

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060723\
 Data File : VU054407.D
 Acq On : 07 Jun 2023 12:30
 Operator : MD/SY
 Sample : VSTD00533
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005033

Quant Time: Jun 08 01:05:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jun 08 01:03:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	361698	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	337635	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	181287	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	111118	4.827	ug/L	0.00
7) Chloroethane-d5	1.914	69	100992	4.686	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.567	65	48934	4.760	ug/L	0.00
20) 2-Butanone-d5	4.631	46	325365	50.273	ug/L	0.00
24) Chloroform-d	5.059	84	235259	4.889	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	114627	4.887	ug/L	0.00
32) Benzene-d6	5.724	84	452423	4.820	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	153173	4.887	ug/L	0.00
41) Toluene-d8	7.894	98	410901	4.933	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	52645	4.830	ug/L	0.00
46) 2-Hexanone-d5	8.628	63	234307	51.238	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.750	84	114395	4.894	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	147030	4.808	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	191716	5.673	ug/L	100
3) Chloromethane	1.518	50	214534	5.526	ug/L	100
5) Vinyl chloride	1.605	62	221351	5.555	ug/L	100
6) Bromomethane	1.859	94	121055	5.525	ug/L	100
8) Chloroethane	1.933	64	131098	5.488	ug/L	100
9) Trichlorofluoromethane	2.136	101	275331	5.620	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.580	101	162387	5.666	ug/L	100
12) 1,1-Dichloroethene	2.580	96	148810	5.672	ug/L	100
13) Acetone	2.644	43	351836	57.657	ug/L	100
14) Carbon disulfide	2.792	76	435247	5.595	ug/L	100
15) Methyl Acetate	2.956	43	64514	5.705	ug/L	100
16) Methylene chloride	3.043	84	171995	4.662	ug/L	100
17) Methyl tert-butyl Ether	3.361	73	370658	5.724	ug/L	100
18) trans-1,2-Dichloroethene	3.351	96	150752	5.566	ug/L	100
19) 1,1-Dichloroethane	3.866	63	317938	5.672	ug/L	100
21) 2-Butanone	4.708	43	474697	56.681	ug/L	100
22) cis-1,2-Dichloroethene	4.663	96	173042	5.610	ug/L	100
23) Bromochloromethane	4.968	128	72721	5.666	ug/L	100
25) Chloroform	5.081	83	315736	5.713	ug/L	100
27) 1,2-Dichloroethane	5.788	62	182527	5.635	ug/L	100
29) 1,1,1-Trichloroethane	5.313	97	262492	5.733	ug/L	100
30) Cyclohexane	5.383	56	282447	5.664	ug/L	100
31) Carbon tetrachloride	5.518	117	225073	5.705	ug/L	100
33) Benzene	5.769	78	680389	5.607	ug/L	100
34) Trichloroethene	6.538	95	178966	5.577	ug/L	100
35) Methylcyclohexane	6.759	83	269915	5.565	ug/L	100
37) 1,2-Dichloropropane	6.785	63	184597	5.626	ug/L	100
38) Bromodichloromethane	7.100	83	209421	5.639	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	260528	5.816	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	1027424	58.681	ug/L	100
42) Toluene	7.965	91	726298	5.812	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	211165	5.809	ug/L	100

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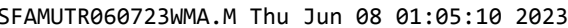
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005033

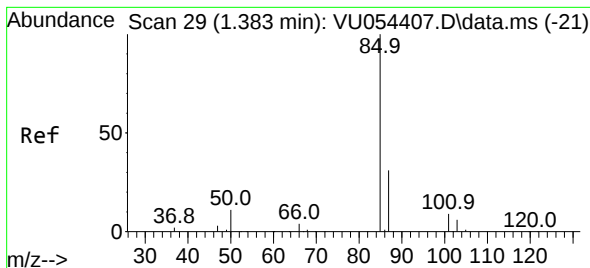
Quant Time: Jun 08 01:05:01 2023
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jun 08 01:03:32 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.396	97	121720	5.832	ug/L	100
47) Tetrachloroethene	8.547	164	132815	5.407	ug/L	100
48) 2-Hexanone	8.679	43	765552	58.681	ug/L	100
49) Dibromochloromethane	8.804	129	126013	5.750	ug/L	100
50) 1,2-Dibromoethane	8.920	107	109915	5.736	ug/L	100
51) Chlorobenzene	9.441	112	436025	5.598	ug/L	100
52) Ethylbenzene	9.566	91	778597	5.705	ug/L	100
53) m,p-Xylene	9.689	106	294468	5.873	ug/L	100
54) o-Xylene	10.097	106	283316	5.844	ug/L	100
55) Styrene	10.110	104	487393	5.989	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	150786	5.687	ug/L	100
59) Bromoform	10.287	173	73784	5.669	ug/L	100
60) Isopropylbenzene	10.480	105	769328	5.801	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	104056	5.680	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	633425	5.854	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	641042	5.833	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	354149	5.713	ug/L	100
65) 1,4-Dichlorobenzene	11.830	146	348595	5.603	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	324089	5.684	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.991	75	22199	5.514	ug/L	100
69) 1,3,5-Trichlorobenzene	13.213	180	259186	5.542	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	210430	5.441	ug/L	100
71) Naphthalene	14.081	128	332749	5.291	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	183467	5.522	ug/L	100

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

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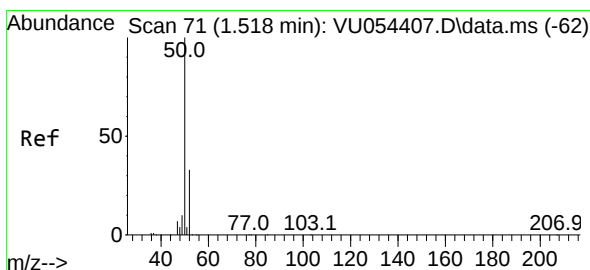
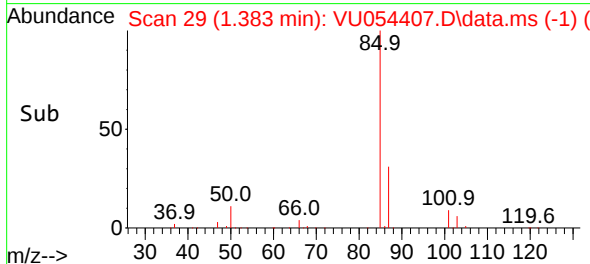
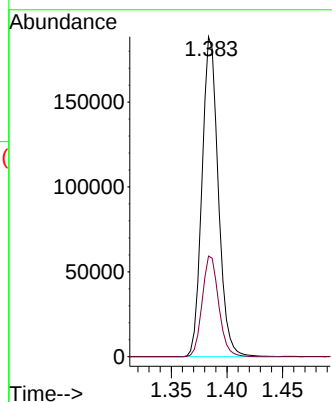
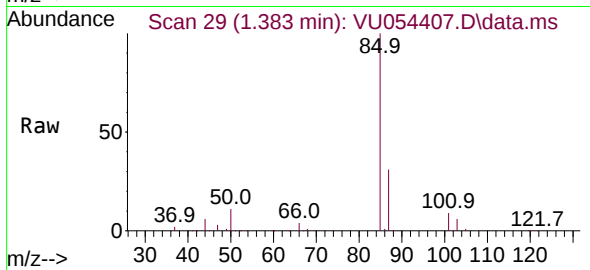




#2
 Dichlorodifluoromethane
 Concen: 5.673 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU054407.D
 Acq: 07 Jun 2023 12:30

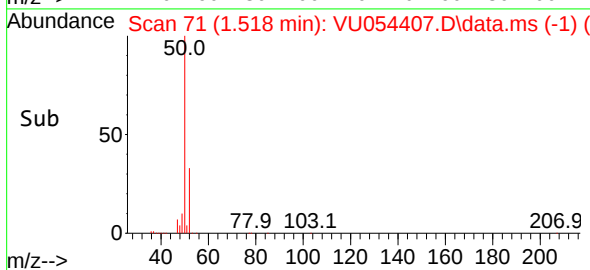
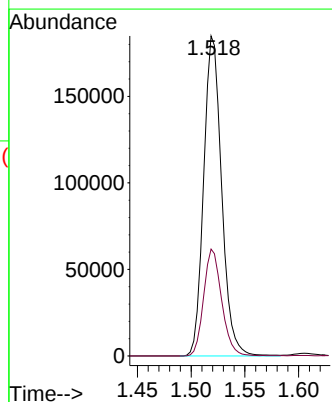
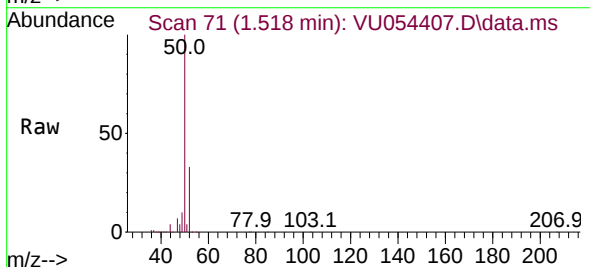
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005033

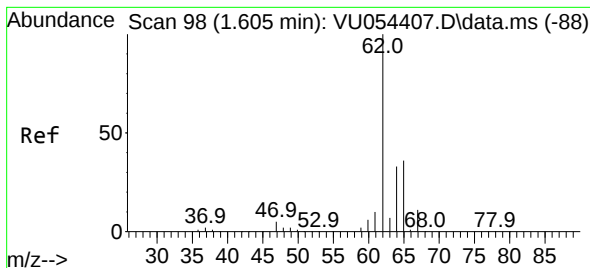
Tgt Ion: 85 Resp: 191716
 Ion Ratio Lower Upper
 85 100
 87 31.8 25.4 38.2



#3
 Chloromethane
 Concen: 5.526 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU054407.D
 Acq: 07 Jun 2023 12:30

Tgt Ion: 50 Resp: 214534
 Ion Ratio Lower Upper
 50 100
 52 33.4 23.4 43.4





#5

Vinyl chloride

Concen: 5.555 ug/L

RT: 1.605 min Scan# 98

Delta R.T. 0.000 min

Lab File: VU054407.D

Acq: 07 Jun 2023 12:30

Instrument :

MSVOA_U

ClientSampleId :

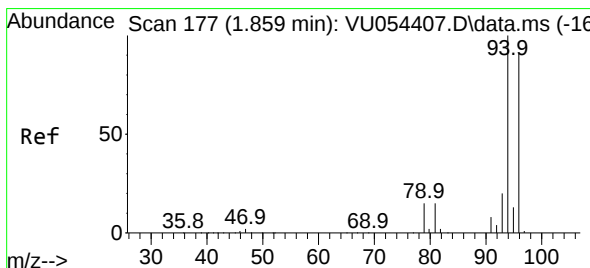
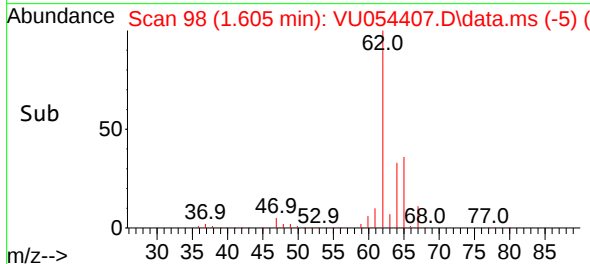
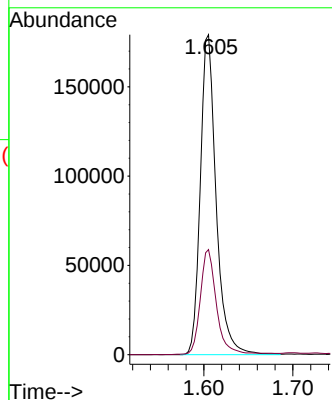
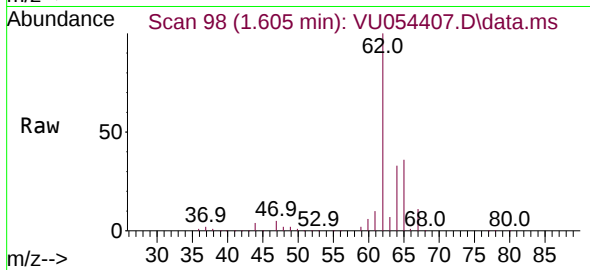
VSTD005033

Tgt Ion: 62 Resp: 221351

Ion Ratio Lower Upper

62 100

64 32.8 23.0 42.6



#6

Bromomethane

Concen: 5.525 ug/L

RT: 1.859 min Scan# 177

Delta R.T. 0.000 min

Lab File: VU054407.D

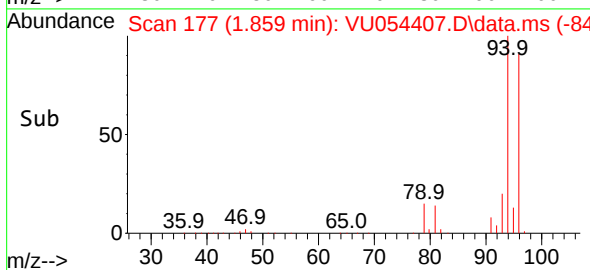
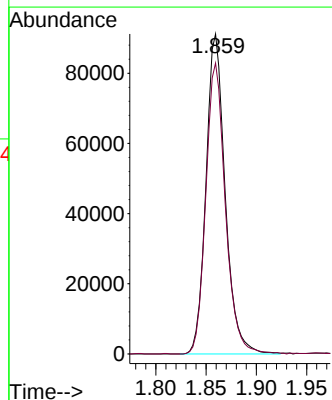
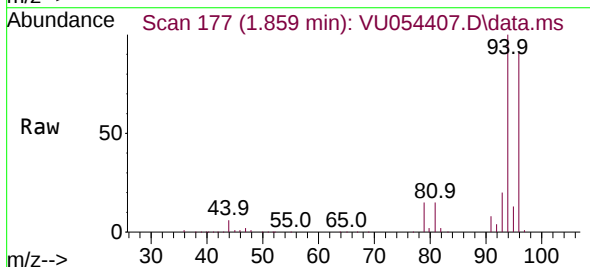
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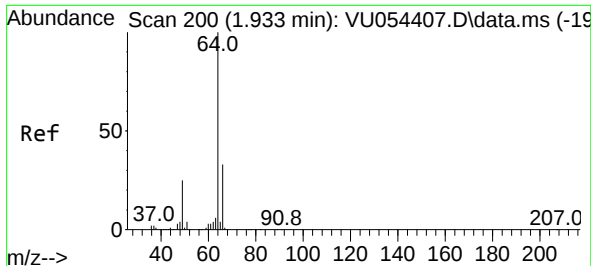
Tgt Ion: 94 Resp: 121055

Ion Ratio Lower Upper

94 100

96 90.9 63.6 118.2

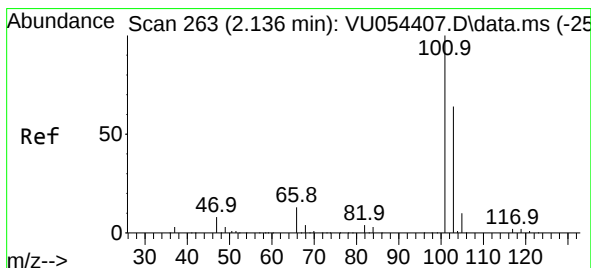
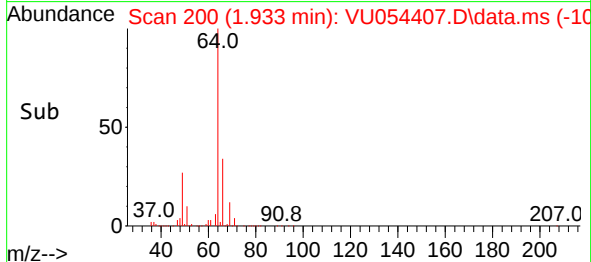
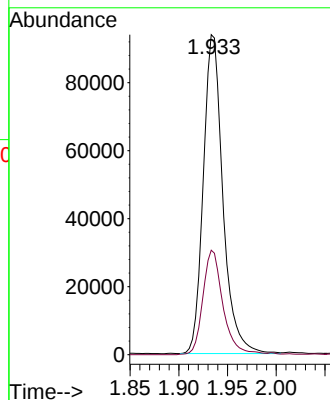
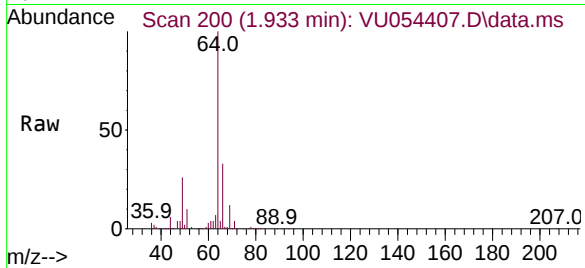




