

RT: 4.708 min Scan# 1063

Delta R.T. 0.000 min

Lab File: VU054664.D

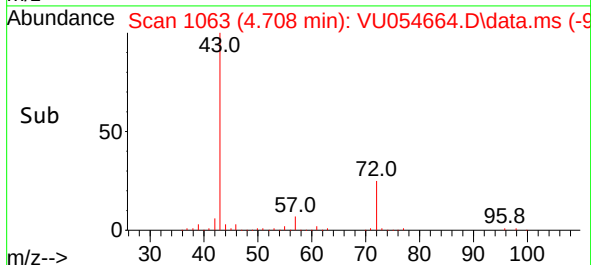
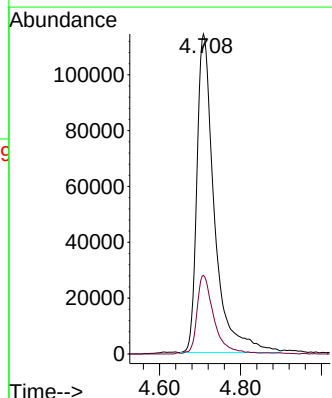
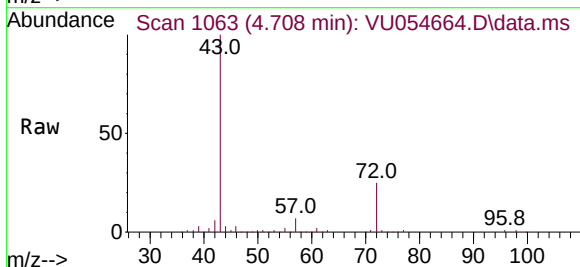
Acq: 22 Jun 2023 18:27

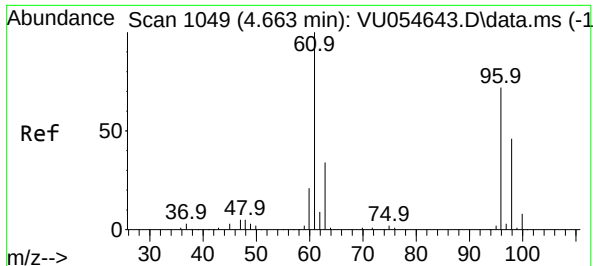
Tgt Ion: 43 Resp: 343021

Ion Ratio Lower Upper

43 100

72 22.9 13.4 40.1

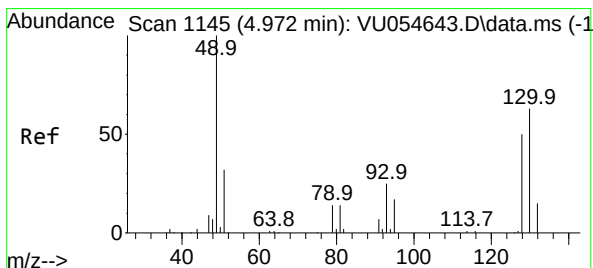
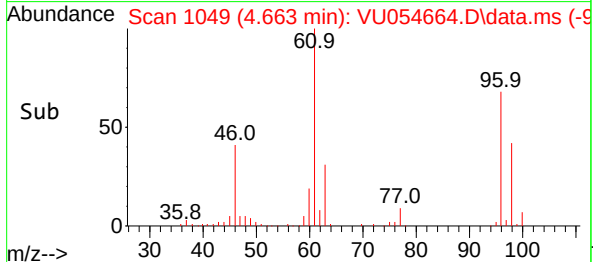
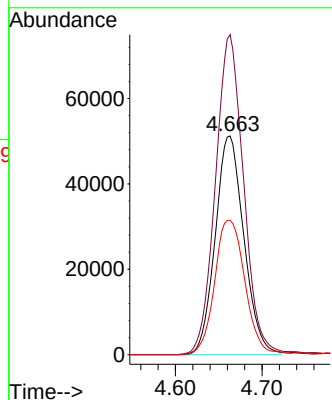
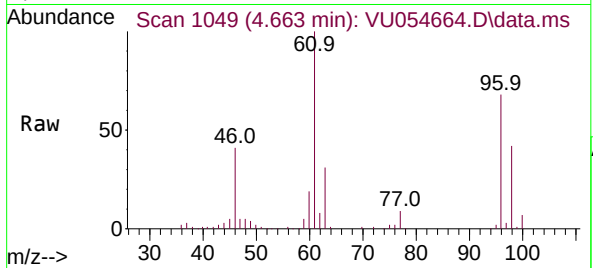




#22
 cis-1,2-Dichloroethene
 Concen: 4.501 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.000 min
 Lab File: VU054664.D
 Acq: 22 Jun 2023 18:27

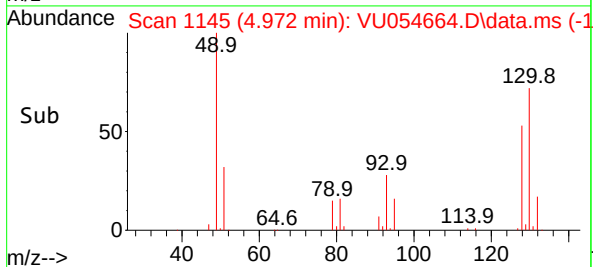
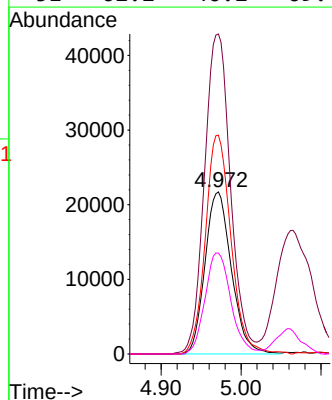
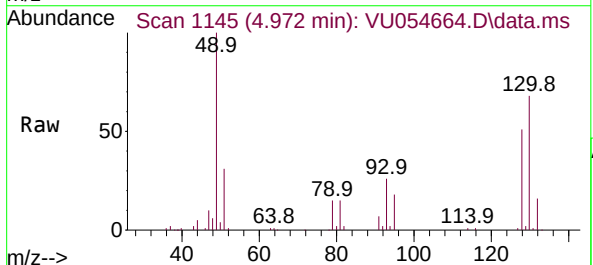
Instrument :
 MSVOA_U
 ClientSampleId :
 YBW82MS

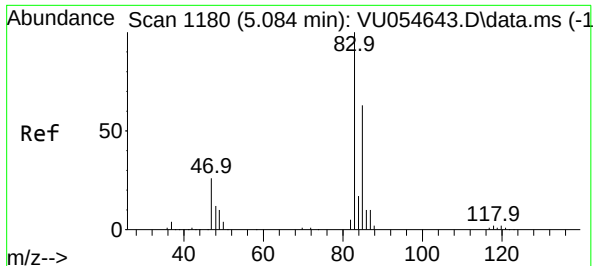
Tgt Ion: 96 Resp: 117849
 Ion Ratio Lower Upper
 96 100
 61 146.3 96.5 179.1
 98 61.5 44.9 83.3



#23
 Bromochloromethane
 Concen: 4.564 ug/L
 RT: 4.972 min Scan# 1145
 Delta R.T. 0.000 min
 Lab File: VU054664.D
 Acq: 22 Jun 2023 18:27

Tgt Ion: 128 Resp: 49733
 Ion Ratio Lower Upper
 128 100
 49 197.5 132.1 245.3
 130 135.0 91.5 169.9
 51 62.2 46.2 69.4





#25

Chloroform

Concen: 4.824 ug/L

RT: 5.081 min Scan# 1180

Delta R.T. -0.003 min

Lab File: VU054664.D

Acq: 22 Jun 2023 18:27

Instrument :

MSVOA_U

ClientSampleId :

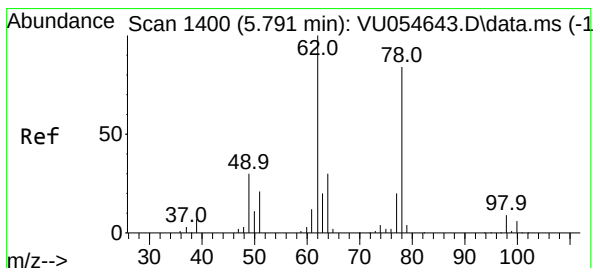
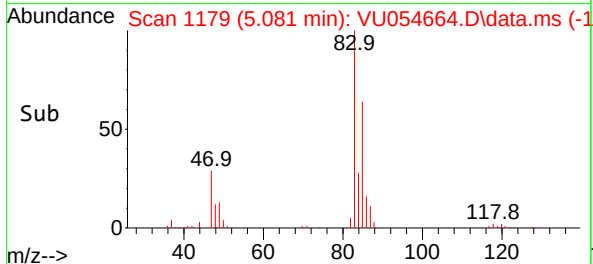
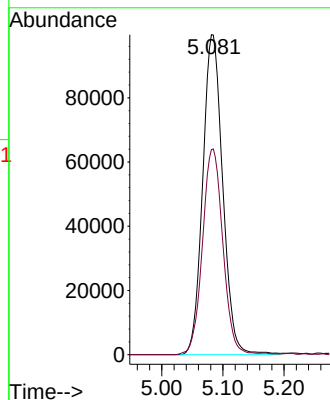
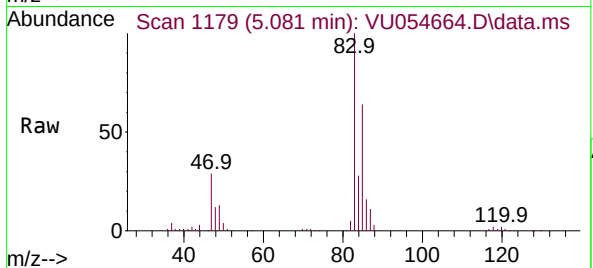
YBW82MS

Tgt Ion: 83 Resp: 226304

Ion Ratio Lower Upper

83 100

85 64.1 44.7 82.9



#27

1,2-Dichloroethane

Concen: 4.860 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.003 min

Lab File: VU054664.D

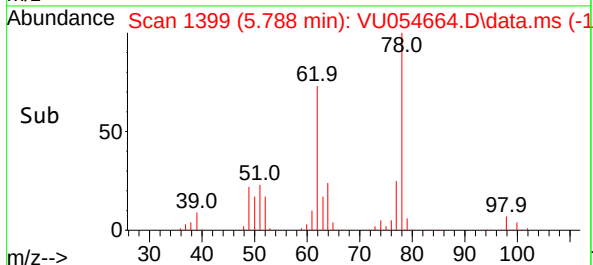
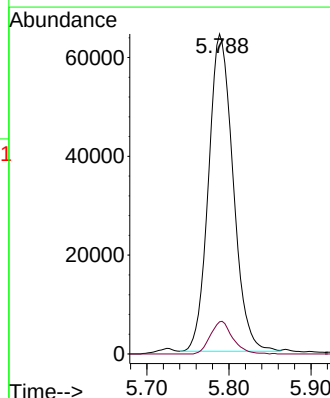
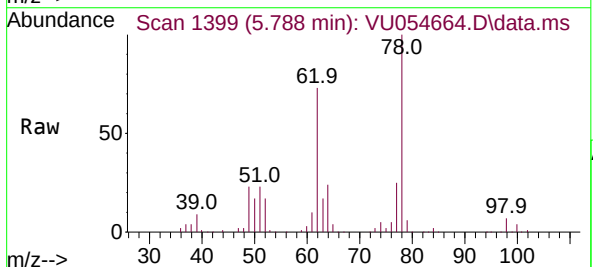
Acq: 22 Jun 2023 18:27