#8
Chloroethane
Concen: 5.488 ug/L
RT: 1.933 min Scan# 200
Delta R.T. 0.000 min
Lab File: VU054407.D
Acq: 07 Jun 2023 12:30

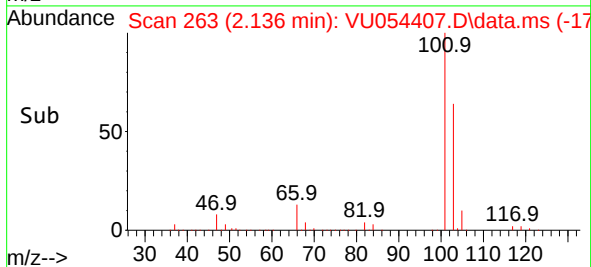
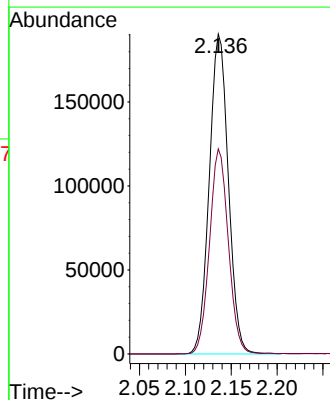
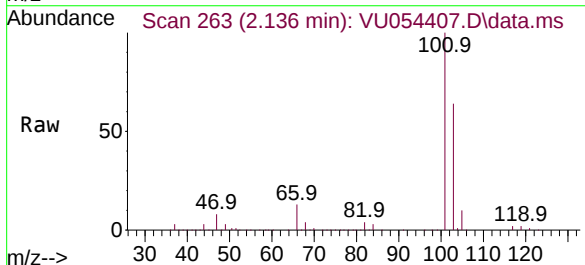
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ClientSampleId :
VSTD005033

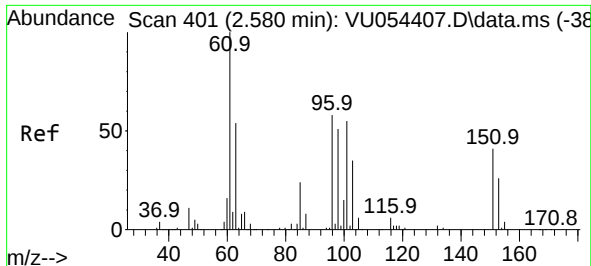
Tgt Ion: 64 Resp: 131098
Ion Ratio Lower Upper
64 100
66 32.7 22.9 42.5



#9
Trichlorofluoromethane
Concen: 5.620 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU054407.D
Acq: 07 Jun 2023 12:30

Tgt Ion:101 Resp: 275331
Ion Ratio Lower Upper
101 100
103 63.2 50.6 75.8

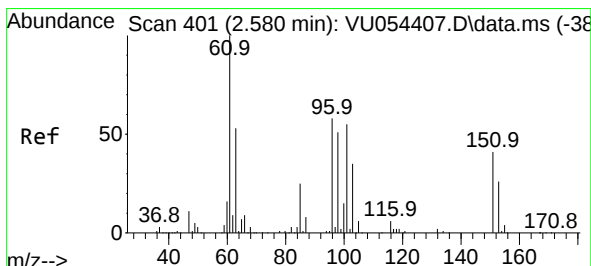
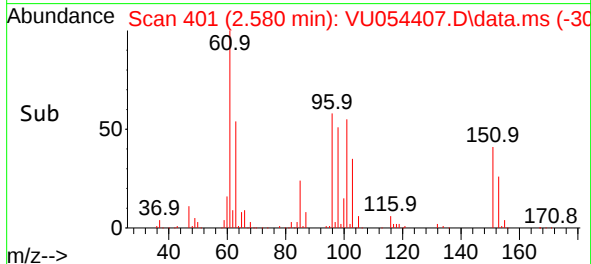
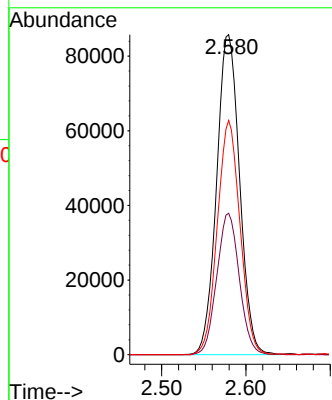
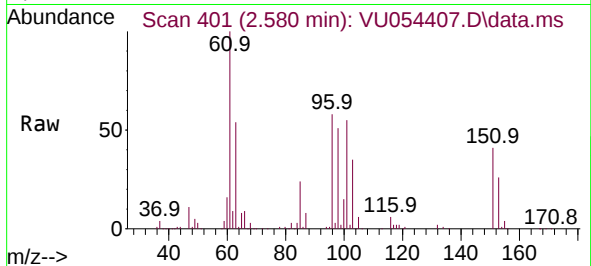




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.666 ug/L
 RT: 2.580 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VU054407.D
 Acq: 07 Jun 2023 12:30

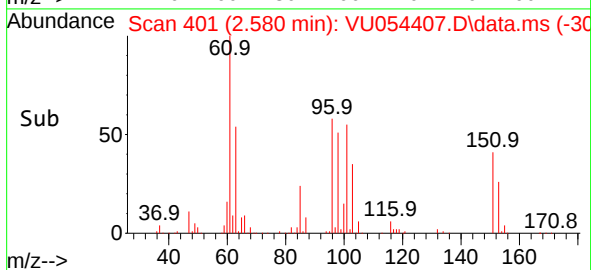
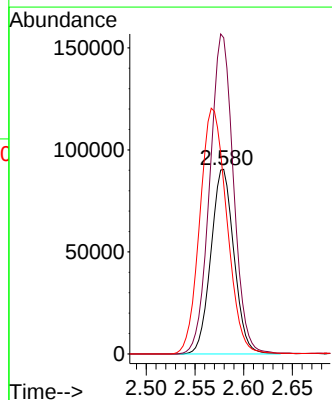
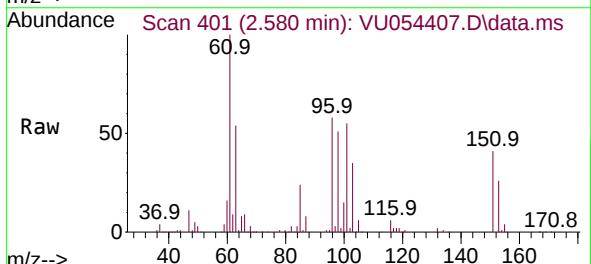
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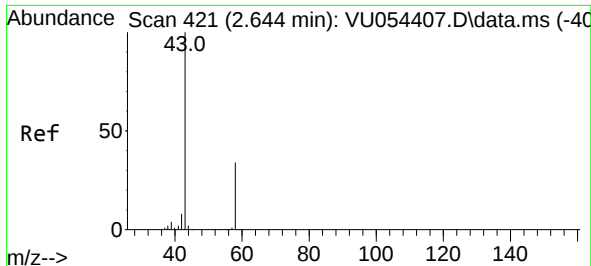
Tgt Ion:101 Resp: 162387
 Ion Ratio Lower Upper
 101 100
 85 43.2 34.6 51.8
 151 72.1 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 5.672 ug/L
 RT: 2.580 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VU054407.D
 Acq: 07 Jun 2023 12:30

Tgt Ion: 96 Resp: 148810
 Ion Ratio Lower Upper
 96 100
 61 171.3 119.9 222.7
 63 91.8 64.3 119.3





#13

Acetone

Concen: 57.657 ug/L

RT: 2.644 min Scan# 421

Delta R.T. 0.000 min

Lab File: VU054407.D

Acq: 07 Jun 2023 12:30

Instrument :

MSVOA_U

ClientSampleId :

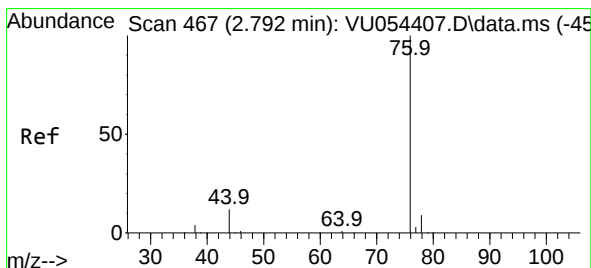
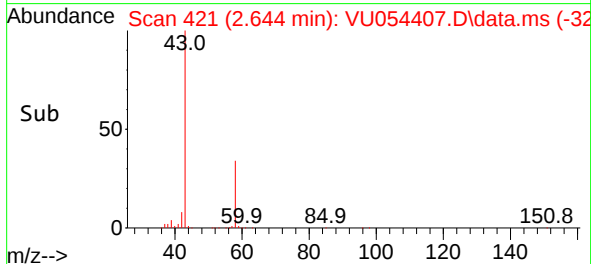
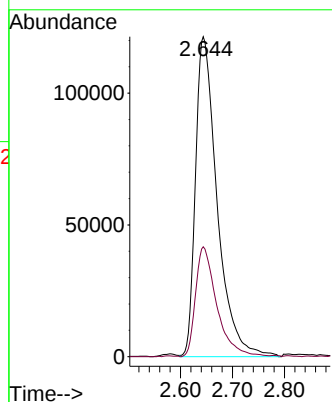
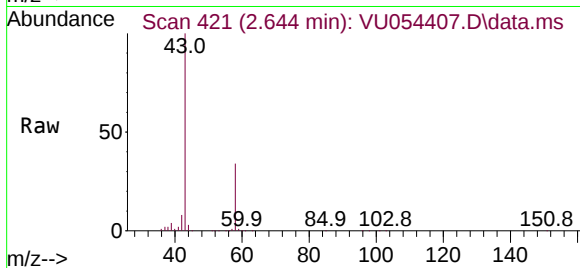
VSTD005033

Tgt Ion: 43 Resp: 351836

Ion Ratio Lower Upper

43 100

58 33.6 0.0 67.2



#14

Carbon disulfide

Concen: 5.595 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.000 min

Lab File: VU054407.D

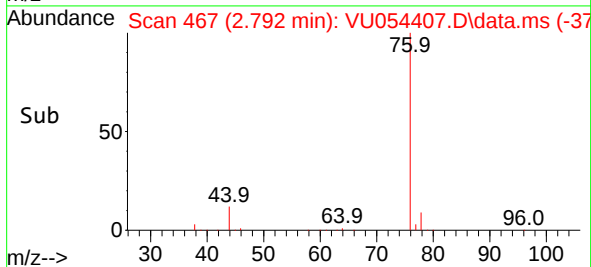
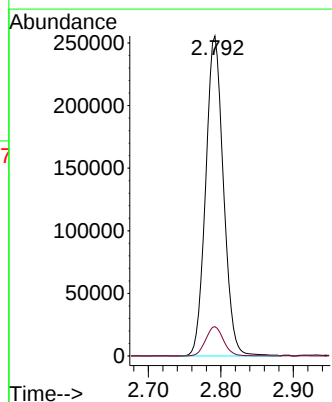
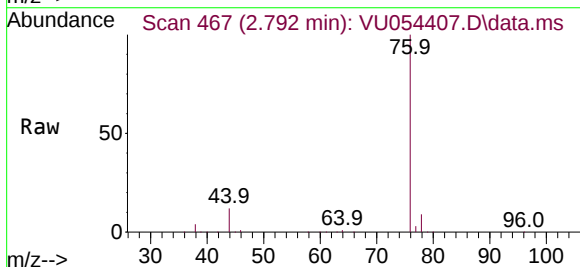
Acq: 07 Jun 2023 12:30

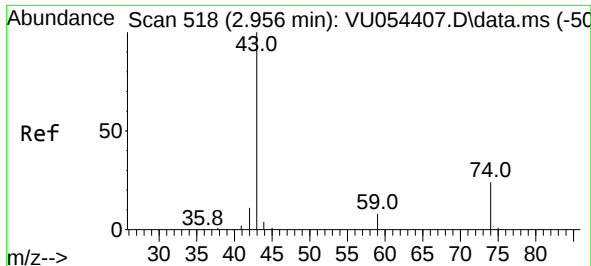
Tgt Ion: 76 Resp: 435247

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

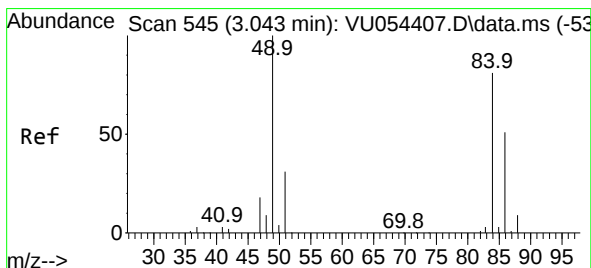
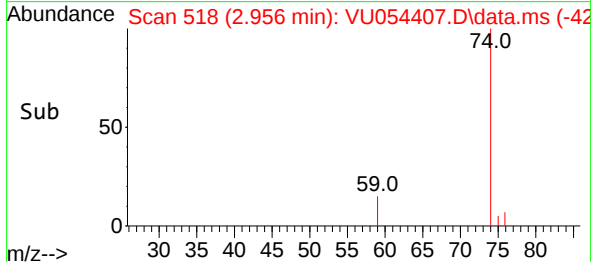
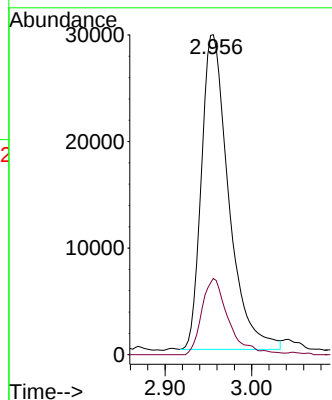
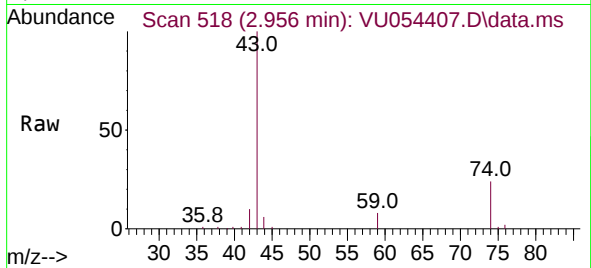




#15
Methyl Acetate
Concen: 5.705 ug/L
RT: 2.956 min Scan# 518
Delta R.T. 0.000 min
Lab File: VU054407.D
Acq: 07 Jun 2023 12:30