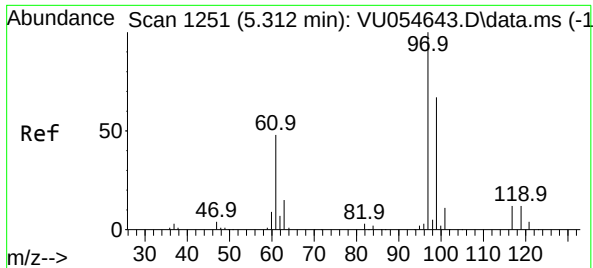
Tgt Ion: 62 Resp: 133645

Ion Ratio Lower Upper

62 100

98 10.0 7.8 11.6

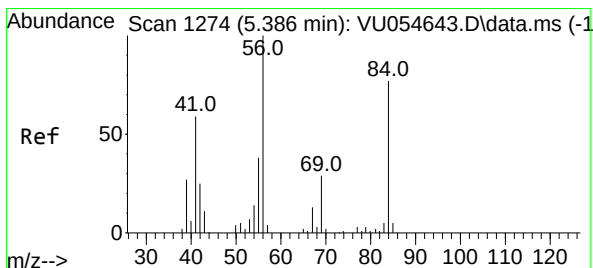
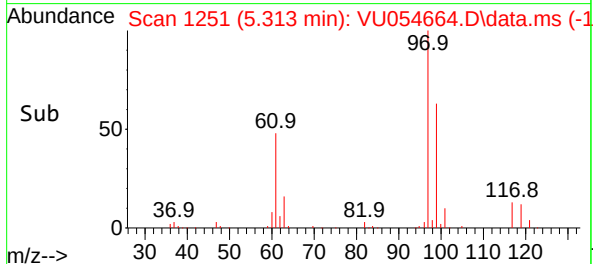
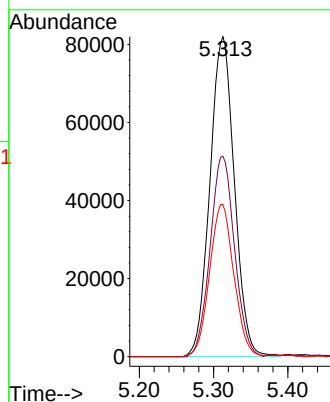
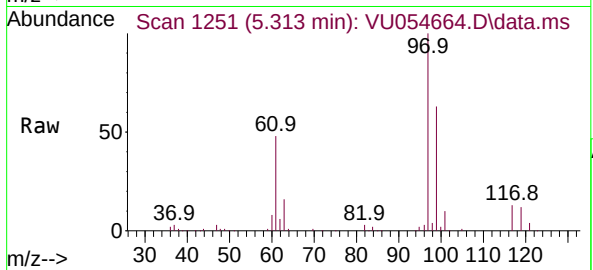




#29
1,1,1-Trichloroethane
Concen: 4.663 ug/L
RT: 5.313 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU054664.D
Acq: 22 Jun 2023 18:27

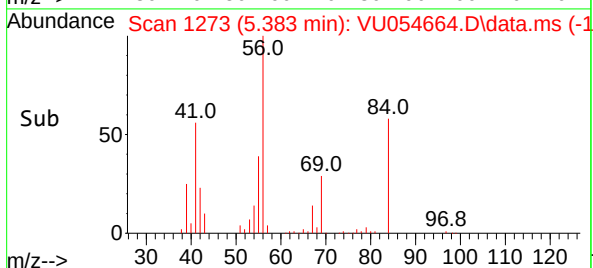
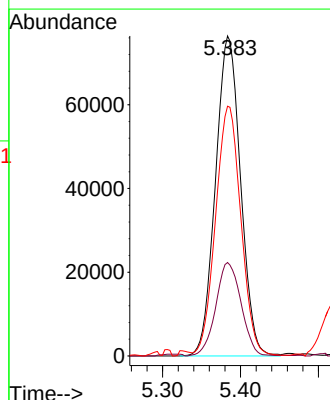
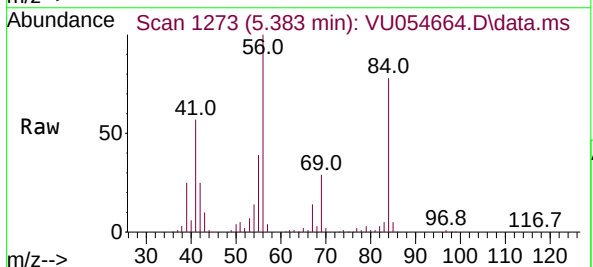
Instrument :
MSVOA_U
ClientSampleId :
YBW82MS

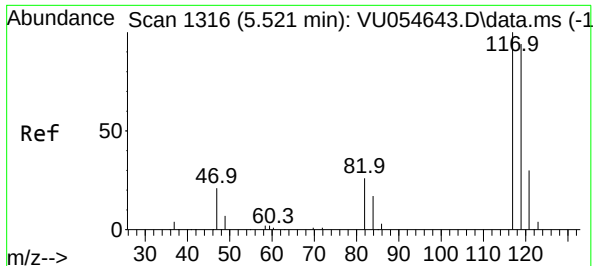
Tgt Ion: 97 Resp: 187821
Ion Ratio Lower Upper
97 100
99 62.5 50.8 76.2
61 47.2 36.1 54.1



#30
Cyclohexane
Concen: 3.897 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. -0.003 min
Lab File: VU054664.D
Acq: 22 Jun 2023 18:27

Tgt Ion: 56 Resp: 170960
Ion Ratio Lower Upper
56 100
69 29.4 23.9 35.9
84 78.2 63.0 94.6

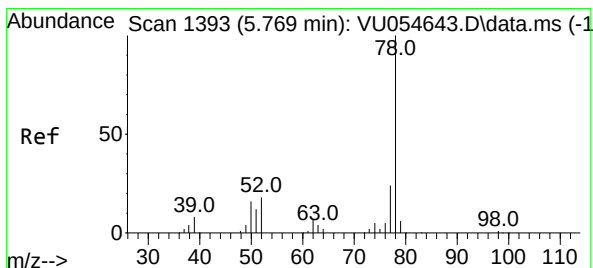
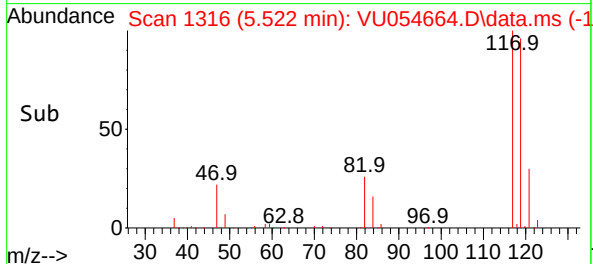
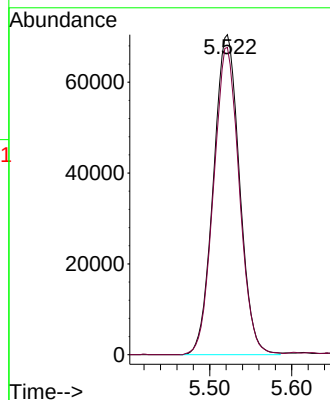
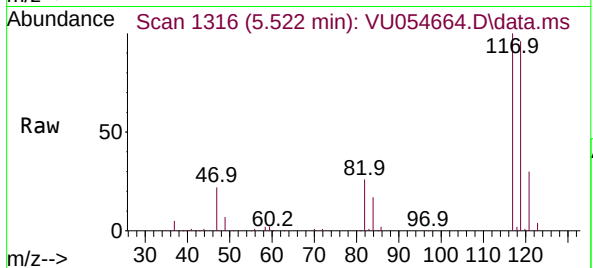




#31
Carbon tetrachloride
Concen: 4.478 ug/L
RT: 5.522 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VU054664.D
Acq: 22 Jun 2023 18:27

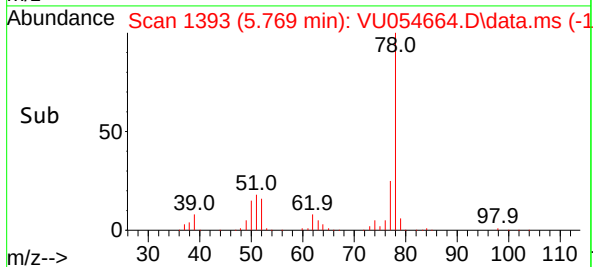
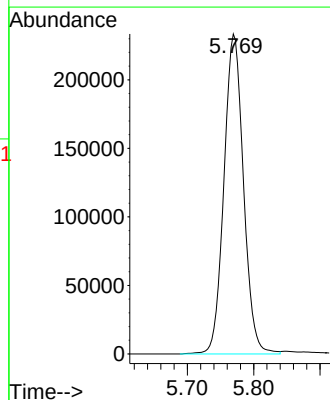
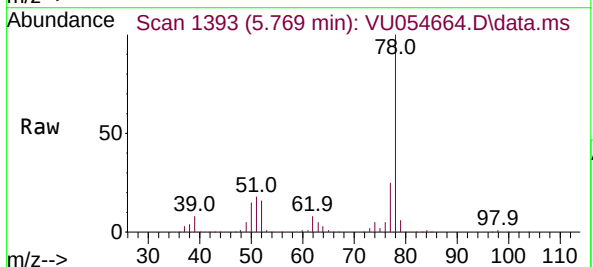
Instrument :
MSVOA_U
ClientSampleId :
YBW82MS

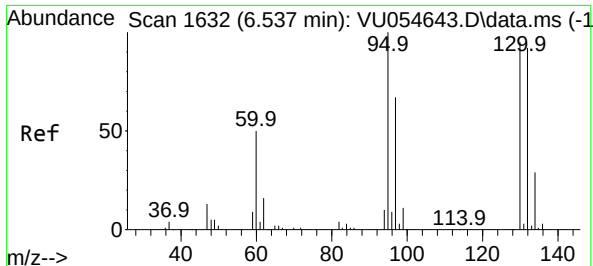
Tgt Ion:117 Resp: 155441
Ion Ratio Lower Upper
117 100
119 94.8 76.8 115.2



#33
Benzene
Concen: 4.478 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU054664.D
Acq: 22 Jun 2023 18:27

Tgt Ion: 78 Resp: 478103





#34

Trichloroethene

Concen: 4.262 ug/L

RT: 6.538 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054664.D

Acq: 22 Jun 2023 18:27

Instrument :

MSVOA_U

ClientSampleId :

YBW82MS

Tgt Ion: 95 Resp: 120308

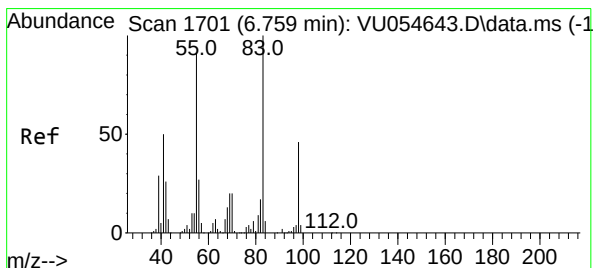
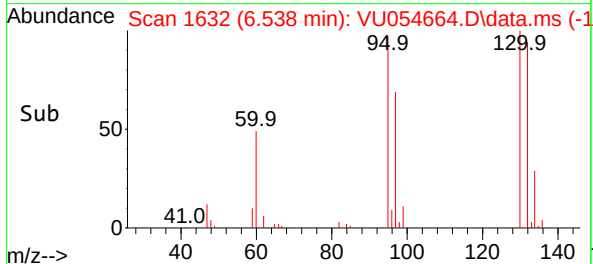
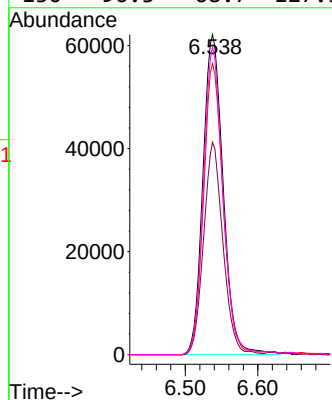
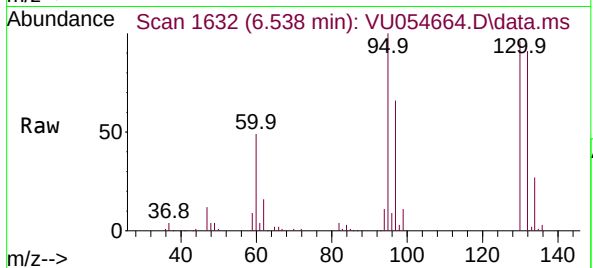
Ion Ratio Lower Upper