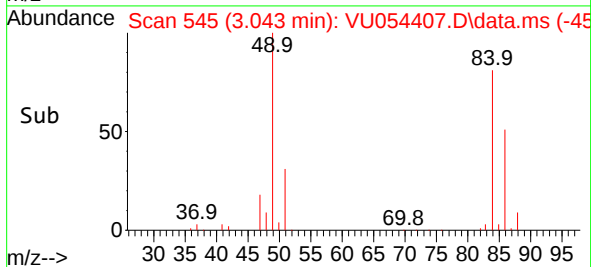
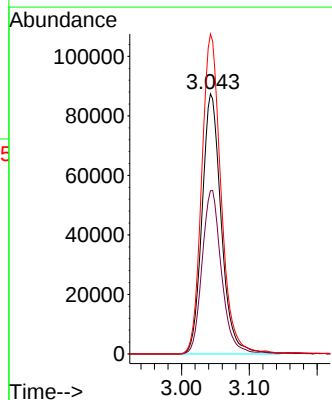
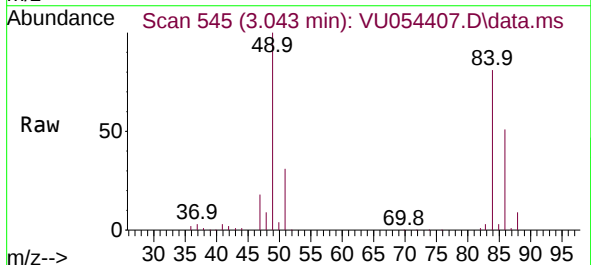
Instrument :
MSVOA_U
ClientSampleId :
VSTD005033

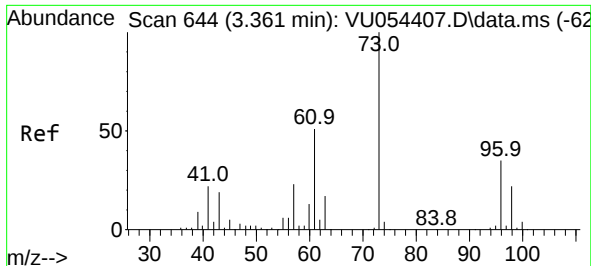
Tgt Ion: 43 Resp: 64514
Ion Ratio Lower Upper
43 100
74 23.8 19.0 28.6



#16
Methylene chloride
Concen: 4.662 ug/L
RT: 3.043 min Scan# 545
Delta R.T. 0.000 min
Lab File: VU054407.D
Acq: 07 Jun 2023 12:30

Tgt Ion: 84 Resp: 171995
Ion Ratio Lower Upper
84 100
86 62.7 43.9 81.5
49 123.0 86.1 159.9

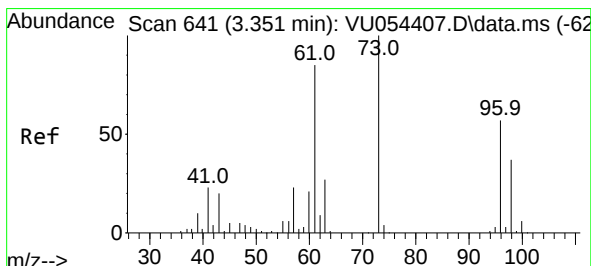
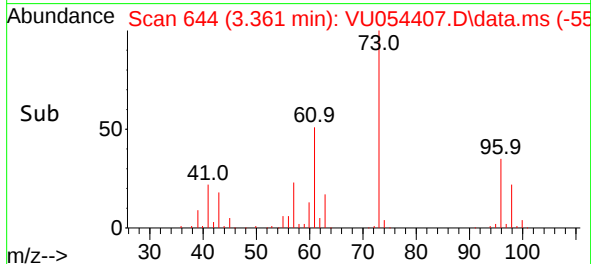
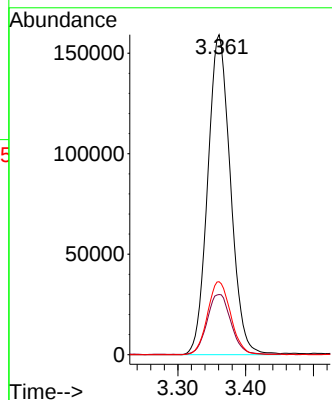
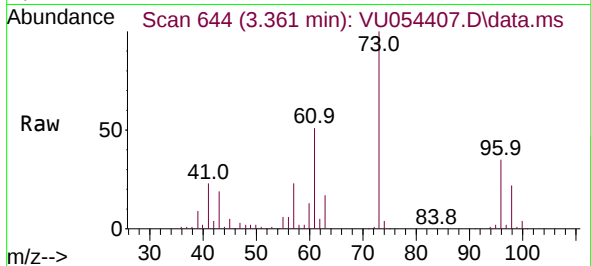




#17
Methyl tert-butyl Ether
Concen: 5.724 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU054407.D
Acq: 07 Jun 2023 12:30

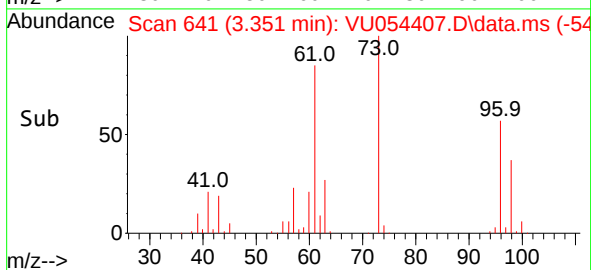
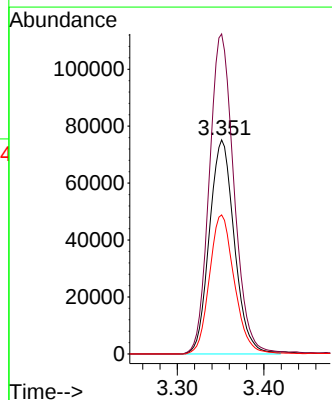
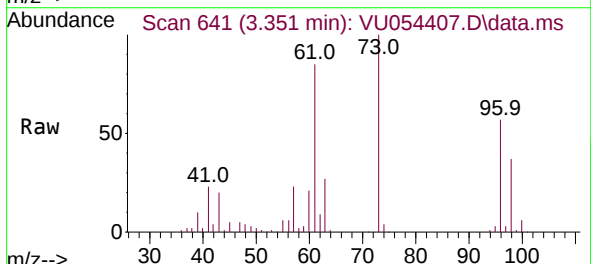
Instrument :
MSVOA_U
ClientSampleId :
VSTD005033

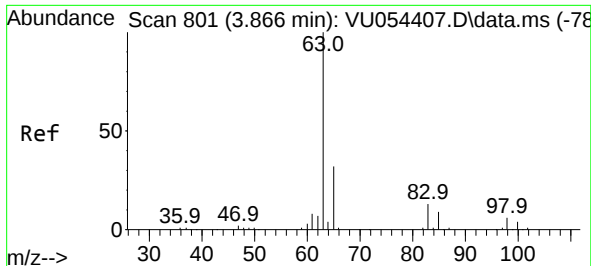
Tgt Ion: 73	Resp: 370658
Ion Ratio	Lower Upper
73 100	
43 19.6	15.7 23.5
57 23.3	18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 5.566 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU054407.D
Acq: 07 Jun 2023 12:30

Tgt Ion: 96	Resp: 150752
Ion Ratio	Lower Upper
96 100	
61 149.4	104.6 194.2
98 64.9	45.4 84.4

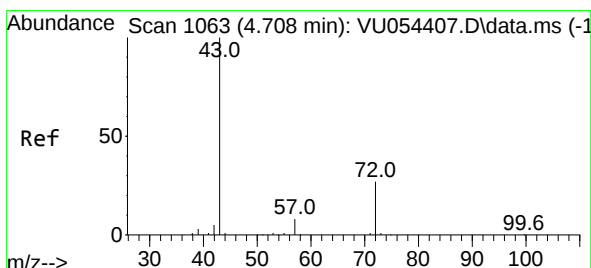
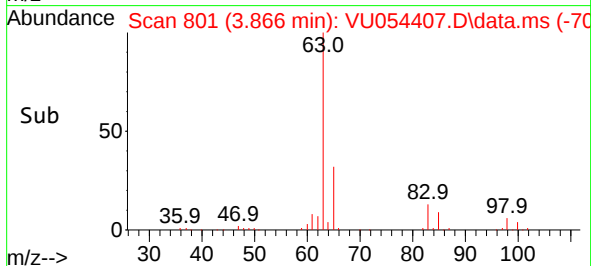
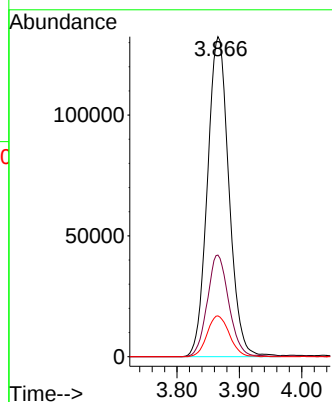
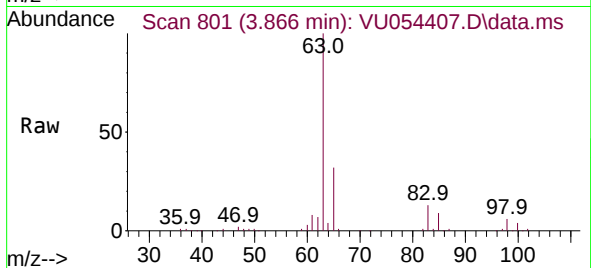




#19
1,1-Dichloroethane
Concen: 5.672 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.000 min
Lab File: VU054407.D
Acq: 07 Jun 2023 12:30

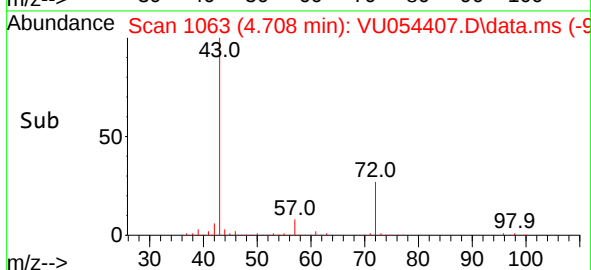
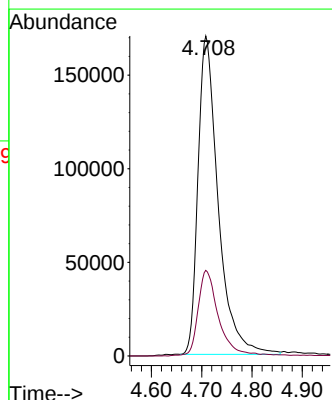
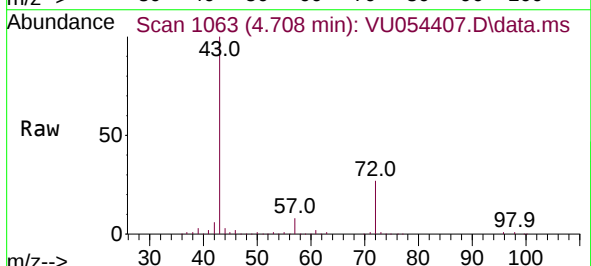
Instrument :
MSVOA_U
ClientSampleId :
VSTD005033

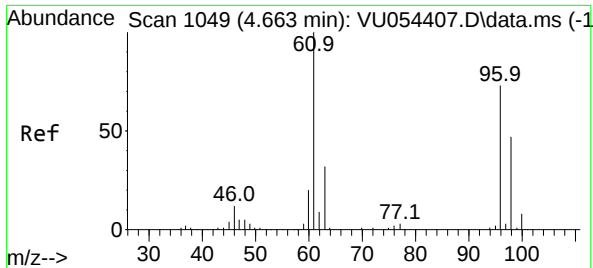
Tgt Ion: 63 Resp: 317938
Ion Ratio Lower Upper
63 100
65 31.7 22.2 41.2
83 12.8 9.0 16.6



#21
2-Butanone
Concen: 56.681 ug/L
RT: 4.708 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VU054407.D
Acq: 07 Jun 2023 12:30

Tgt Ion: 43 Resp: 474697
Ion Ratio Lower Upper
43 100
72 26.7 13.4 40.1

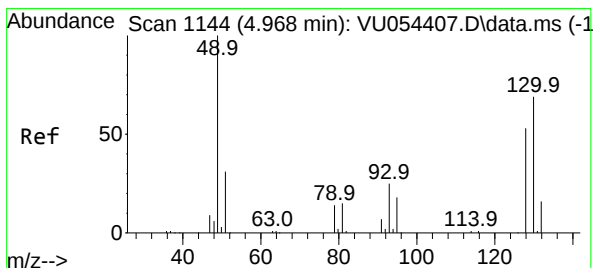
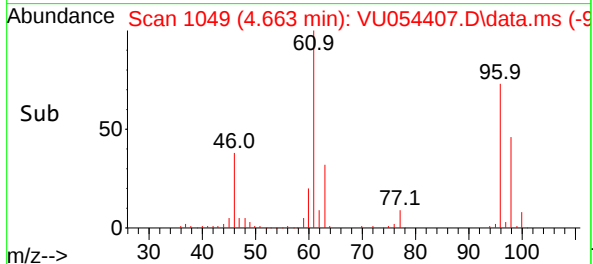
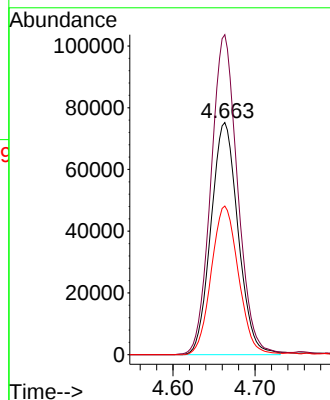
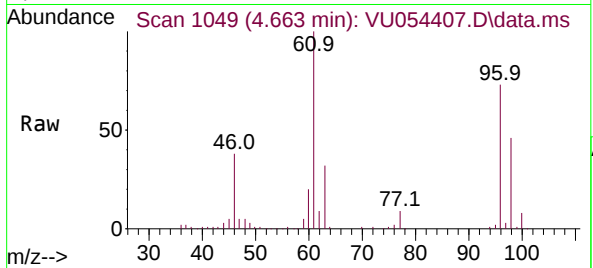




#22
 cis-1,2-Dichloroethene
 Concen: 5.610 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.000 min
 Lab File: VU054407.D
 Acq: 07 Jun 2023 12:30

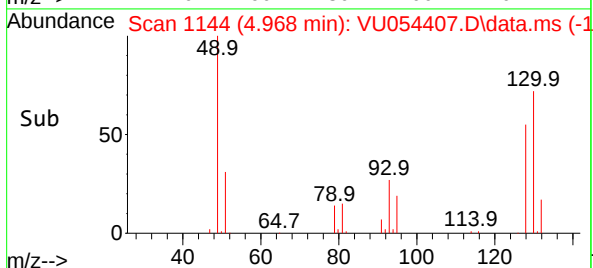
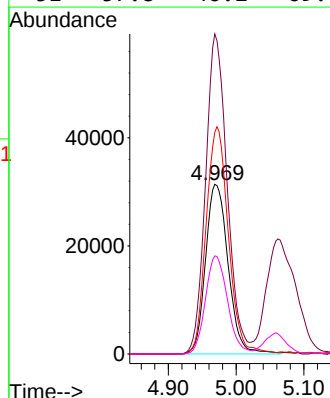
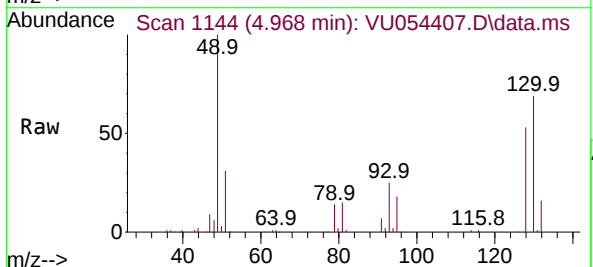
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005033

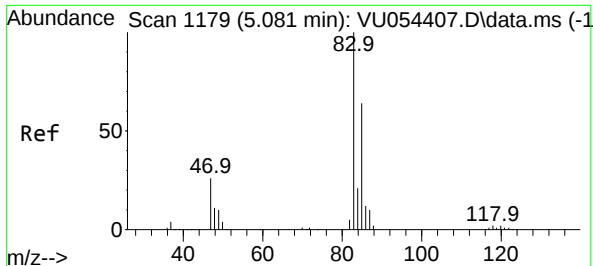
Tgt Ion: 96 Resp: 173042
 Ion Ratio Lower Upper
 96 100
 61 137.8 96.5 179.1
 98 64.1 44.9 83.3



#23
 Bromochloromethane
 Concen: 5.666 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. 0.000 min
 Lab File: VU054407.D
 Acq: 07 Jun 2023 12:30

Tgt Ion:128 Resp: 72721
 Ion Ratio Lower Upper
 128 100
 49 188.7 132.1 245.3
 130 130.7 91.5 169.9
 51 57.8 46.2 69.4





#25

Chloroform

Concen: 5.713 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VU054407.D

Acq: 07 Jun 2023 12:30

Instrument :

MSVOA_U

ClientSampleId :

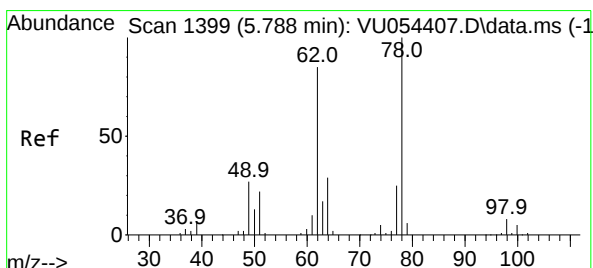
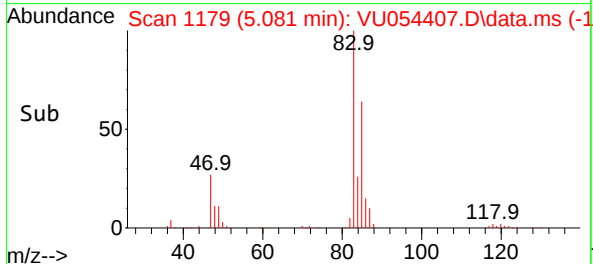
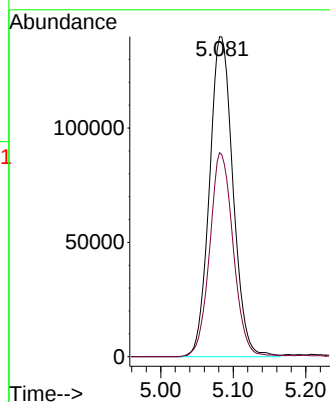
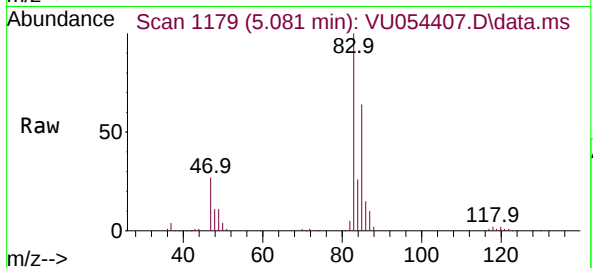
VSTD005033

Tgt Ion: 83 Resp: 315736

Ion Ratio Lower Upper

83 100

85 63.8 44.7 82.9



#27

1,2-Dichloroethane

Concen: 5.635 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU054407.D

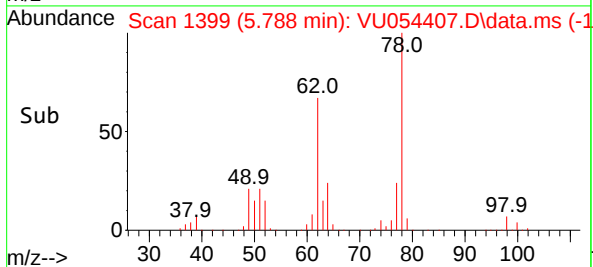
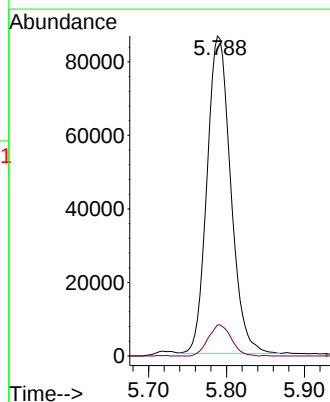
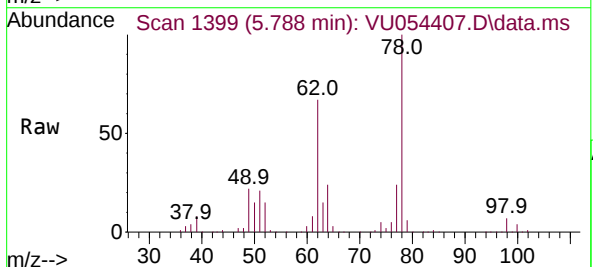
Acq: 07 Jun 2023 12:30

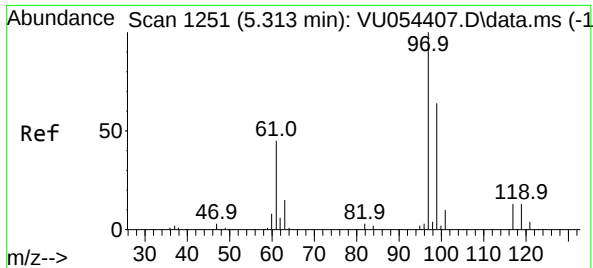
Tgt Ion: 62 Resp: 182527

Ion Ratio Lower Upper

62 100

98 9.7 7.8 11.6

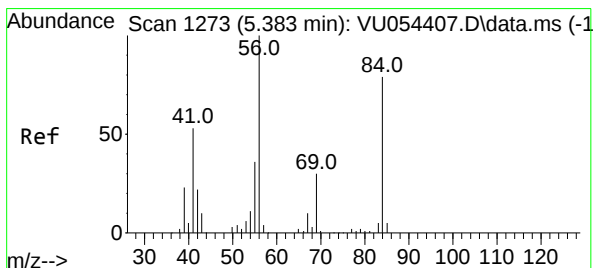
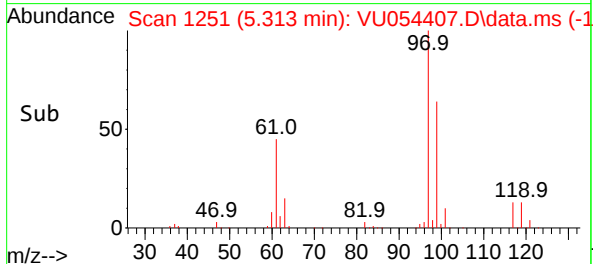
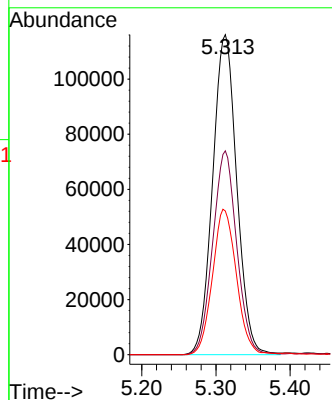
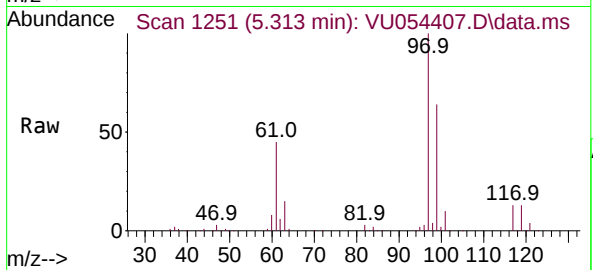




#29
1,1,1-Trichloroethane
Concen: 5.733 ug/L
RT: 5.313 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VU054407.D
Acq: 07 Jun 2023 12:30

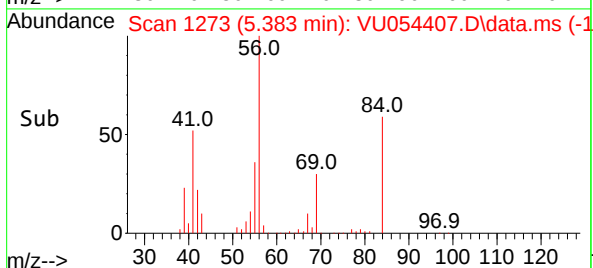
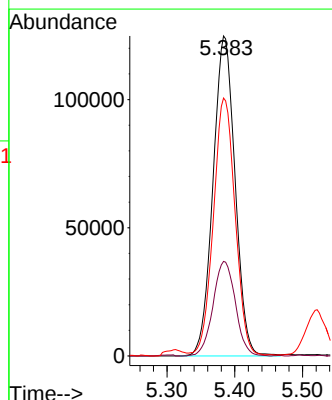
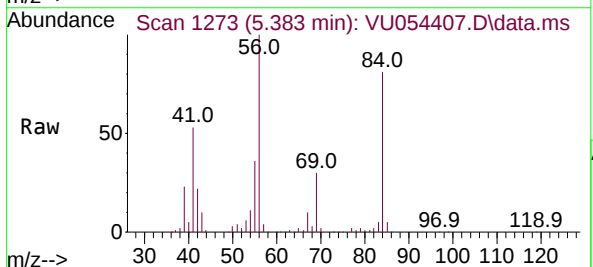
Instrument :
MSVOA_U
ClientSampleId :
VSTD005033

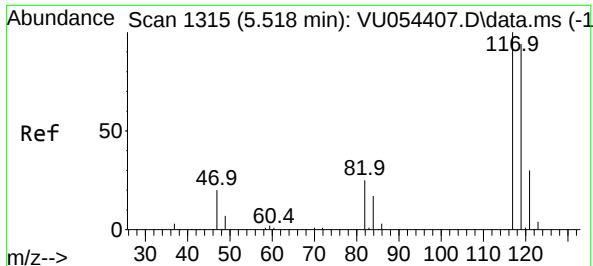
Tgt Ion: 97 Resp: 262492
Ion Ratio Lower Upper
97 100
99 63.5 50.8 76.2
61 45.1 36.1 54.1



#30
Cyclohexane
Concen: 5.664 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. 0.000 min
Lab File: VU054407.D
Acq: 07 Jun 2023 12:30

Tgt Ion: 56 Resp: 282447
Ion Ratio Lower Upper
56 100
69 29.9 23.9 35.9
84 78.8 63.0 94.6

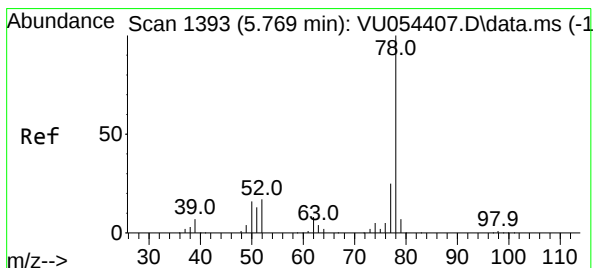
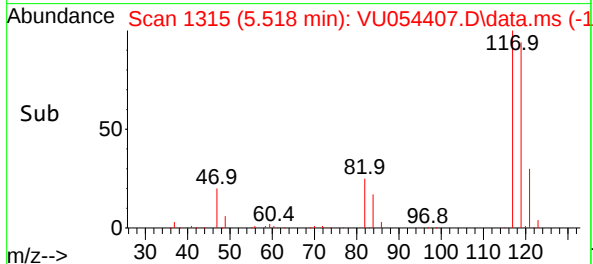
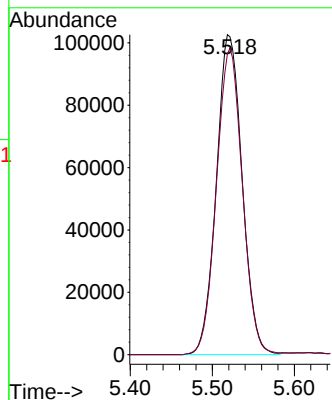
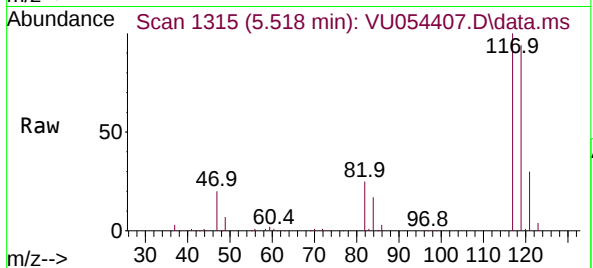




#31
Carbon tetrachloride
Concen: 5.705 ug/L
RT: 5.518 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU054407.D
Acq: 07 Jun 2023 12:30

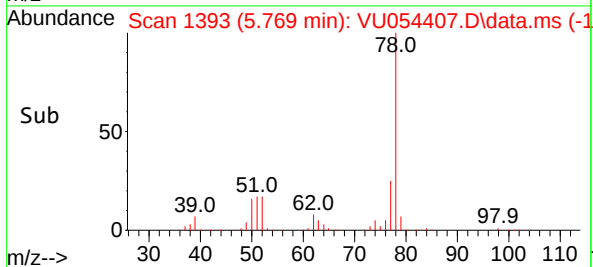
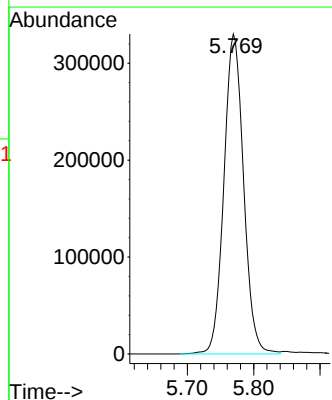
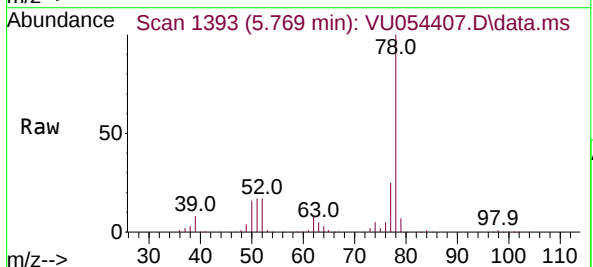
Instrument :
MSVOA_U
ClientSampleId :
VSTD005033

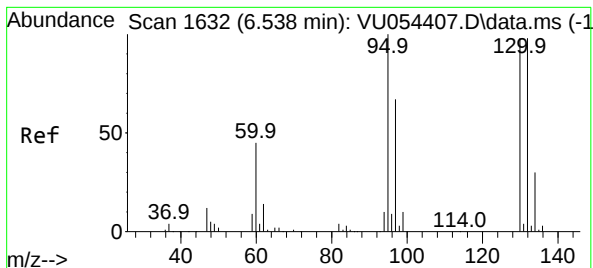
Tgt Ion:117 Resp: 225073
Ion Ratio Lower Upper
117 100
119 96.0 76.8 115.2



#33
Benzene
Concen: 5.607 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU054407.D
Acq: 07 Jun 2023 12:30