95 100

97 66.4 46.8 87.0

132 91.0 68.4 127.0

130 96.3 68.7 127.5



#35

Methylcyclohexane

Concen: 3.775 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VU054664.D

Acq: 22 Jun 2023 18:27

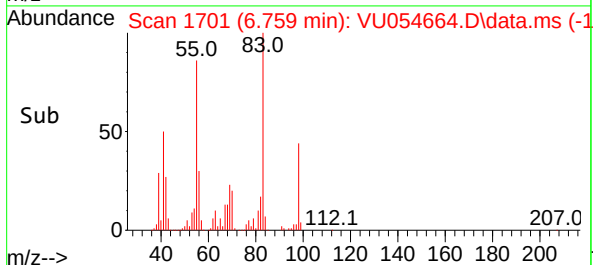
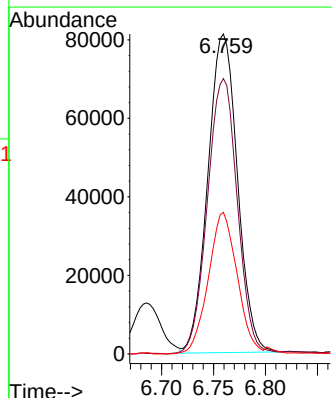
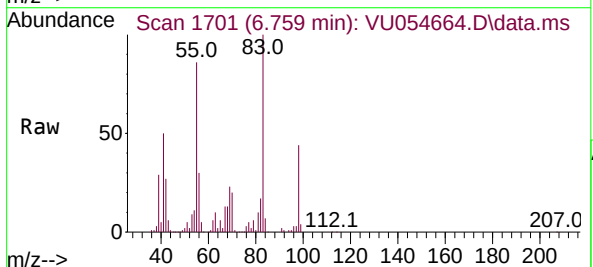
Tgt Ion: 83 Resp: 161076

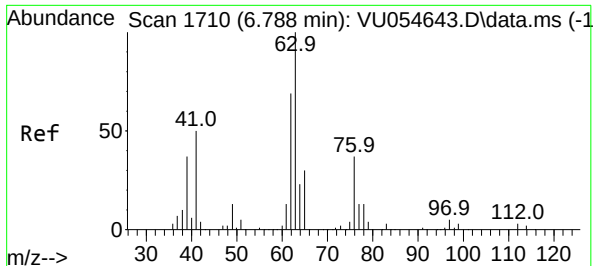
Ion Ratio Lower Upper

83 100

55 87.4 67.1 100.7

98 43.2 35.1 52.7





#37

1,2-Dichloropropane

Concen: 4.770 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU054664.D

Acq: 22 Jun 2023 18:27

Instrument :

MSVOA_U

ClientSampleId :

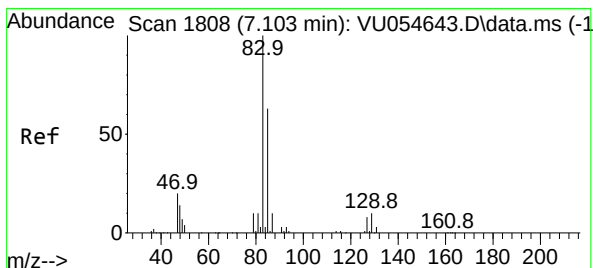
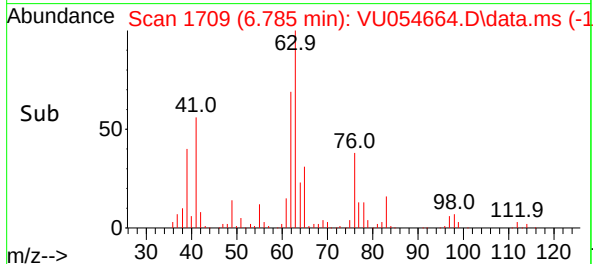
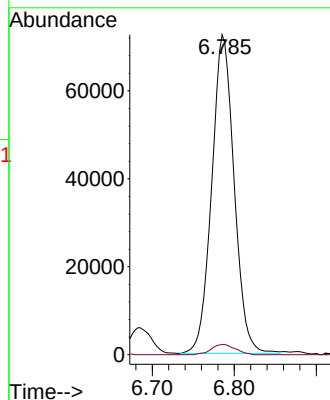
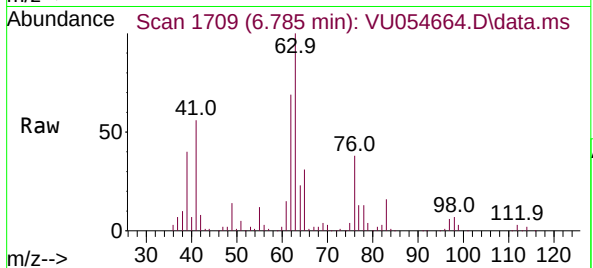
YBW82MS

Tgt Ion: 63 Resp: 137700

Ion Ratio Lower Upper

63 100

112 3.4 3.0 4.6



#38

Bromodichloromethane

Concen: 4.763 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.003 min

Lab File: VU054664.D

Acq: 22 Jun 2023 18:27

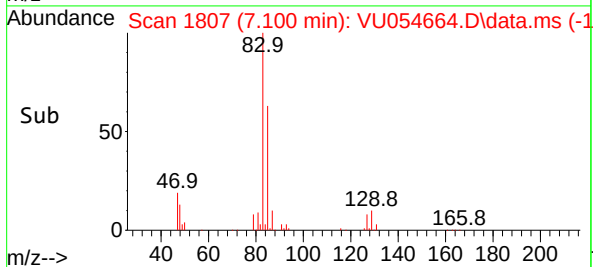
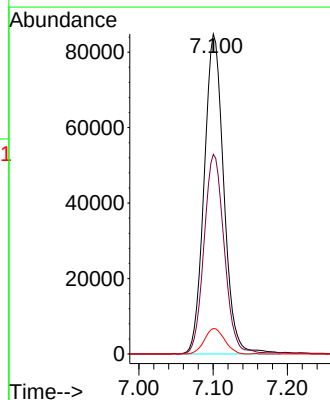
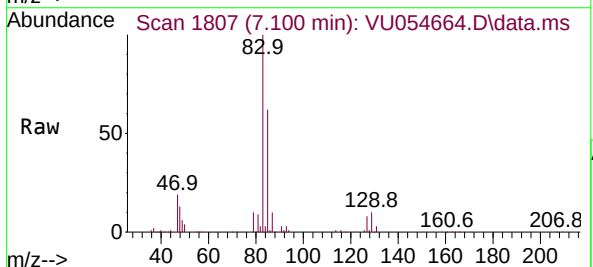
Tgt Ion: 83 Resp: 155639

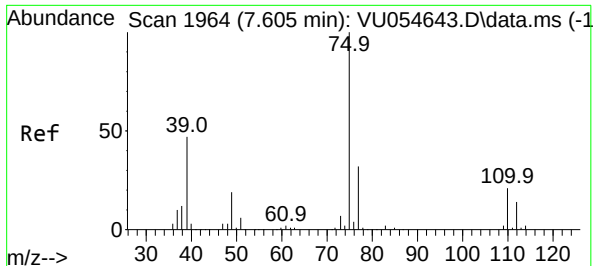
Ion Ratio Lower Upper

83 100

85 62.4 44.1 81.9

127 8.0 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 4.510 ug/L

RT: 7.602 min Scan# 1964

Delta R.T. -0.003 min

Lab File: VU054664.D

Acq: 22 Jun 2023 18:27

Instrument :

MSVOA_U

ClientSampleId :

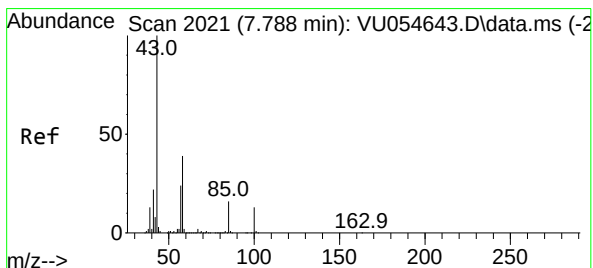
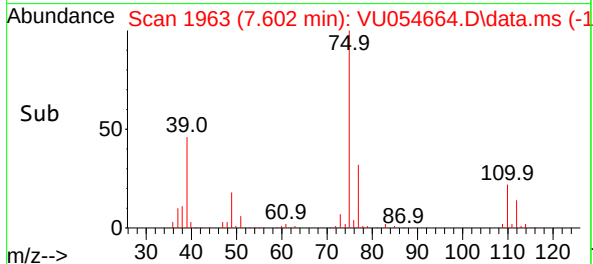
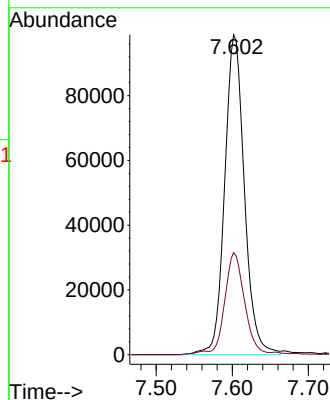
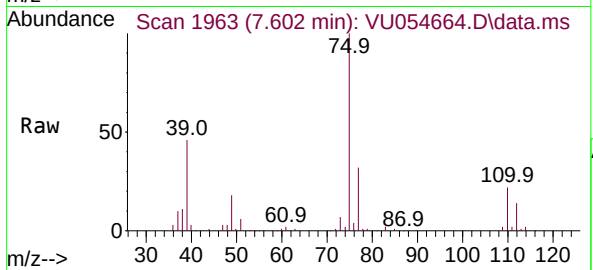
YBW82MS

Tgt Ion: 75 Resp: 177725

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 51.657 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.003 min

Lab File: VU054664.D

Acq: 22 Jun 2023 18:27

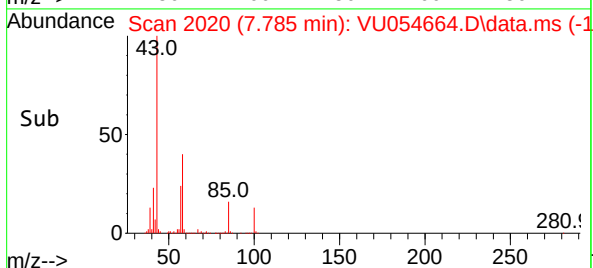
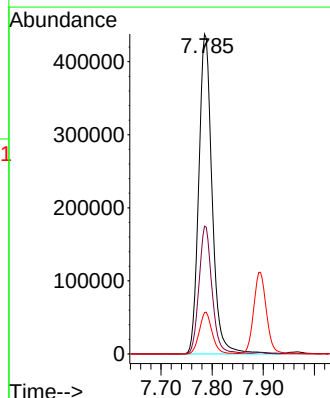
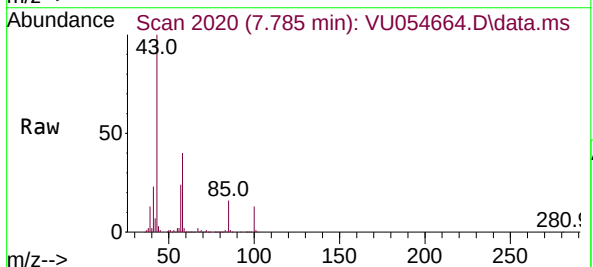
Tgt Ion: 43 Resp: 795752

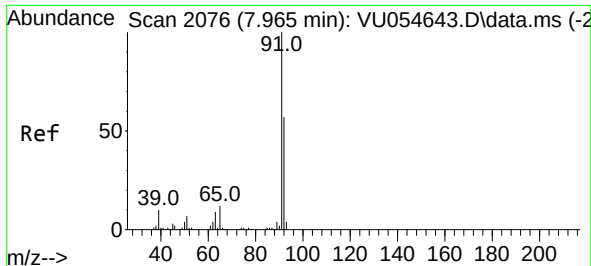
Ion Ratio Lower Upper

43 100

58 39.1 32.4 48.6

100 12.6 11.4 17.2





#42

Toluene

Concen: 4.563 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU054664.D

Acq: 22 Jun 2023 18:27

Instrument :

MSVOA_U

ClientSampleId :

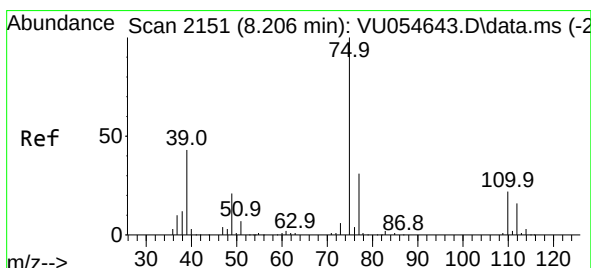
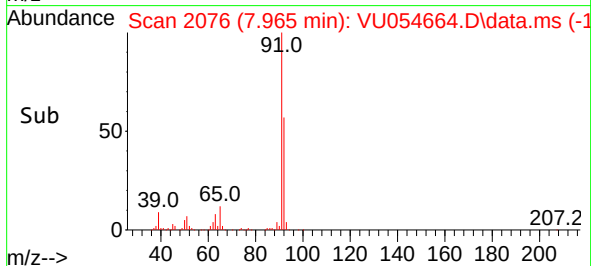
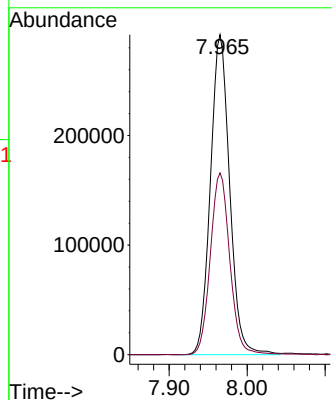
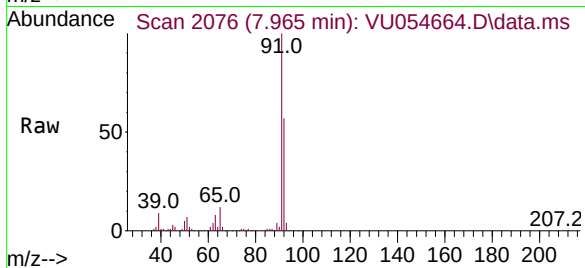
YBW82MS

Tgt Ion: 91 Resp: 501702

Ion Ratio Lower Upper

91 100

92 56.8 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 4.653 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU054664.D

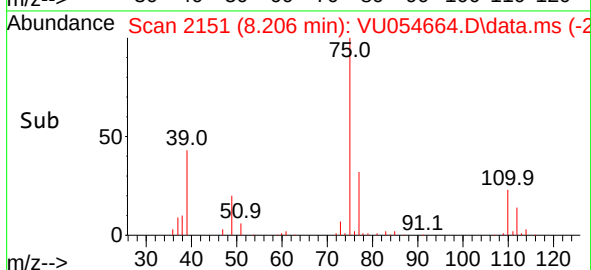
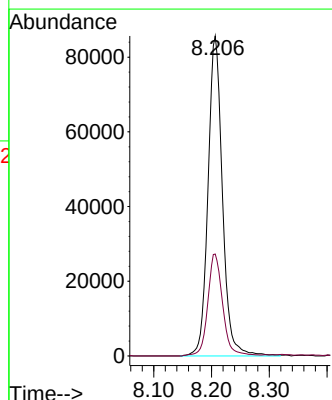
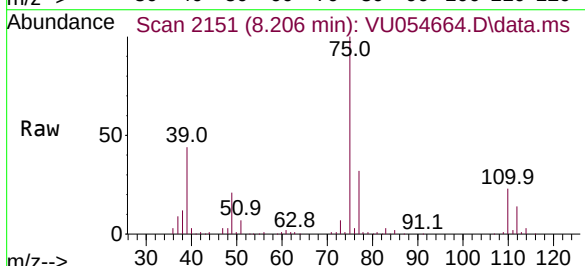
Acq: 22 Jun 2023 18:27

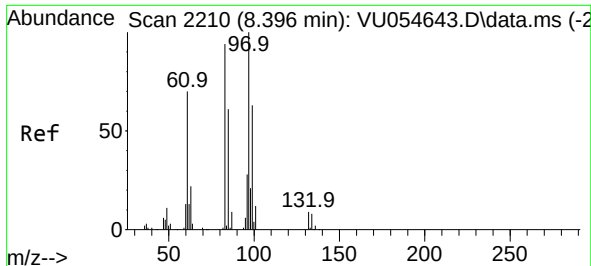
Tgt Ion: 75 Resp: 148817

Ion Ratio Lower Upper

75 100

77 31.9 21.3 39.6

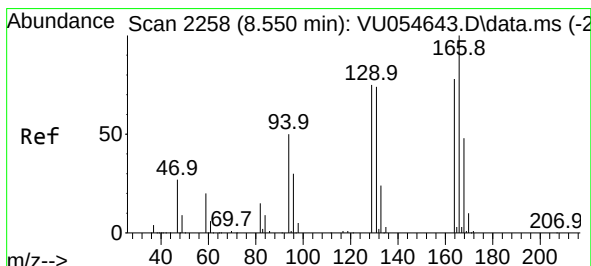
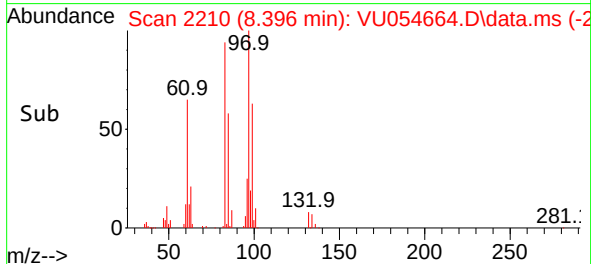
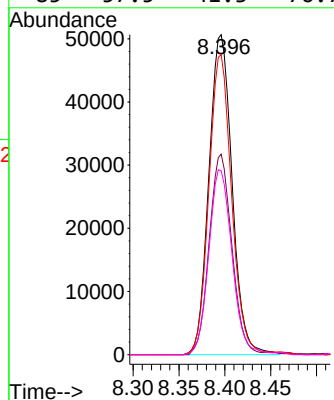
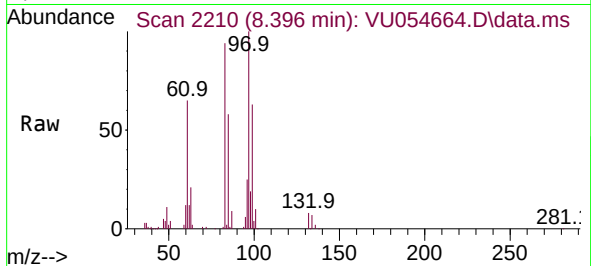




#45
1,1,2-Trichloroethane
Concen: 4.853 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VU054664.D
Acq: 22 Jun 2023 18:27

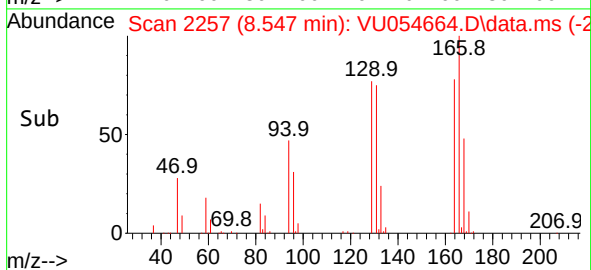
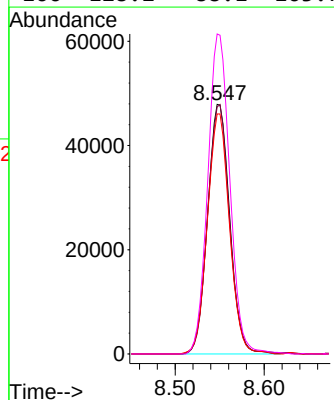
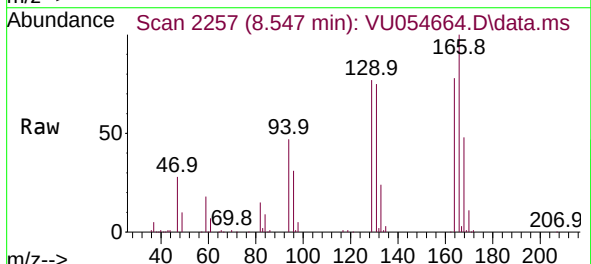
Instrument :
MSVOA_U
ClientSampleId :
YBW82MS

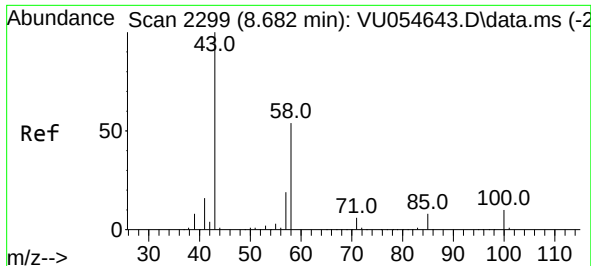
Tgt Ion:	97	Resp:	89126
Ion	Ratio	Lower	Upper
97	100		
99	62.7	43.0	80.0
83	93.8	63.8	118.6
85	57.5	41.3	76.7



#47
Tetrachloroethene
Concen: 3.842 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU054664.D
Acq: 22 Jun 2023 18:27

Tgt Ion:	164	Resp:	83021
Ion	Ratio	Lower	Upper
164	100		
129	99.0	67.7	125.7
131	96.1	64.6	120.0
166	128.2	88.1	163.7



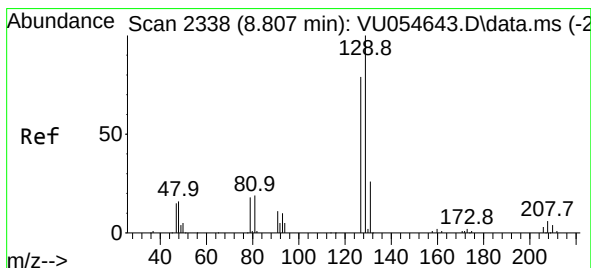
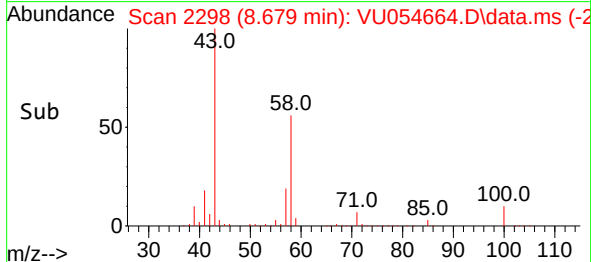
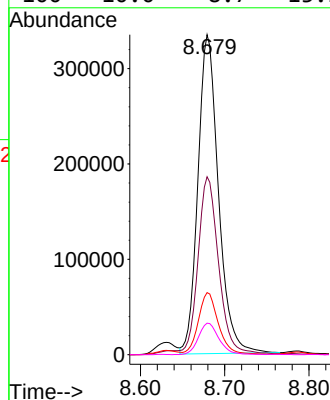
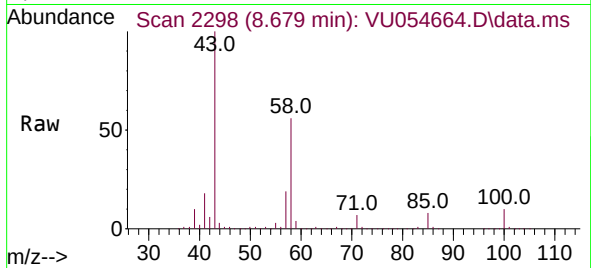


#48
2-Hexanone
Concen: 49.542 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU054664.D
Acq: 22 Jun 2023 18:27