Tgt Ion: 78 Resp: 680389





#34

Trichloroethene

Concen: 5.577 ug/L

RT: 6.538 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054407.D

Acq: 07 Jun 2023 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD005033

Tgt Ion: 95 Resp: 178966

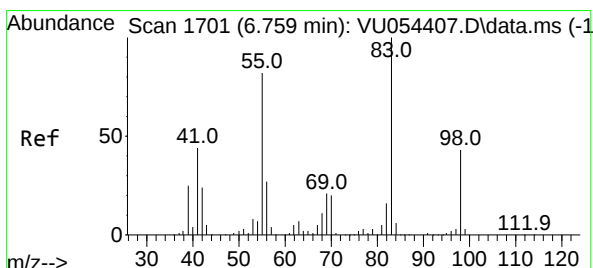
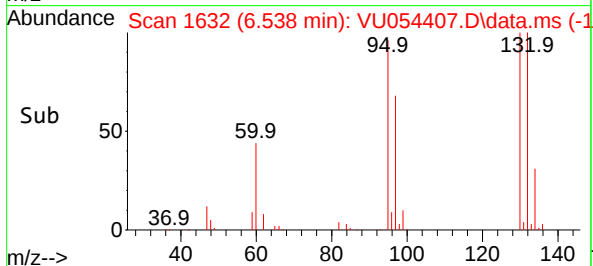
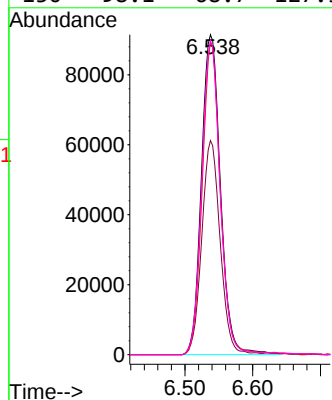
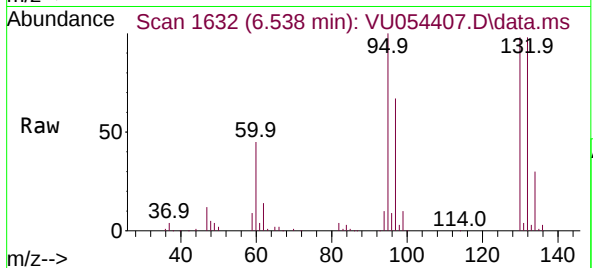
Ion Ratio Lower Upper

95 100

97 66.9 46.8 87.0

132 97.7 68.4 127.0

130 98.1 68.7 127.5



#35

Methylcyclohexane

Concen: 5.565 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VU054407.D

Acq: 07 Jun 2023 12:30

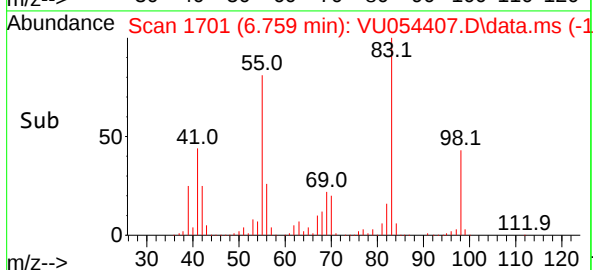
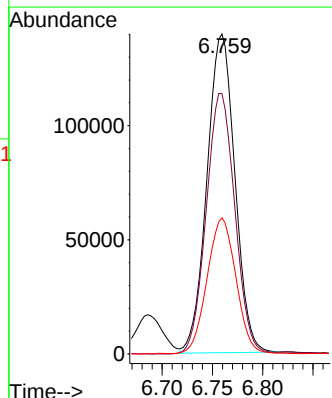
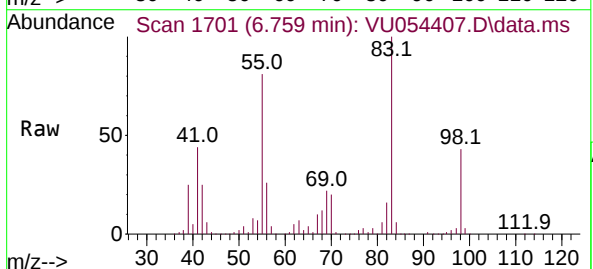
Tgt Ion: 83 Resp: 269915

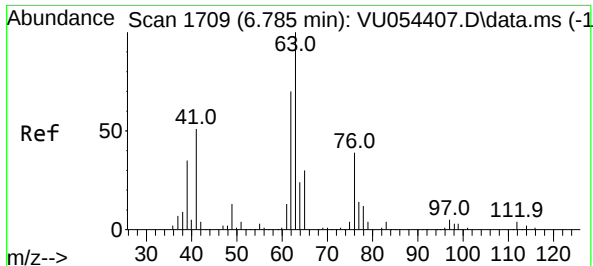
Ion Ratio Lower Upper

83 100

55 83.9 67.1 100.7

98 43.9 35.1 52.7

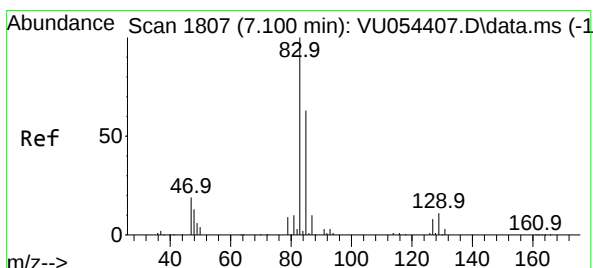
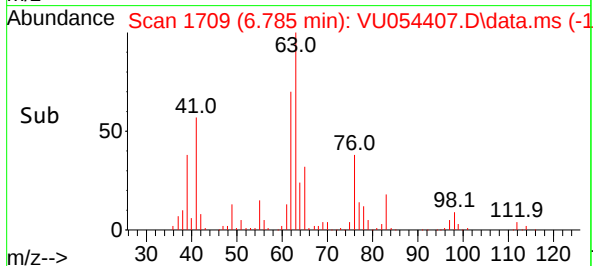
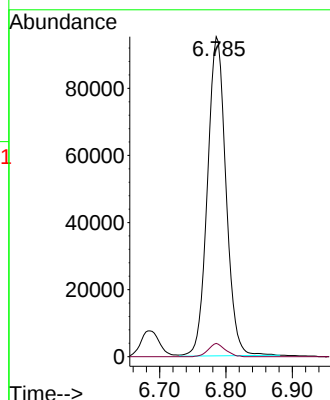
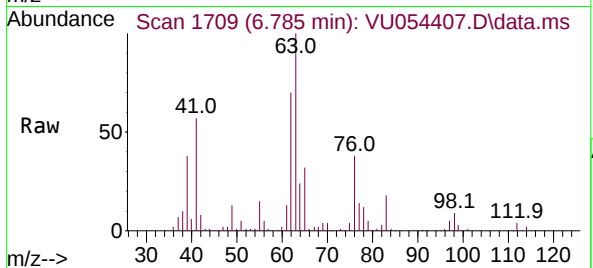




#37
1,2-Dichloropropane
Concen: 5.626 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. 0.000 min
Lab File: VU054407.D
Acq: 07 Jun 2023 12:30

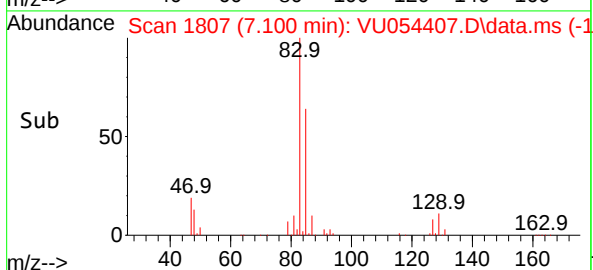
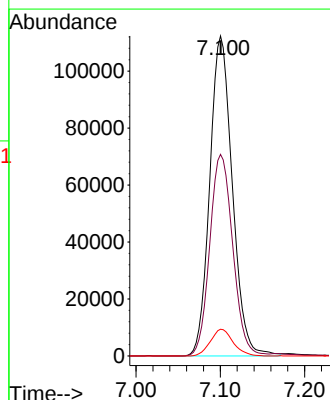
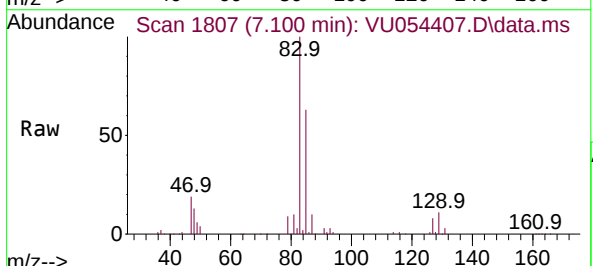
Instrument :
MSVOA_U
ClientSampleId :
VSTD005033

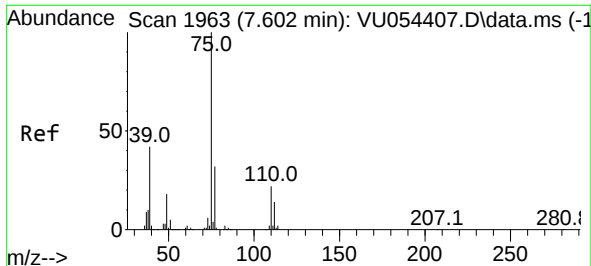
Tgt Ion: 63 Resp: 184597
Ion Ratio Lower Upper
63 100
112 3.8 3.0 4.6



#38
Bromodichloromethane
Concen: 5.639 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VU054407.D
Acq: 07 Jun 2023 12:30

Tgt Ion: 83 Resp: 209421
Ion Ratio Lower Upper
83 100
85 63.0 44.1 81.9
127 8.3 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 5.816 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VU054407.D

Acq: 07 Jun 2023 12:30

Instrument :

MSVOA_U

ClientSampleId :

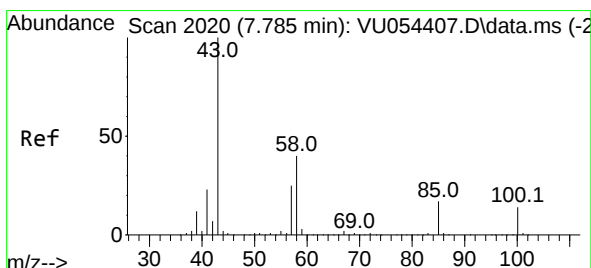
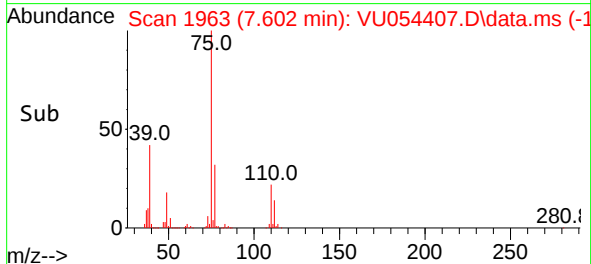
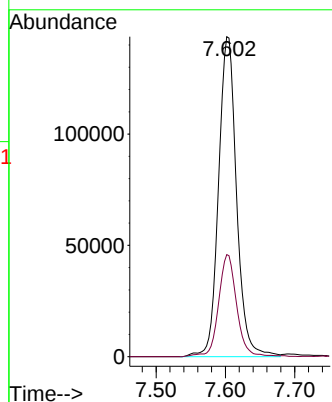
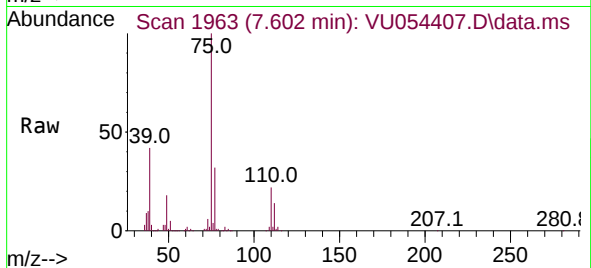
VSTD005033

Tgt Ion: 75 Resp: 260528

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 58.681 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.000 min

Lab File: VU054407.D

Acq: 07 Jun 2023 12:30

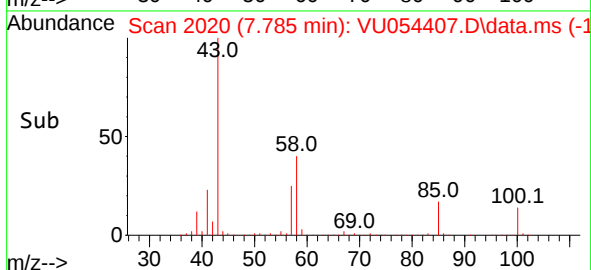
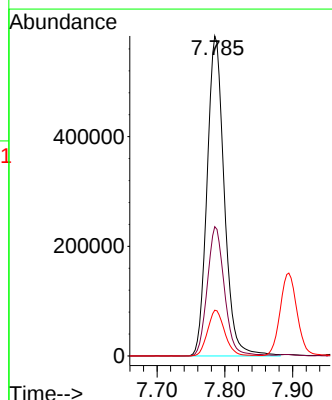
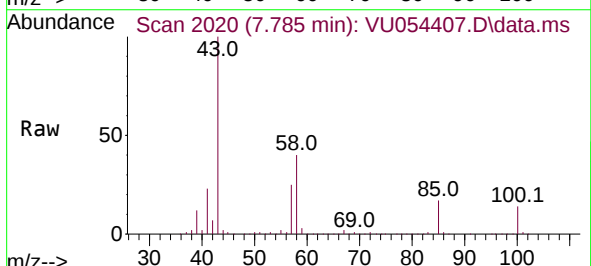
Tgt Ion: 43 Resp: 1027424

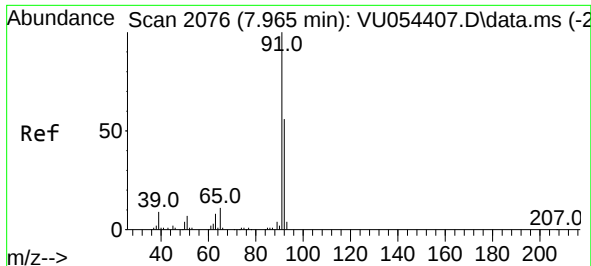
Ion Ratio Lower Upper

43 100

58 40.5 32.4 48.6

100 14.3 11.4 17.2





#42

Toluene

Concen: 5.812 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU054407.D

Acq: 07 Jun 2023 12:30

Instrument :

MSVOA_U

ClientSampleId :

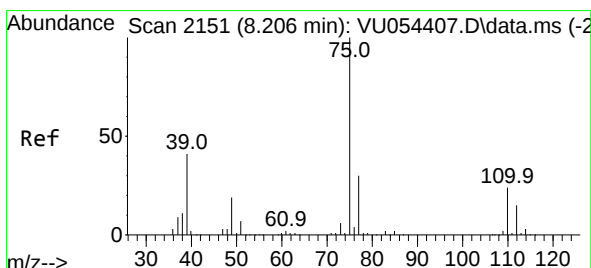
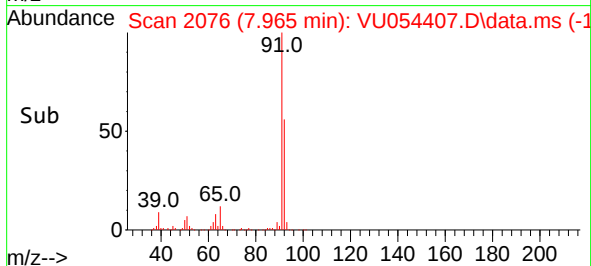
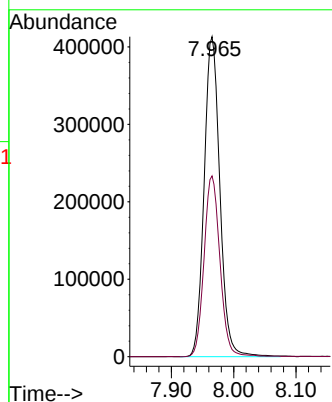
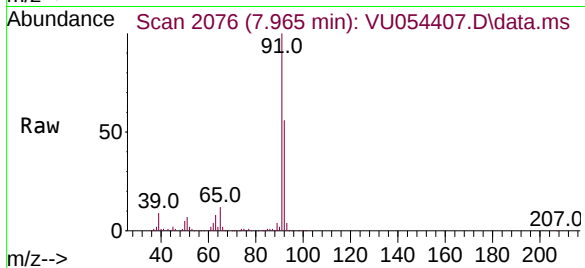
VSTD005033