Instrument :
MSVOA_U
ClientSampleId :
YBW82MS

Tgt Ion: 43 Resp: 568649

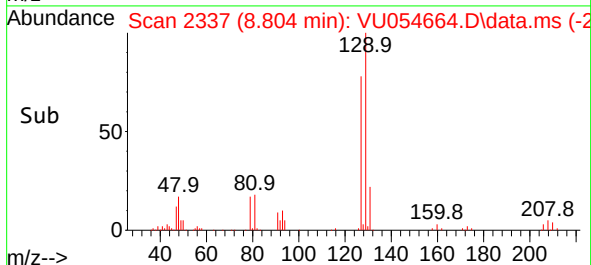
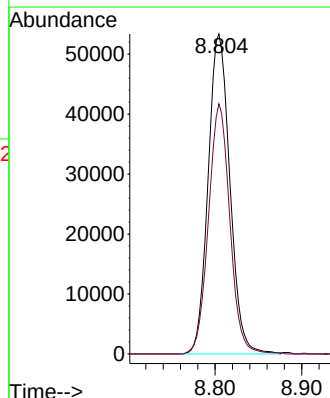
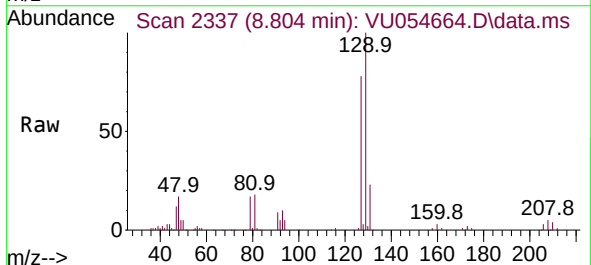
Ion	Ratio	Lower	Upper
43	100		
58	55.5	45.2	67.8
57	19.0	15.8	23.6
100	10.0	8.7	13.1

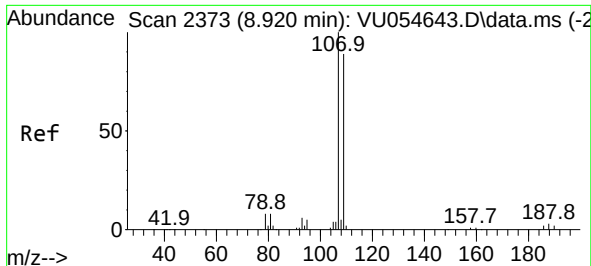


#49
Dibromochloromethane
Concen: 4.834 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.003 min
Lab File: VU054664.D
Acq: 22 Jun 2023 18:27

Tgt Ion: 129 Resp: 93210

Ion	Ratio	Lower	Upper
129	100		
127	78.1	53.2	98.8





#50

1,2-Dibromoethane

Concen: 4.630 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054664.D

Acq: 22 Jun 2023 18:27

Instrument :

MSVOA_U

ClientSampleId :

YBW82MS

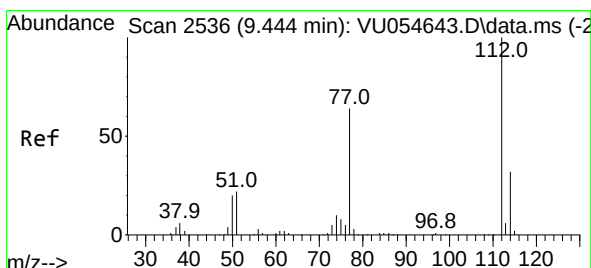
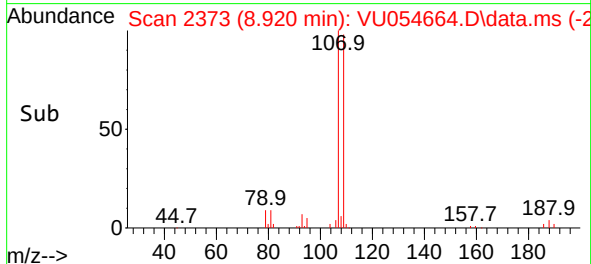
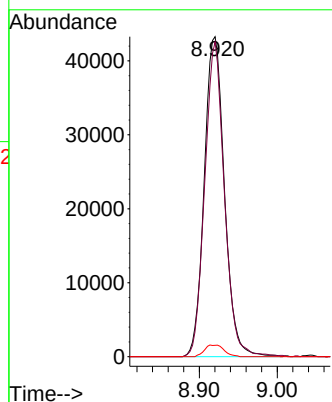
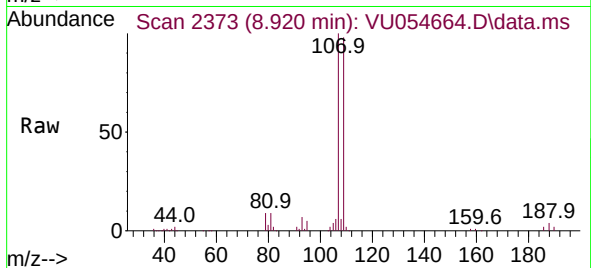
Tgt Ion:107 Resp: 78060

Ion Ratio Lower Upper

107 100

109 98.3 66.6 123.6

188 3.6 3.1 4.7



#51

Chlorobenzene

Concen: 4.427 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.003 min

Lab File: VU054664.D

Acq: 22 Jun 2023 18:27

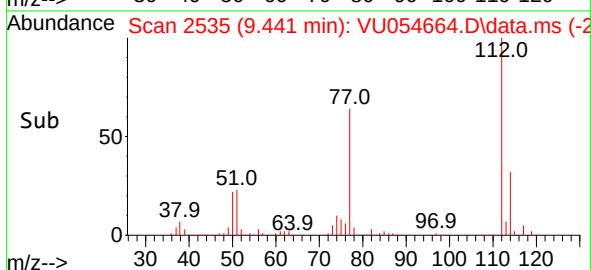
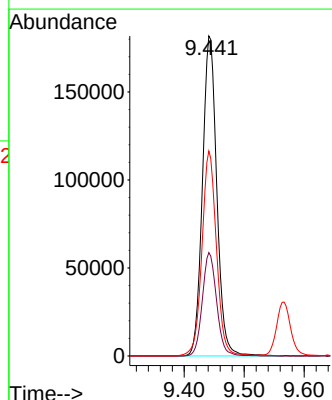
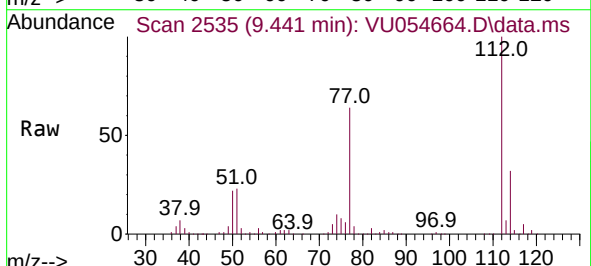
Tgt Ion:112 Resp: 303426

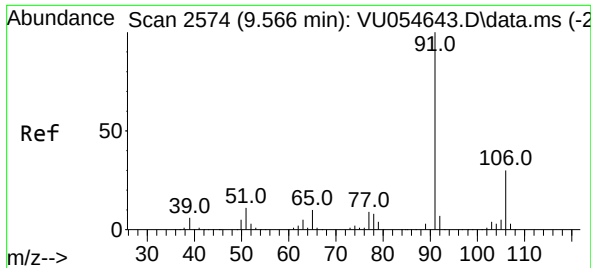
Ion Ratio Lower Upper

112 100

114 32.3 22.7 42.1

77 64.1 49.8 74.8

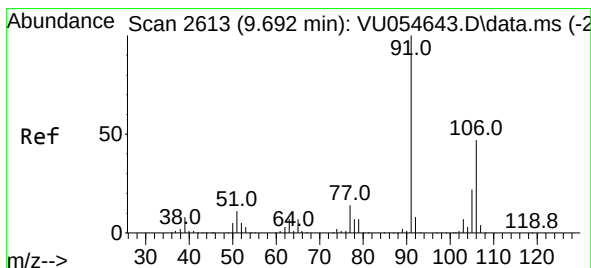
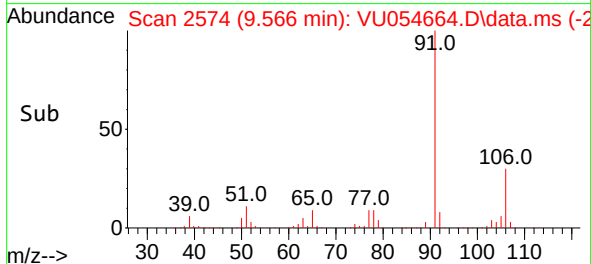
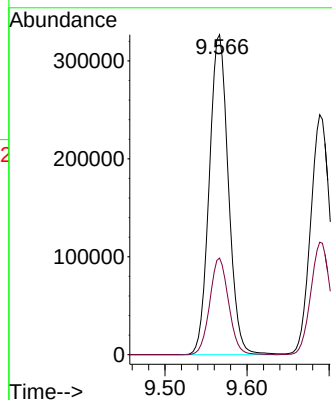
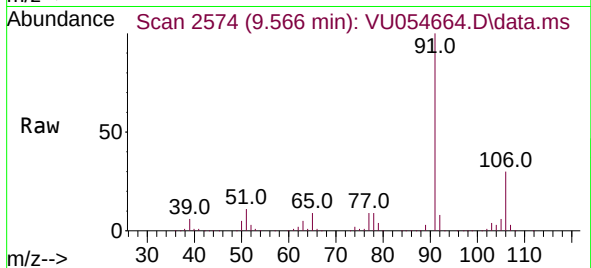




#52
Ethylbenzene
Concen: 4.402 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054664.D
Acq: 22 Jun 2023 18:27

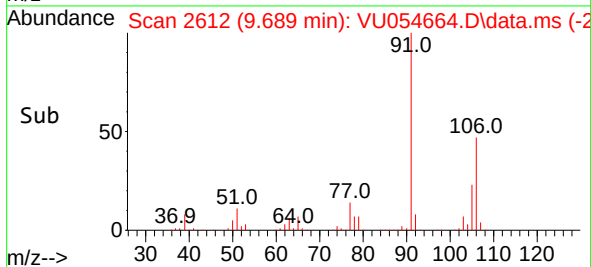
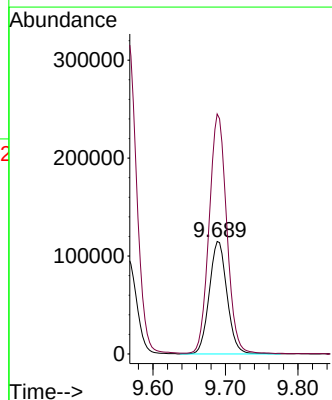
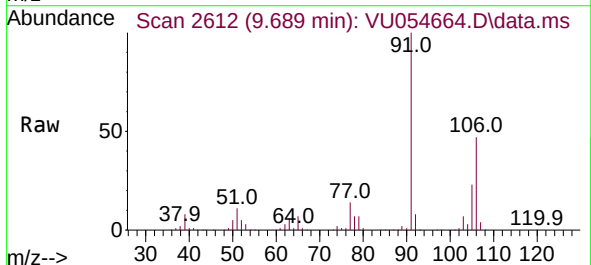
Instrument :
MSVOA_U
ClientSampleId :
YBW82MS

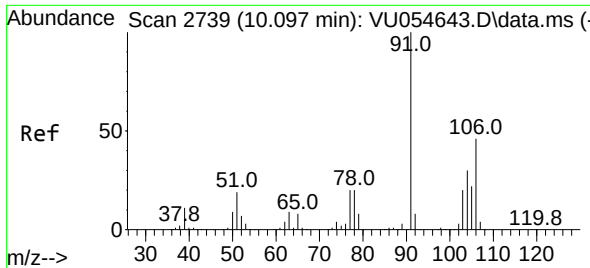
Tgt Ion: 91 Resp: 528539
Ion Ratio Lower Upper
91 100
106 30.2 21.1 39.3



#53
m,p-Xylene
Concen: 4.432 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU054664.D
Acq: 22 Jun 2023 18:27