Tgt Ion: 91 Resp: 726298

Ion Ratio Lower Upper

91 100

92 56.5 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 5.809 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU054407.D

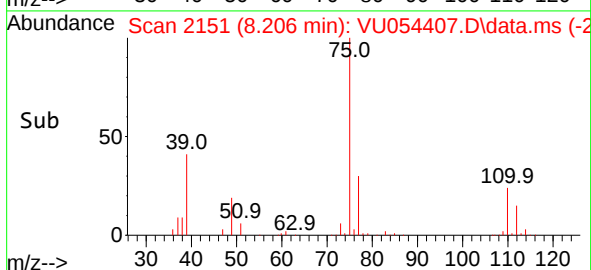
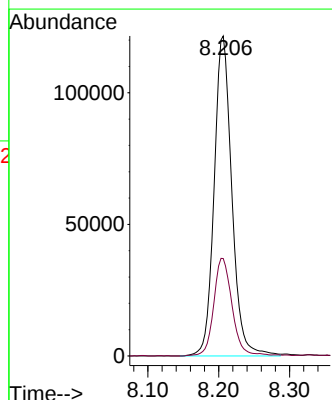
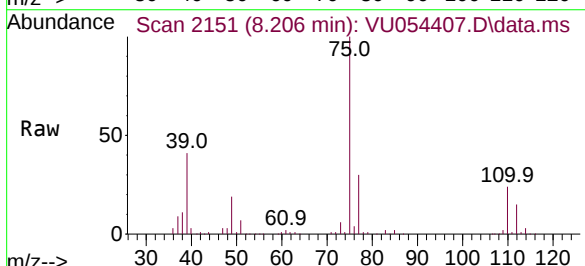
Acq: 07 Jun 2023 12:30

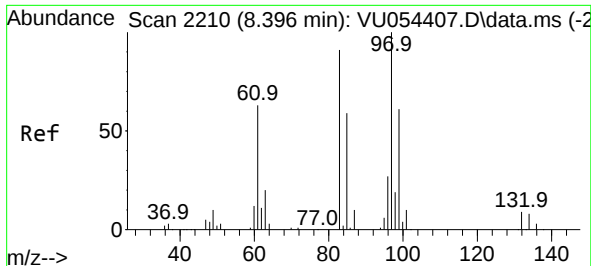
Tgt Ion: 75 Resp: 211165

Ion Ratio Lower Upper

75 100

77 30.5 21.3 39.6



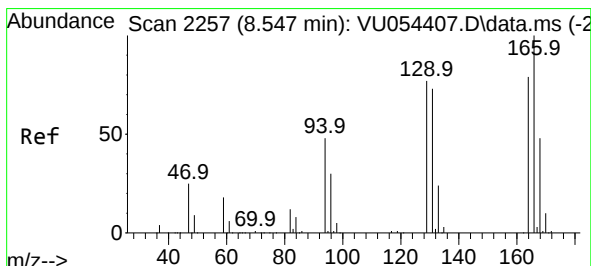
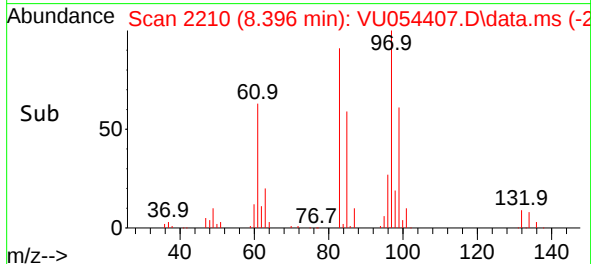
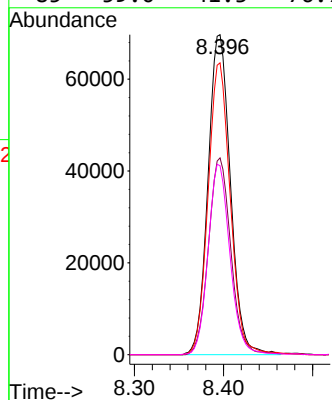
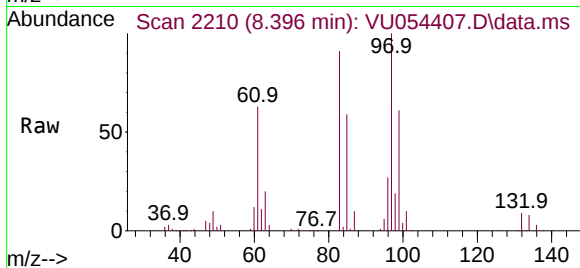


#45
1,1,2-Trichloroethane
Concen: 5.832 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VU054407.D
Acq: 07 Jun 2023 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD005033

Tgt Ion: 97 Resp: 121720

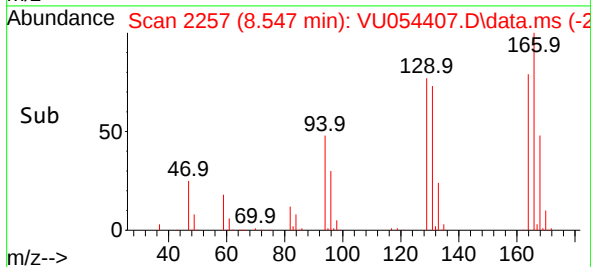
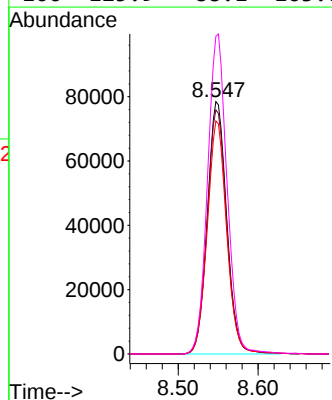
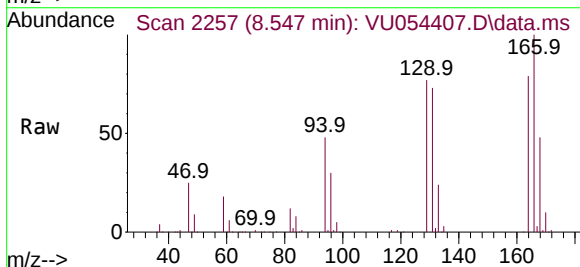
Ion	Ratio	Lower	Upper
97	100		
99	61.5	43.0	80.0
83	91.2	63.8	118.6
85	59.0	41.3	76.7

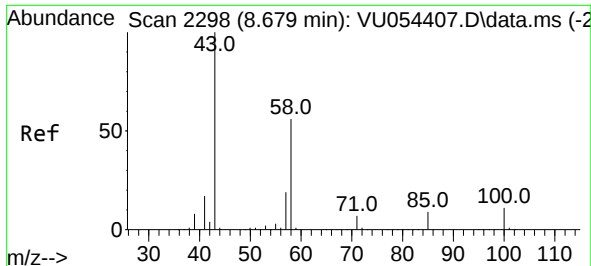


#47
Tetrachloroethene
Concen: 5.407 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU054407.D
Acq: 07 Jun 2023 12:30

Tgt Ion: 164 Resp: 132815

Ion	Ratio	Lower	Upper
164	100		
129	96.7	67.7	125.7
131	92.3	64.6	120.0
166	125.9	88.1	163.7



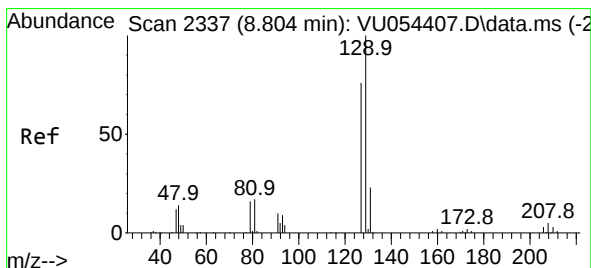
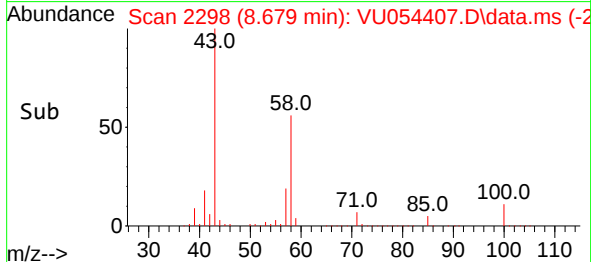
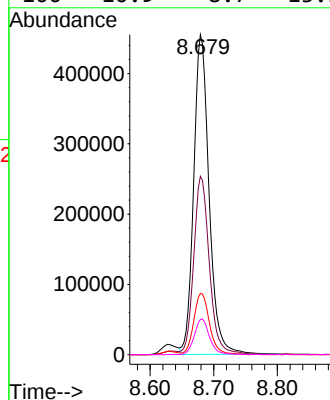
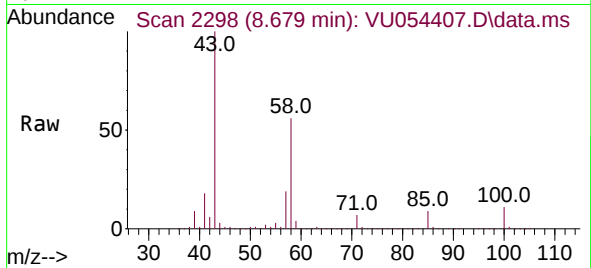


#48
2-Hexanone
Concen: 58.681 ug/L
RT: 8.679 min Scan# 2298
Delta R.T. 0.000 min
Lab File: VU054407.D
Acq: 07 Jun 2023 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD005033

Tgt Ion: 43 Resp: 765552

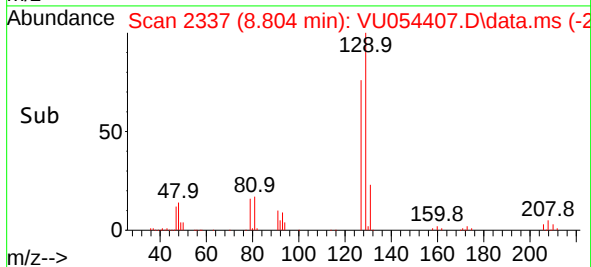
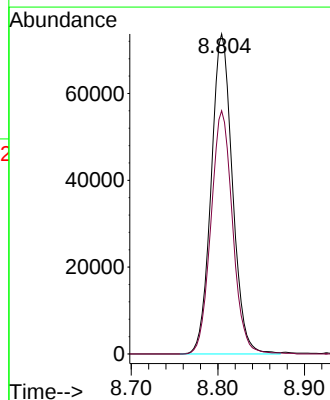
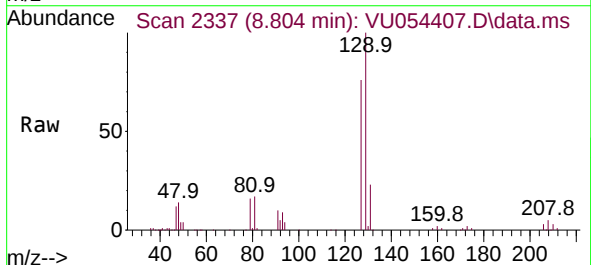
Ion	Ratio	Lower	Upper
43	100		
58	56.5	45.2	67.8
57	19.7	15.8	23.6
100	10.9	8.7	13.1

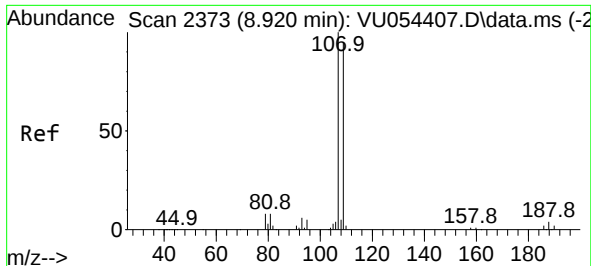


#49
Dibromochloromethane
Concen: 5.750 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU054407.D
Acq: 07 Jun 2023 12:30

Tgt Ion: 129 Resp: 126013

Ion	Ratio	Lower	Upper
129	100		
127	76.0	53.2	98.8





#50

1,2-Dibromoethane

Concen: 5.736 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054407.D

Acq: 07 Jun 2023 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD005033

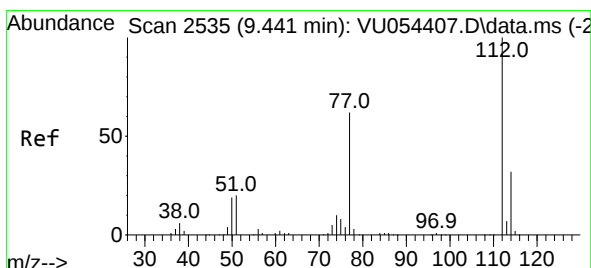
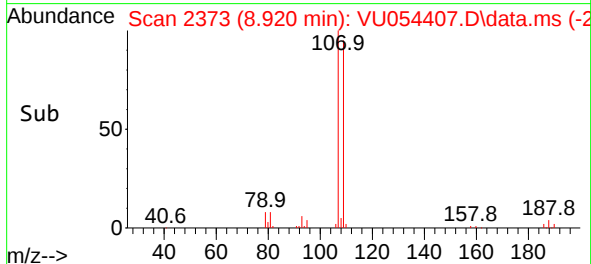
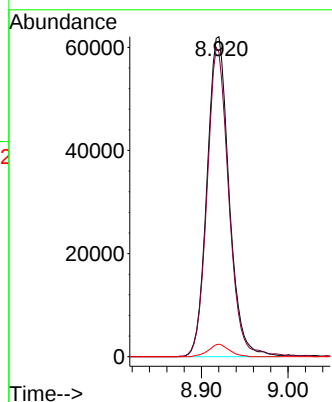
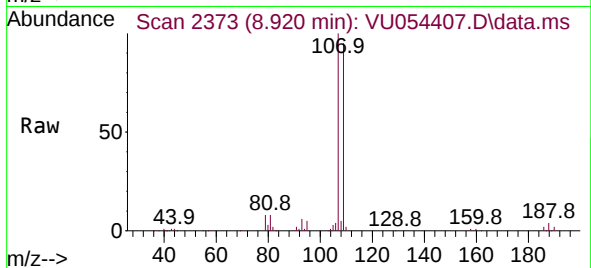
Tgt Ion:107 Resp: 109915

Ion Ratio Lower Upper

107 100

109 95.1 66.6 123.6

188 3.9 3.1 4.7



#51

Chlorobenzene

Concen: 5.598 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU054407.D

Acq: 07 Jun 2023 12:30

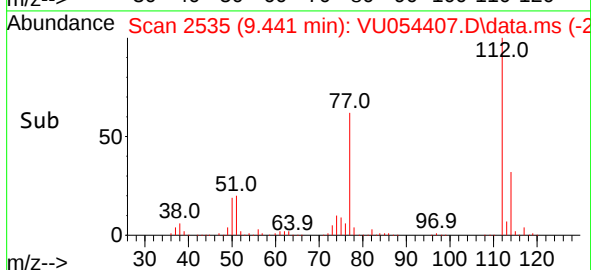
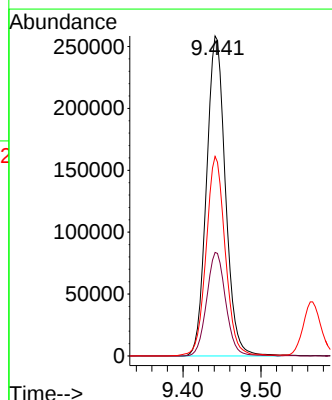
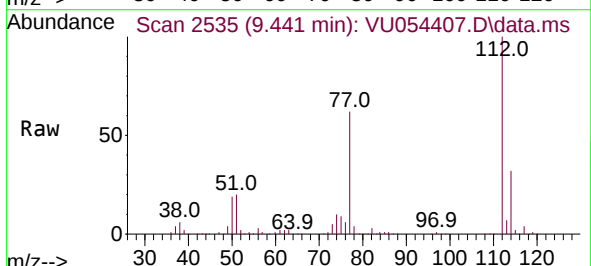
Tgt Ion:112 Resp: 436025