Tgt Ion: 106 Resp: 195492
Ion Ratio Lower Upper
106 100
91 213.3 147.0 273.0

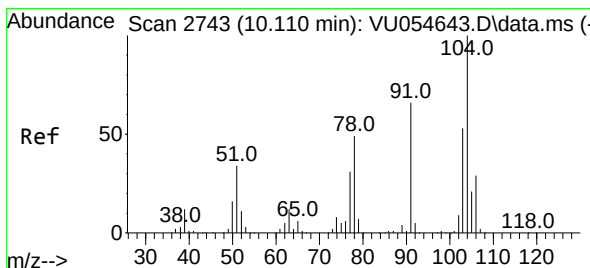
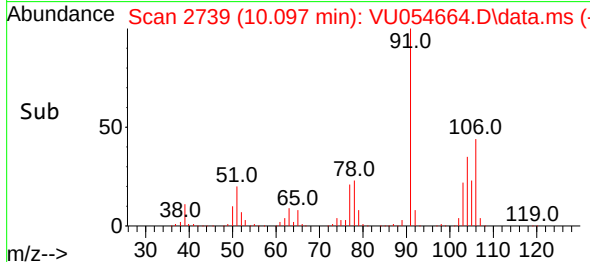
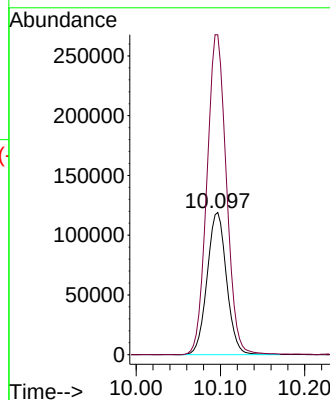
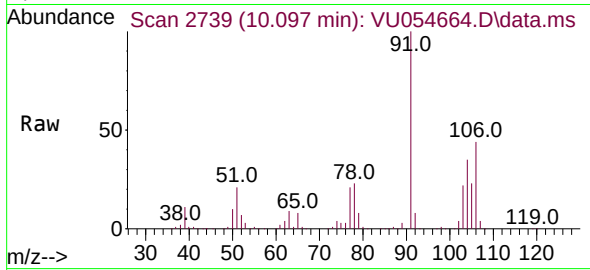




#54
o-Xylene
Concen: 4.480 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054664.D
Acq: 22 Jun 2023 18:27

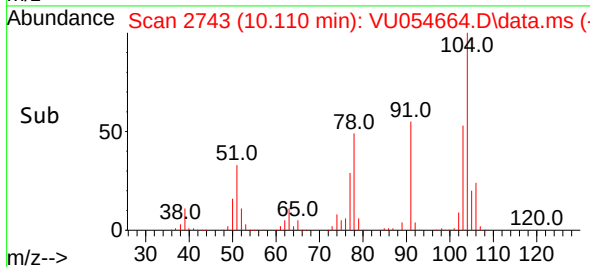
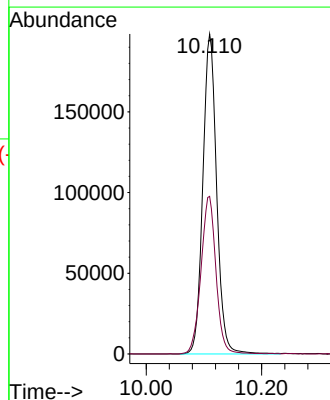
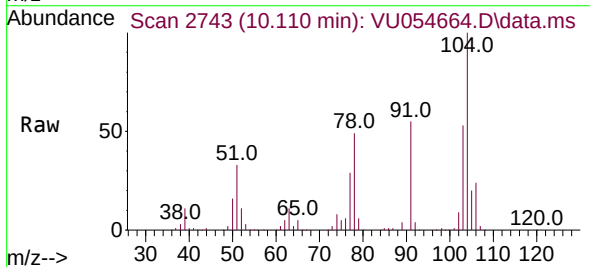
Instrument :
MSVOA_U
ClientSampleId :
YBW82MS

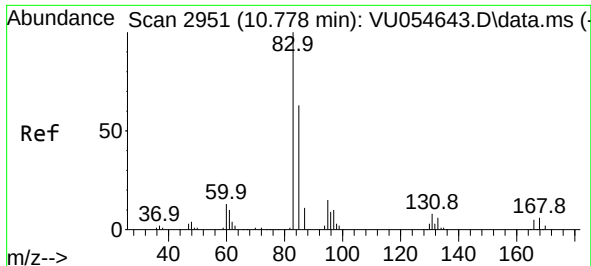
Tgt Ion:106 Resp: 191107
Ion Ratio Lower Upper
106 100
91 224.9 154.5 286.9



#55
Styrene
Concen: 4.597 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU054664.D
Acq: 22 Jun 2023 18:27

Tgt Ion:104 Resp: 329149
Ion Ratio Lower Upper
104 100
78 49.2 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 4.937 ug/L

RT: 10.775 min Scan# 2951

Delta R.T. -0.003 min

Lab File: VU054664.D

Acq: 22 Jun 2023 18:27

Instrument :

MSVOA_U

ClientSampleId :

YBW82MS

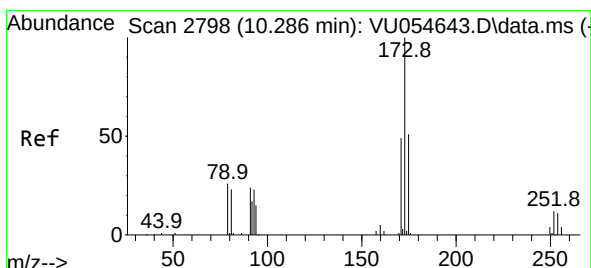
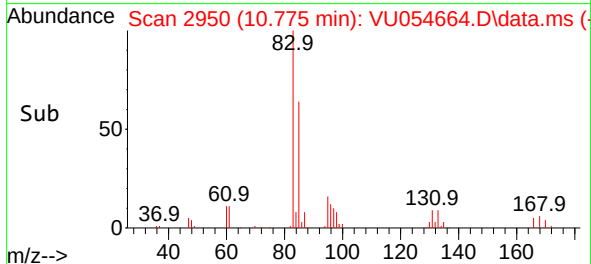
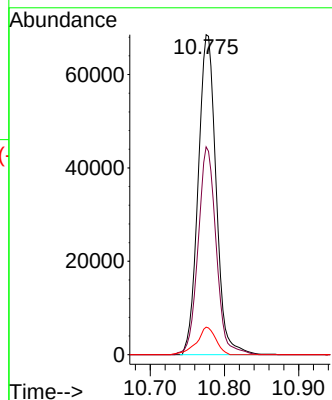
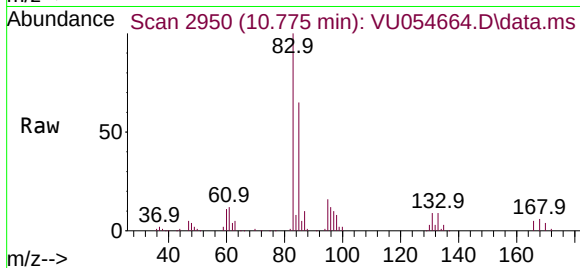
Tgt Ion: 83 Resp: 115150

Ion Ratio Lower Upper

83 100

85 64.9 44.2 82.2

131 8.6 7.0 10.6



#59

Bromoform

Concen: 5.030 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. 0.000 min

Lab File: VU054664.D

Acq: 22 Jun 2023 18:27

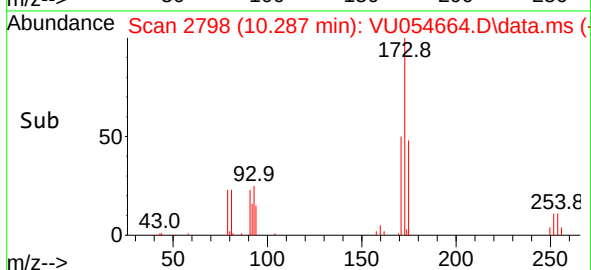
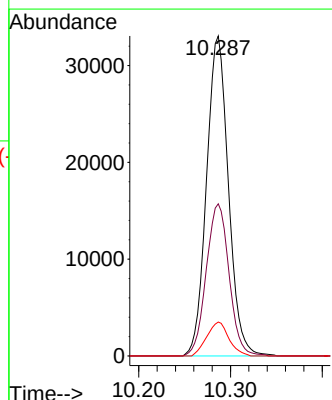
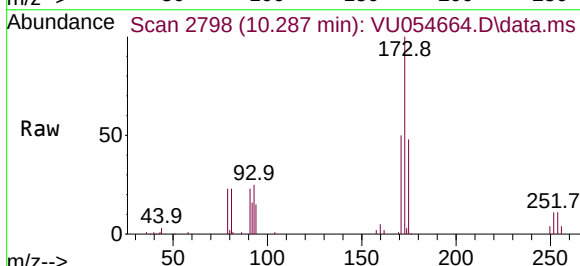
Tgt Ion:173 Resp: 54893

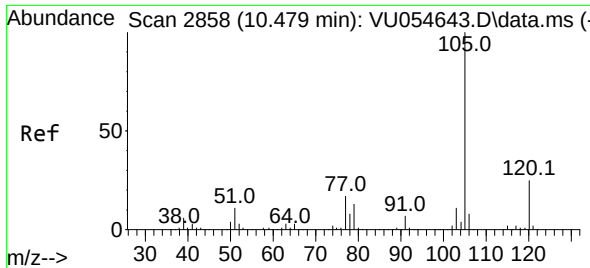
Ion Ratio Lower Upper

173 100

175 49.5 39.4 59.0

254 10.7 8.6 12.8

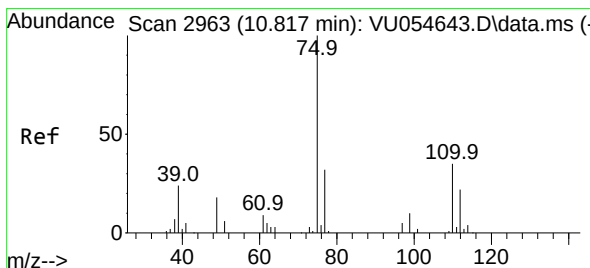
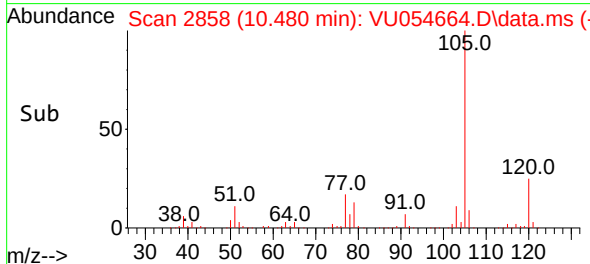
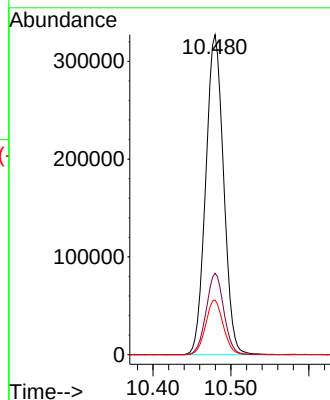
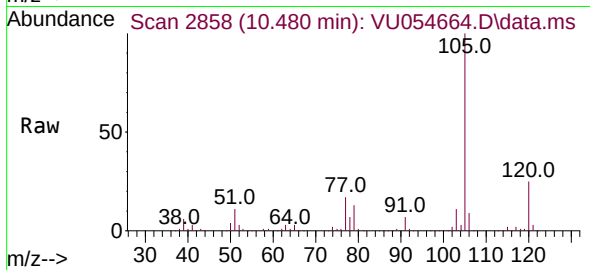




#60
Isopropylbenzene
Concen: 4.686 ug/L
RT: 10.480 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU054664.D
Acq: 22 Jun 2023 18:27