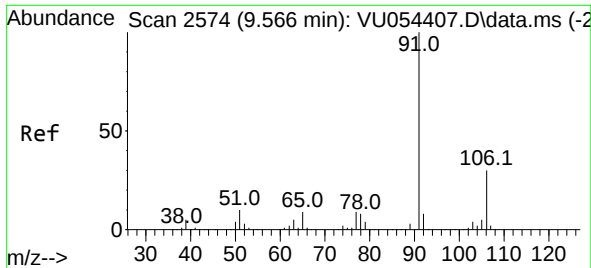
Ion Ratio Lower Upper

112 100

114 32.4 22.7 42.1

77 62.3 49.8 74.8

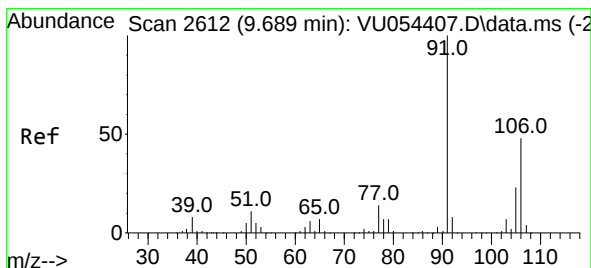
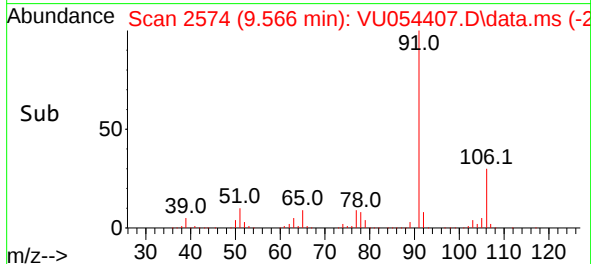
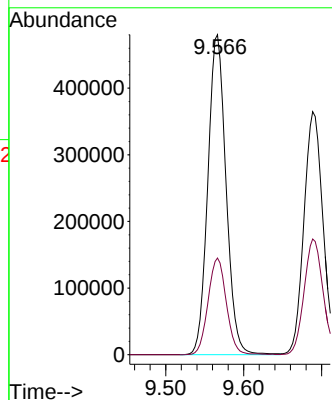
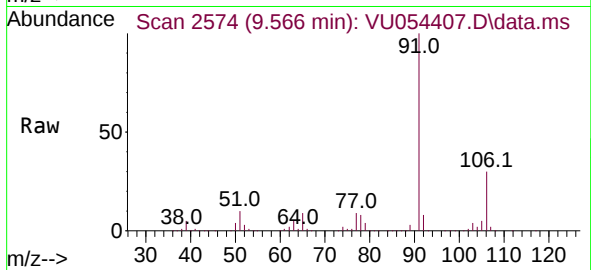




#52
Ethylbenzene
Concen: 5.705 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.000 min
Lab File: VU054407.D
Acq: 07 Jun 2023 12:30

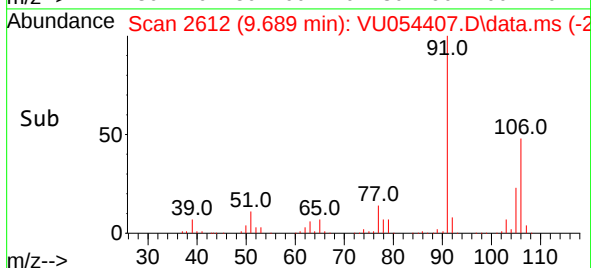
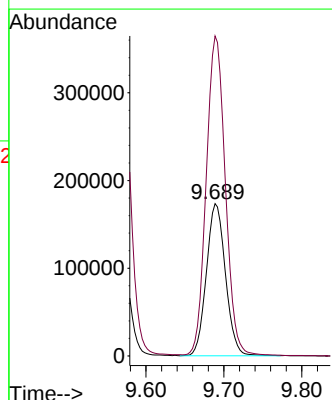
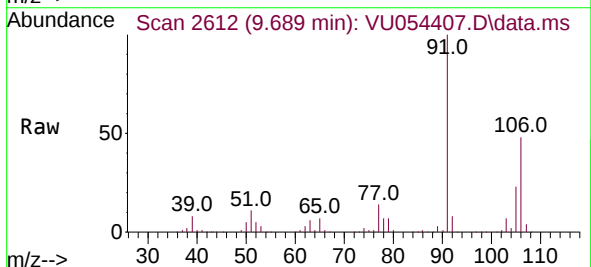
Instrument :
MSVOA_U
ClientSampleId :
VSTD005033

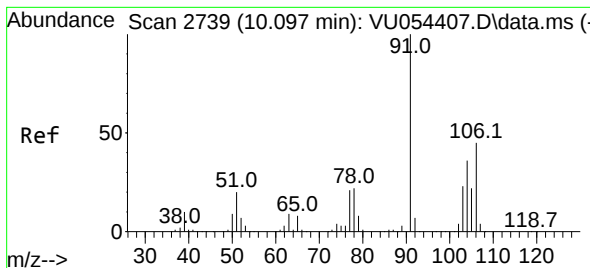
Tgt Ion: 91 Resp: 778597
Ion Ratio Lower Upper
91 100
106 30.2 21.1 39.3



#53
m,p-Xylene
Concen: 5.873 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU054407.D
Acq: 07 Jun 2023 12:30

Tgt Ion: 106 Resp: 294468
Ion Ratio Lower Upper
106 100
91 210.0 147.0 273.0





#54

o-Xylene

Concen: 5.844 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054407.D

Acq: 07 Jun 2023 12:30

Instrument :

MSVOA_U

ClientSampleId :

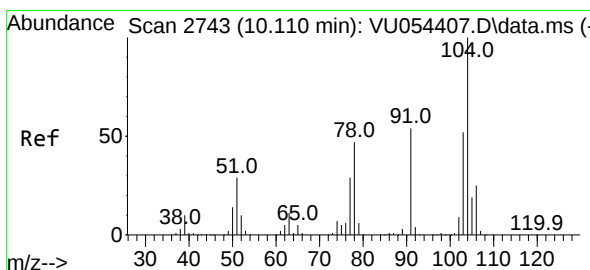
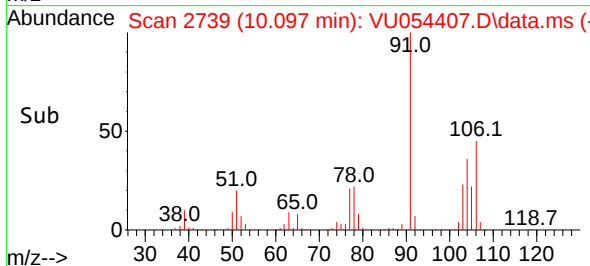
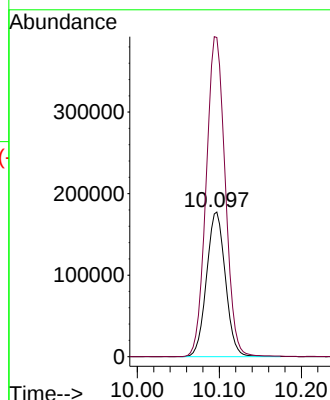
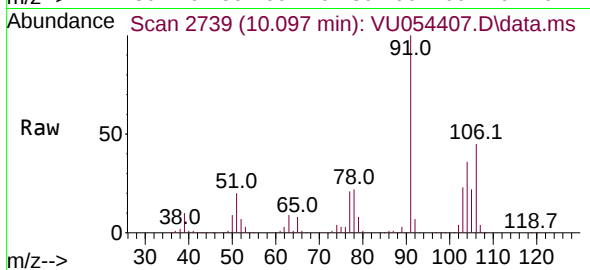
VSTD005033

Tgt Ion:106 Resp: 283316

Ion Ratio Lower Upper

106 100

91 220.7 154.5 286.9



#55

Styrene

Concen: 5.989 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU054407.D

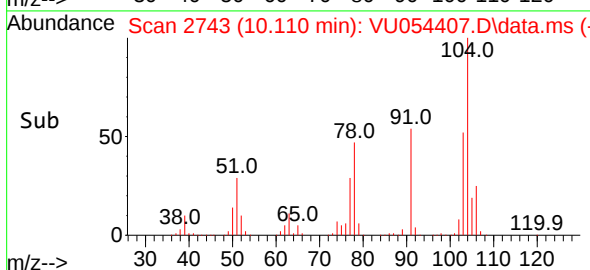
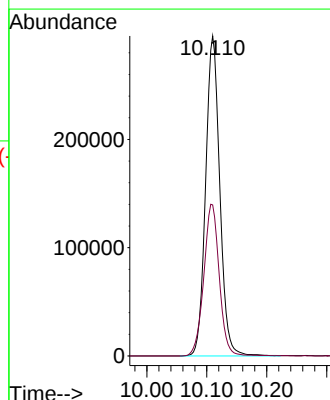
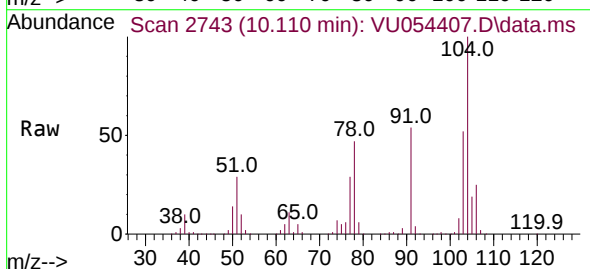
Acq: 07 Jun 2023 12:30

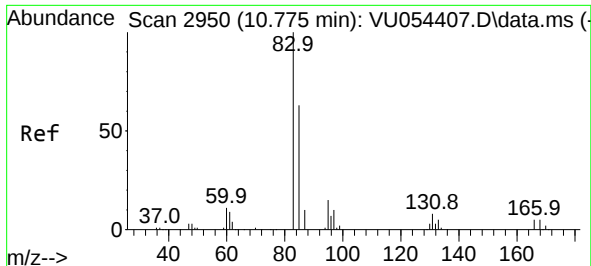
Tgt Ion:104 Resp: 487393

Ion Ratio Lower Upper

104 100

78 47.2 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 5.687 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU054407.D

Acq: 07 Jun 2023 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD005033

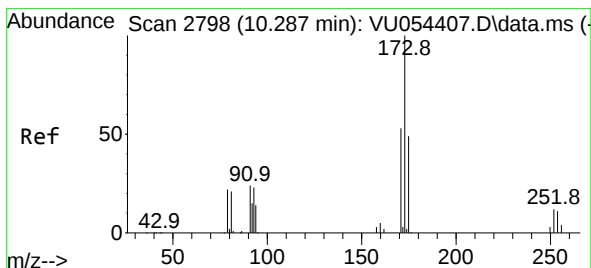
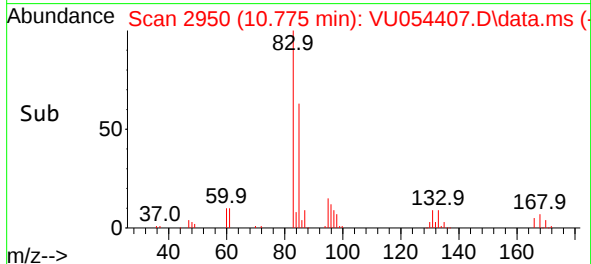
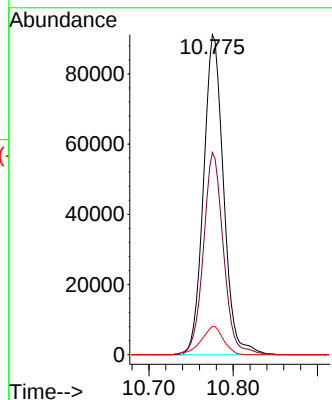
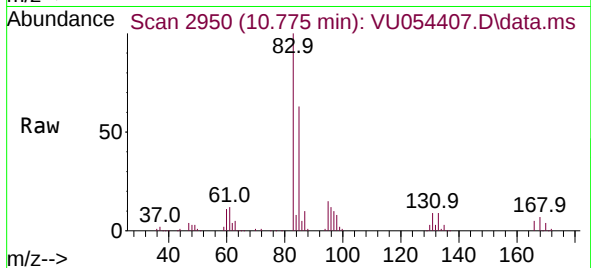
Tgt Ion: 83 Resp: 150786

Ion Ratio Lower Upper

83 100

85 63.2 44.2 82.2

131 8.8 7.0 10.6



#59

Bromoform

Concen: 5.669 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. 0.000 min

Lab File: VU054407.D

Acq: 07 Jun 2023 12:30

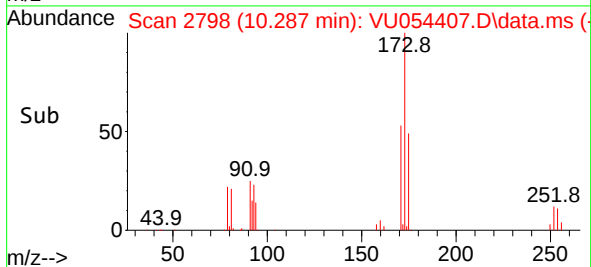
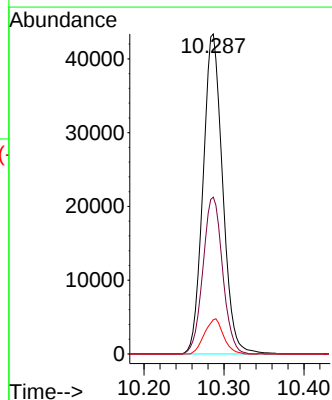
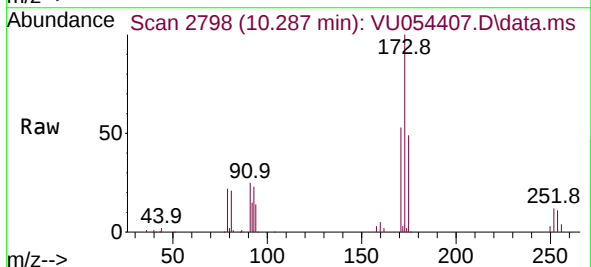
Tgt Ion: 173 Resp: 73784