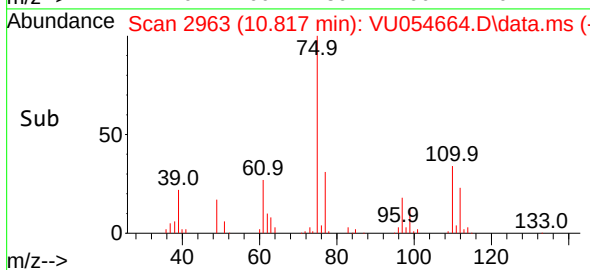
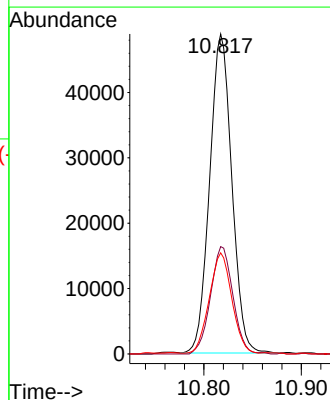
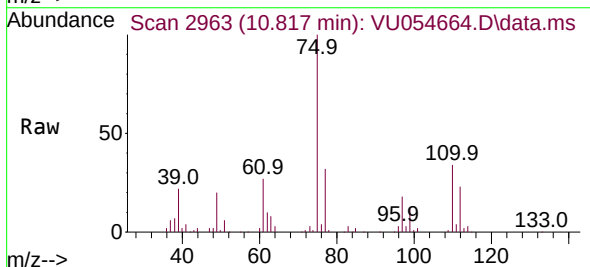
Instrument :
MSVOA_U
ClientSampleId :
YBW82MS

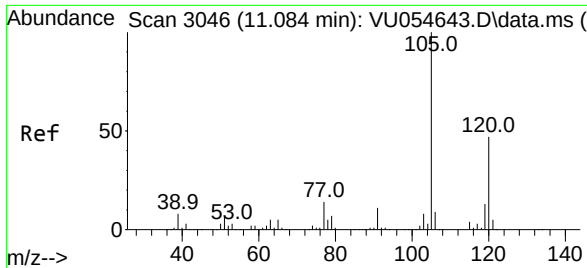
Tgt Ion:105 Resp: 521104
Ion Ratio Lower Upper
105 100
120 25.2 20.9 31.3
77 16.9 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 5.012 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU054664.D
Acq: 22 Jun 2023 18:27

Tgt Ion: 75 Resp: 77006
Ion Ratio Lower Upper
75 100
110 34.0 28.0 42.0
77 31.9 25.4 38.2

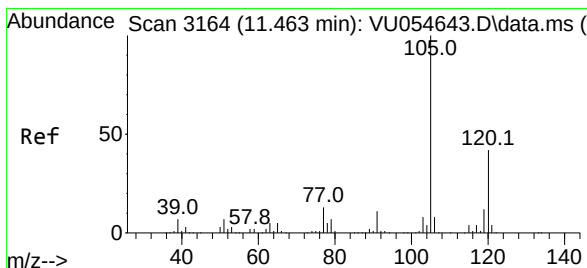
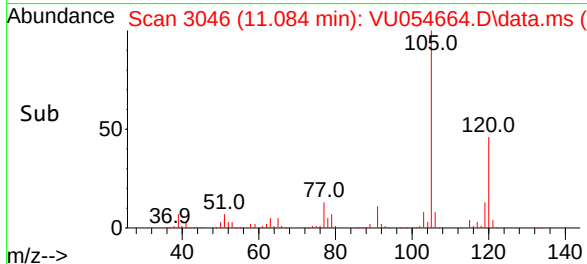
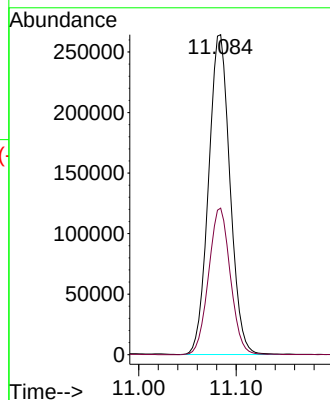
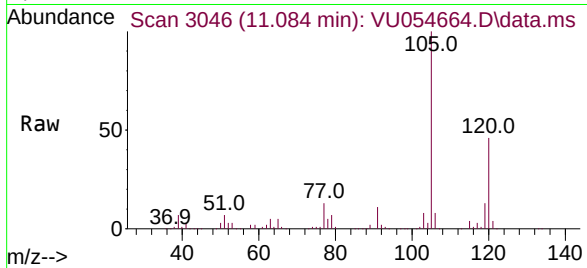




#62
 1,3,5-Trimethylbenzene
 Concen: 4.454 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. 0.000 min
 Lab File: VU054664.D
 Acq: 22 Jun 2023 18:27

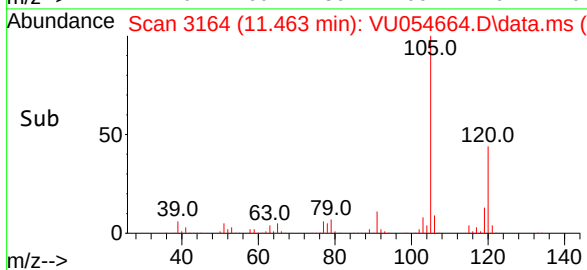
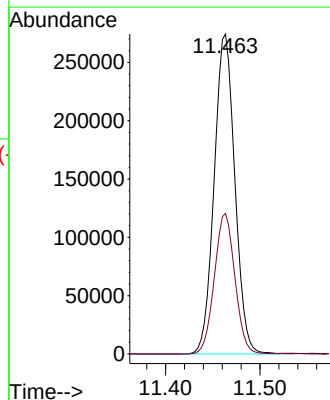
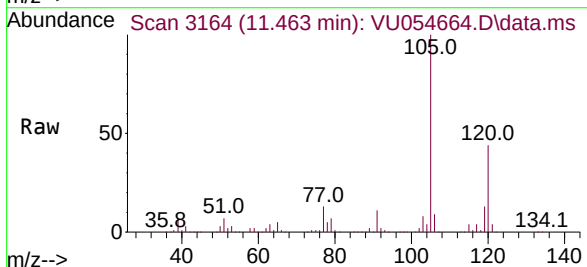
Instrument :
 MSVOA_U
 ClientSampleId :
 YBW82MS

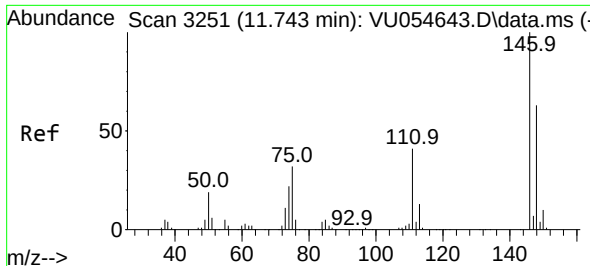
Tgt Ion:105 Resp: 404162
 Ion Ratio Lower Upper
 105 100
 120 46.4 37.9 56.9



#63
 1,2,4-Trimethylbenzene
 Concen: 4.524 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. 0.000 min
 Lab File: VU054664.D
 Acq: 22 Jun 2023 18:27

Tgt Ion:105 Resp: 416925
 Ion Ratio Lower Upper
 105 100
 120 43.5 35.4 53.0

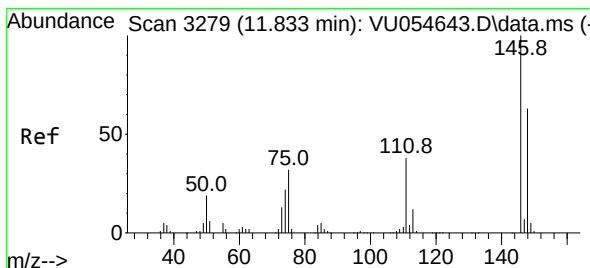
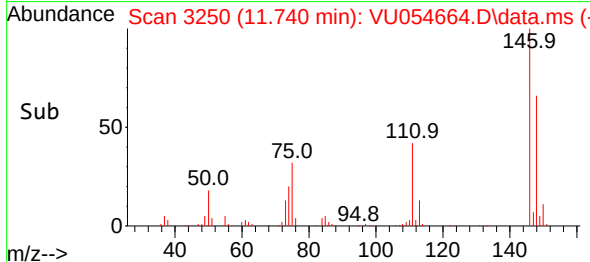
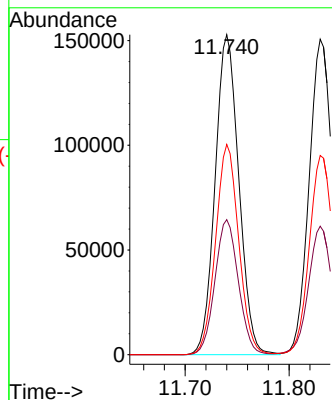
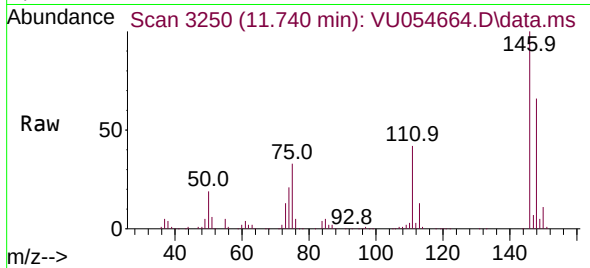




#64
1,3-Dichlorobenzene
Concen: 4.657 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU054664.D
Acq: 22 Jun 2023 18:27

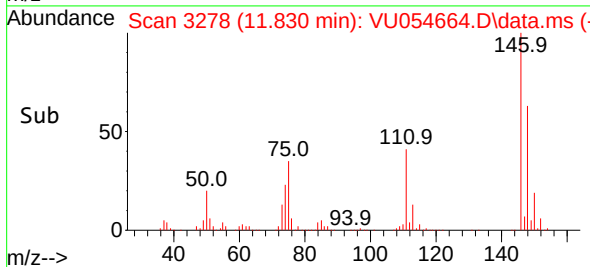
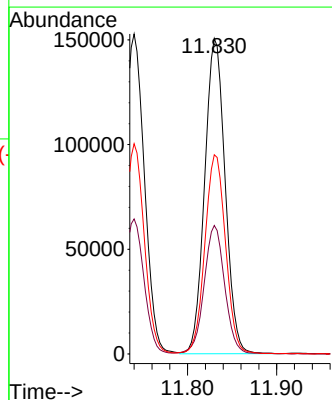
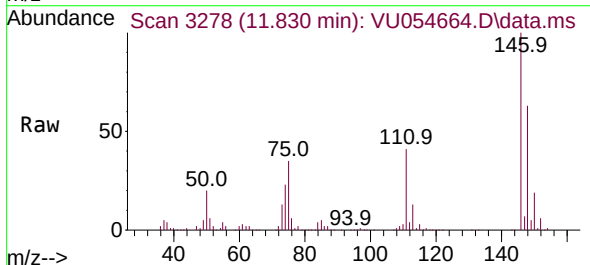
Instrument :
MSVOA_U
ClientSampleId :
YBW82MS

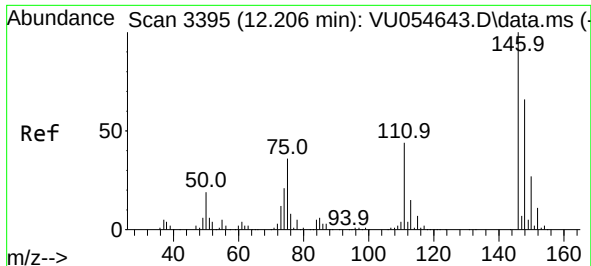
Tgt Ion:146 Resp: 242097
Ion Ratio Lower Upper
146 100
111 42.2 28.9 53.7
148 65.7 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 4.597 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU054664.D
Acq: 22 Jun 2023 18:27

Tgt Ion:146 Resp: 239813
Ion Ratio Lower Upper
146 100
111 40.7 28.0 52.0
148 63.1 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 4.717 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU054664.D

Acq: 22 Jun 2023 18:27

Instrument :

MSVOA_U

ClientSampleId :

YBW82MS

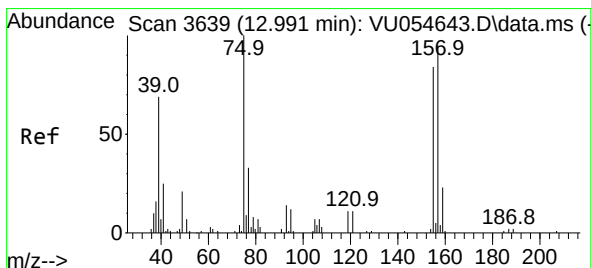
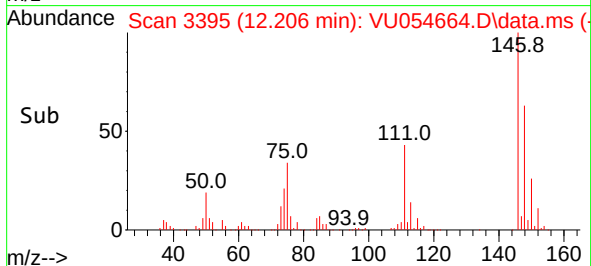
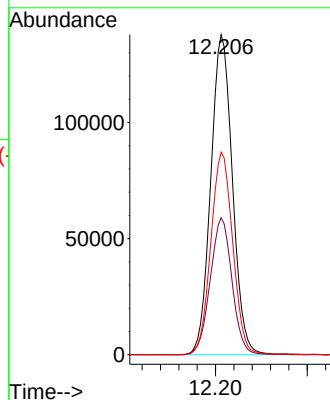
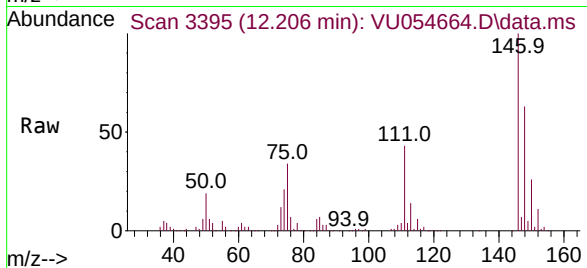
Tgt Ion:146 Resp: 225523

Ion Ratio Lower Upper

146 100

111 42.8 34.5 51.7

148 63.3 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 5.348 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU054664.D

Acq: 22 Jun 2023 18:27

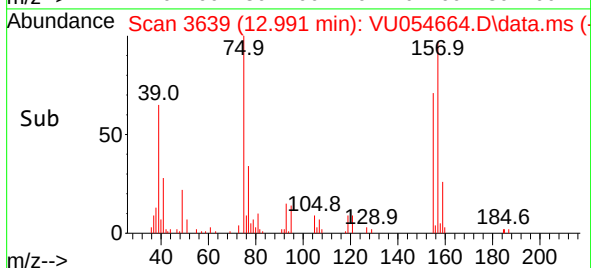
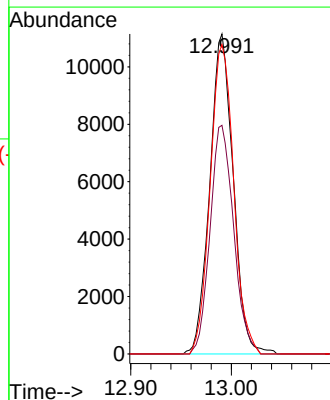
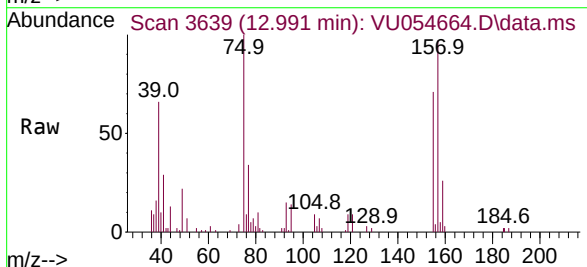
Tgt Ion: 75 Resp: 18056

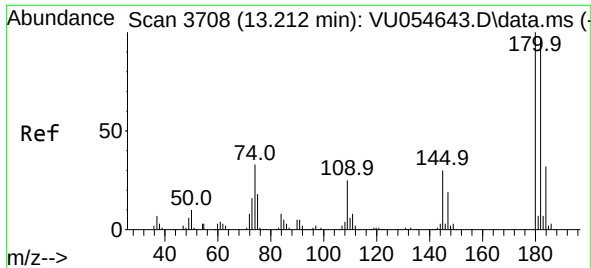
Ion Ratio Lower Upper

75 100

155 71.4 65.7 98.5

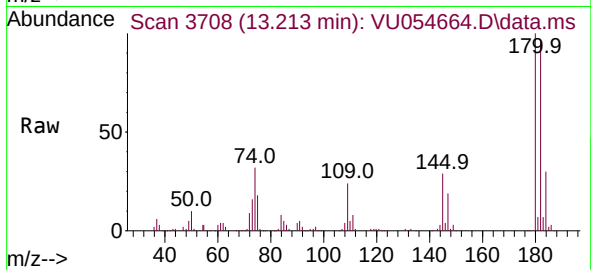
157 96.7 84.2 126.2



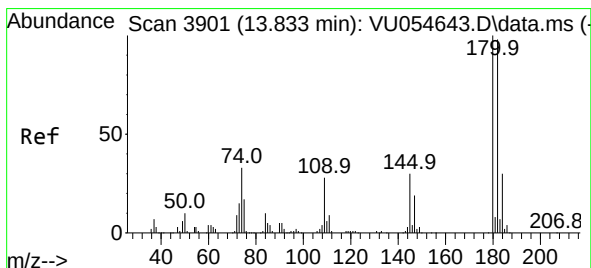
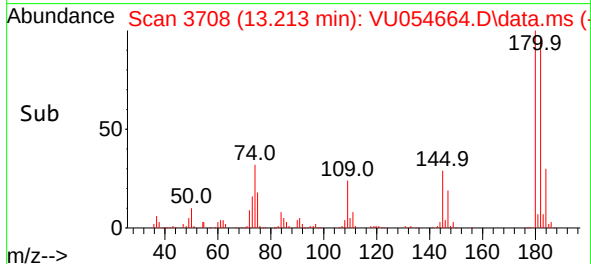
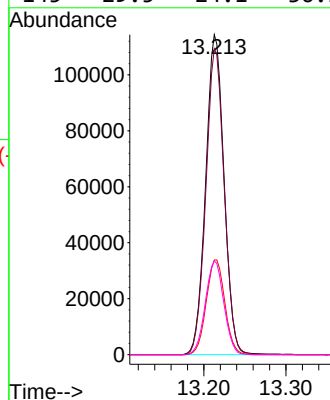


#69
 1,3,5-Trichlorobenzene
 Concen: 4.528 ug/L
 RT: 13.213 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU054664.D
 Acq: 22 Jun 2023 18:27

Instrument :
 MSVOA_U
 ClientSampleId :
 YBW82MS

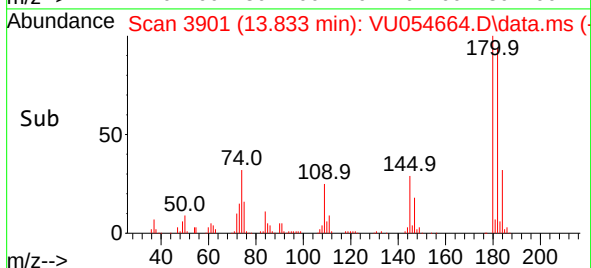
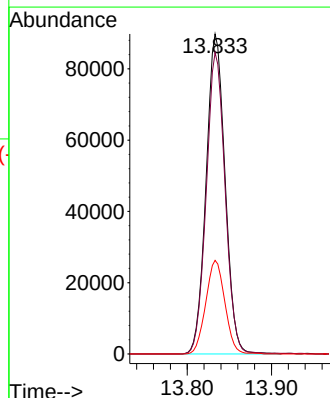
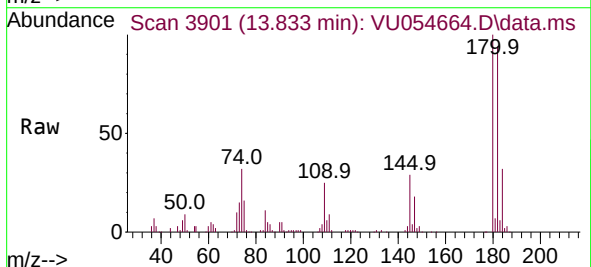


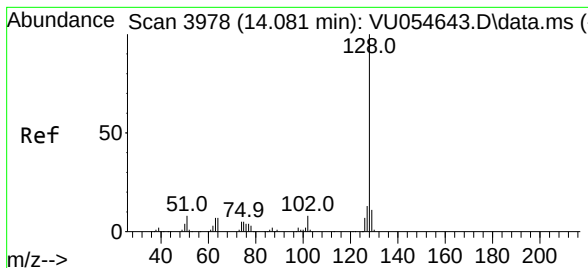
Tgt Ion:180 Resp: 177607
 Ion Ratio Lower Upper
 180 100
 182 95.5 75.0 112.6
 184 29.9 24.1 36.1
 145 29.5 24.1 36.1



#70
 1,2,4-trichlorobenzene
 Concen: 4.334 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. 0.000 min
 Lab File: VU054664.D
 Acq: 22 Jun 2023 18:27

Tgt Ion:180 Resp: 140559
 Ion Ratio Lower Upper
 180 100
 182 93.8 76.6 114.8
 145 29.5 24.0 36.0





#71

Naphthalene

Concen: 4.175 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU054664.D

Acq: 22 Jun 2023 18:27

Instrument :

MSVOA_U

ClientSampleId :

YBW82MS

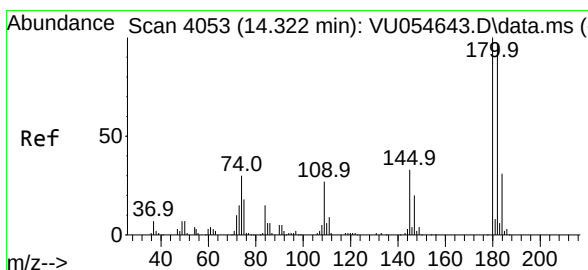
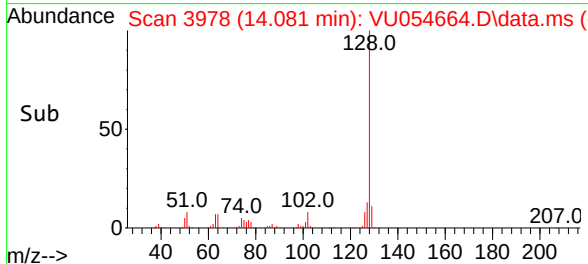
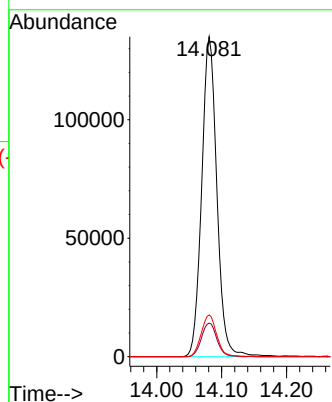
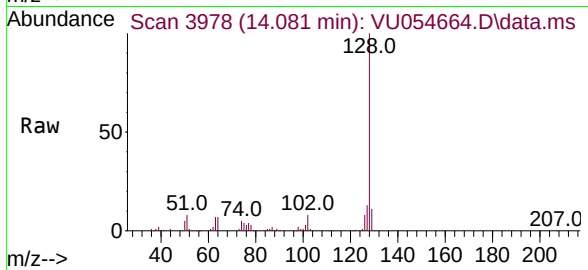
Tgt Ion:128 Resp: 220162

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

127 13.3 10.6 15.8



#72

1,2,3-Trichlorobenzene

Concen: 4.442 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU054664.D

Acq: 22 Jun 2023 18:27

Tgt Ion:180 Resp: 123774

Ion Ratio Lower Upper

180 100

182 97.1 75.4 113.2

145 31.3 26.0 39.0