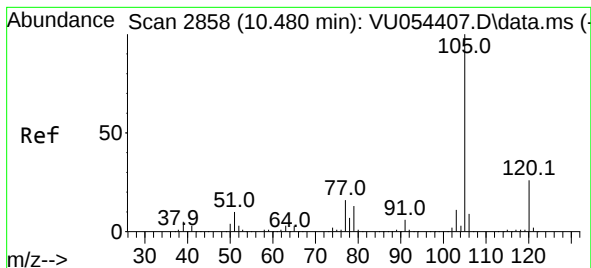
Ion Ratio Lower Upper

173 100

175 49.2 39.4 59.0

254 10.7 8.6 12.8





#60

Isopropylbenzene

Concen: 5.801 ug/L

RT: 10.480 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU054407.D

Acq: 07 Jun 2023 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD005033

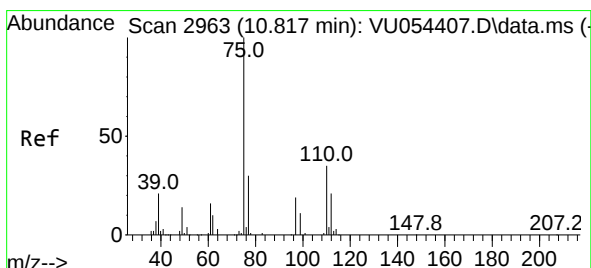
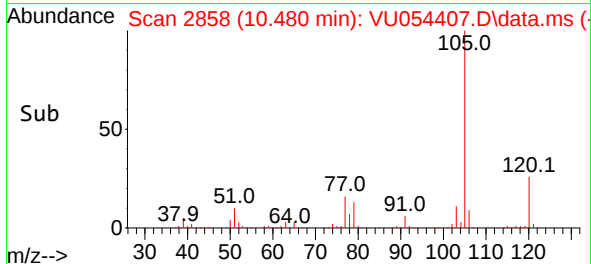
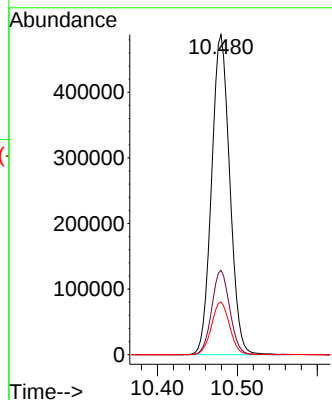
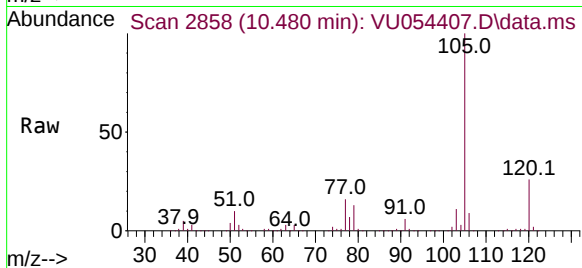
Tgt Ion:105 Resp: 769328

Ion Ratio Lower Upper

105 100

120 26.1 20.9 31.3

77 16.5 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 5.680 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU054407.D

Acq: 07 Jun 2023 12:30

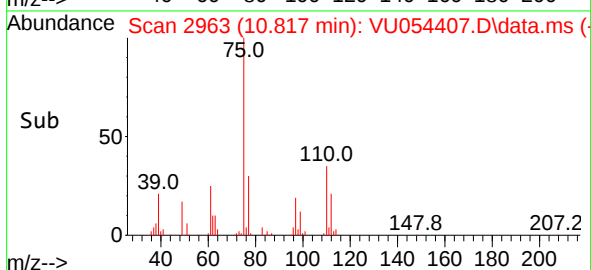
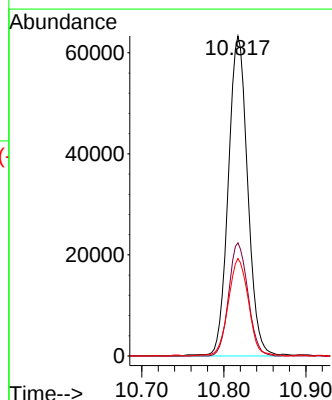
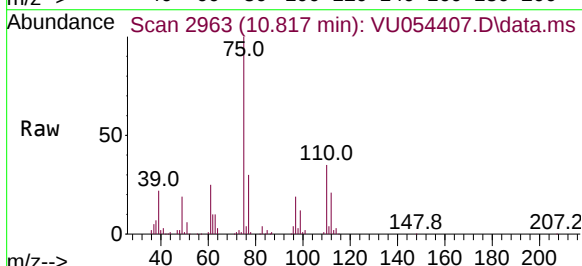
Tgt Ion: 75 Resp: 104056

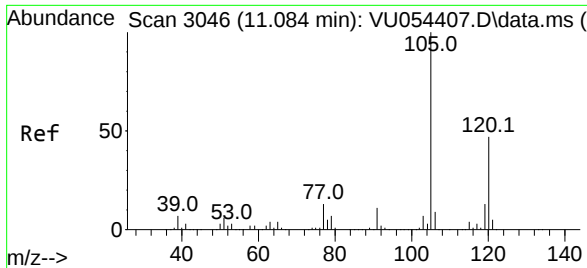
Ion Ratio Lower Upper

75 100

110 35.0 28.0 42.0

77 31.8 25.4 38.2

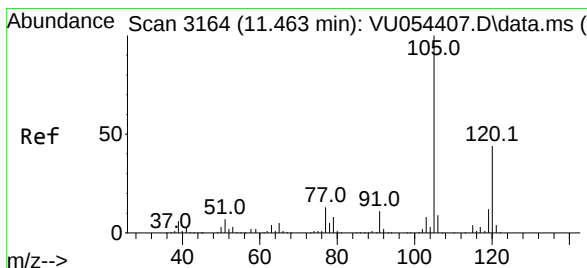
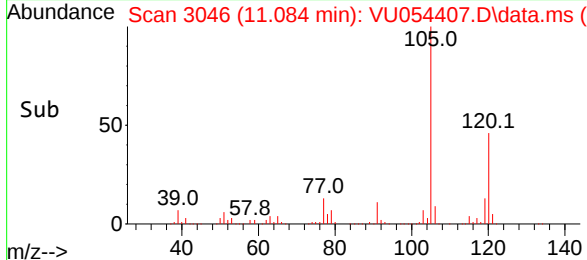
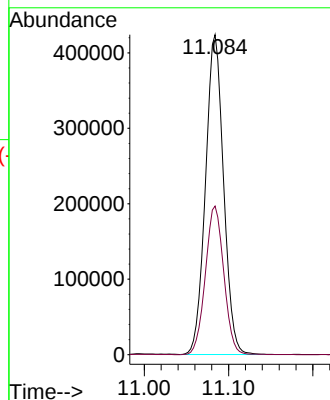
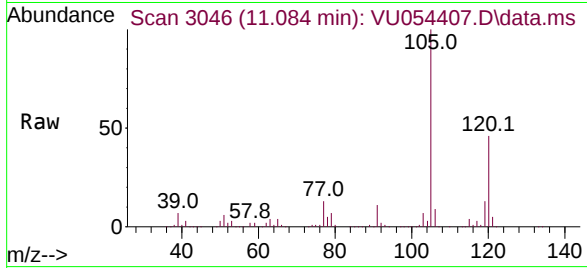




#62
 1,3,5-Trimethylbenzene
 Concen: 5.854 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. 0.000 min
 Lab File: VU054407.D
 Acq: 07 Jun 2023 12:30

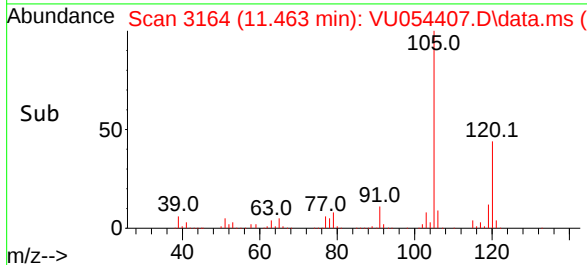
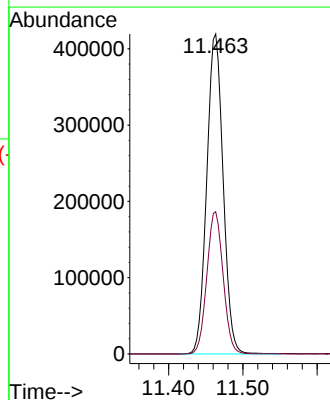
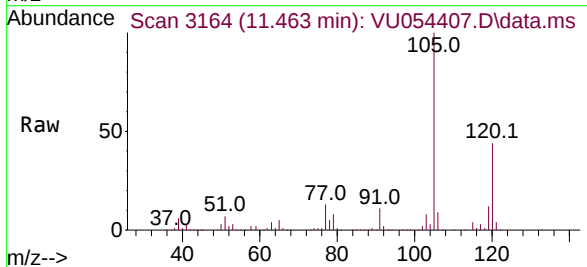
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005033

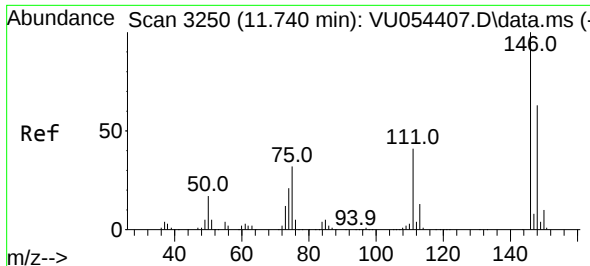
Tgt Ion:105 Resp: 633425
 Ion Ratio Lower Upper
 105 100
 120 47.4 37.9 56.9



#63
 1,2,4-Trimethylbenzene
 Concen: 5.833 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. 0.000 min
 Lab File: VU054407.D
 Acq: 07 Jun 2023 12:30

Tgt Ion:105 Resp: 641042
 Ion Ratio Lower Upper
 105 100
 120 44.2 35.4 53.0

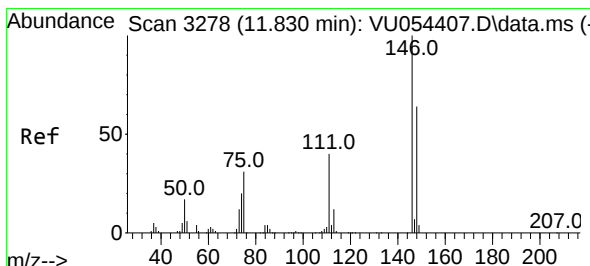
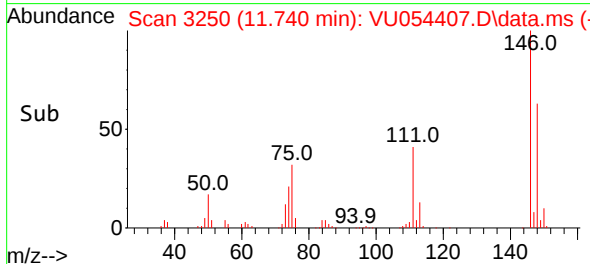
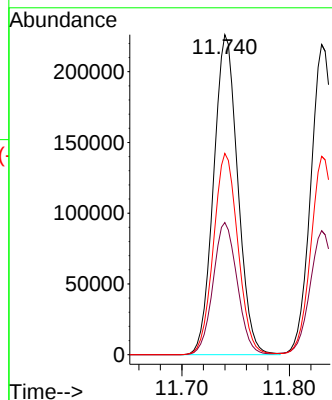
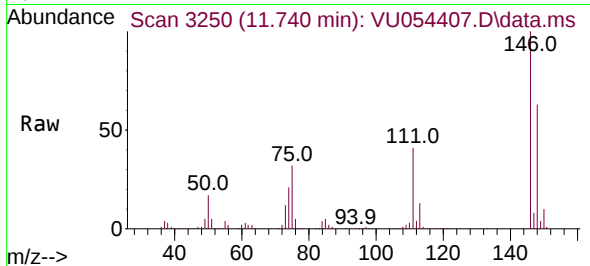




#64
1,3-Dichlorobenzene
Concen: 5.713 ug/L
RT: 11.740 min Scan# 3250
Delta R.T. 0.000 min
Lab File: VU054407.D
Acq: 07 Jun 2023 12:30

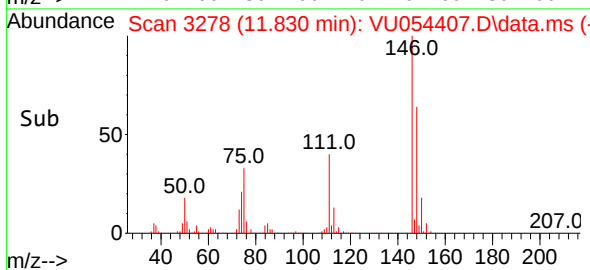
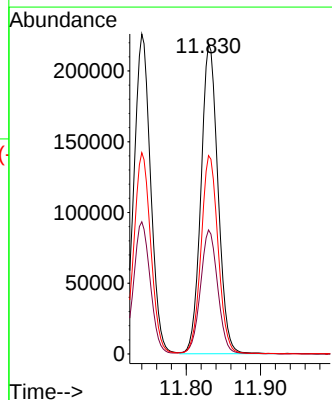
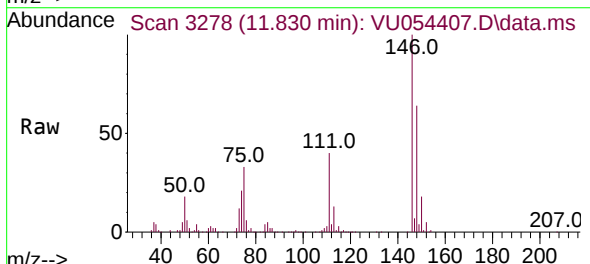
Instrument :
MSVOA_U
ClientSampleId :
VSTD005033

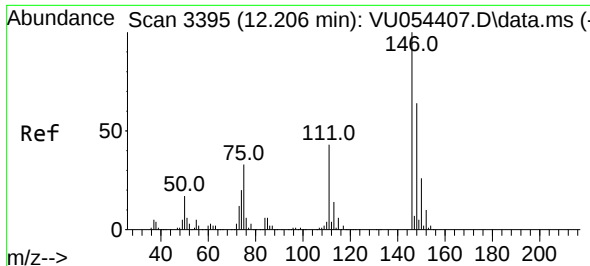
Tgt Ion:146 Resp: 354149
Ion Ratio Lower Upper
146 100
111 41.3 28.9 53.7
148 62.9 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 5.603 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU054407.D
Acq: 07 Jun 2023 12:30

Tgt Ion:146 Resp: 348595
Ion Ratio Lower Upper
146 100
111 40.0 28.0 52.0
148 63.9 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 5.684 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU054407.D

Acq: 07 Jun 2023 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD005033

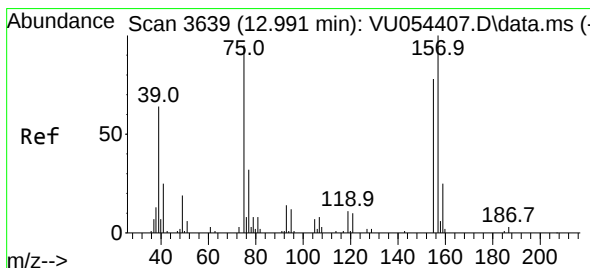
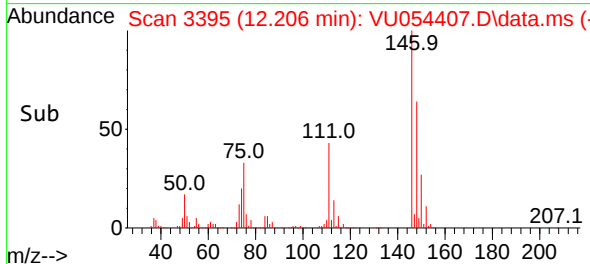
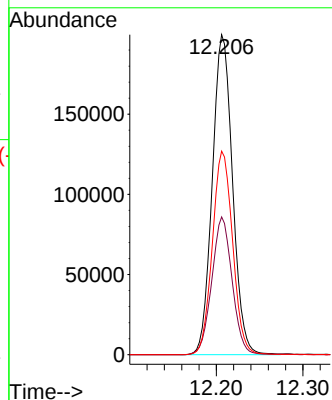
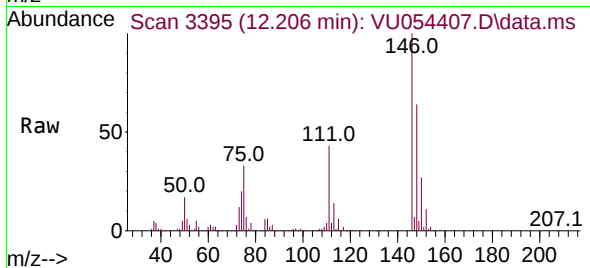
Tgt Ion:146 Resp: 324089

Ion Ratio Lower Upper

146 100

111 43.1 34.5 51.7

148 63.6 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 5.514 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU054407.D

Acq: 07 Jun 2023 12:30

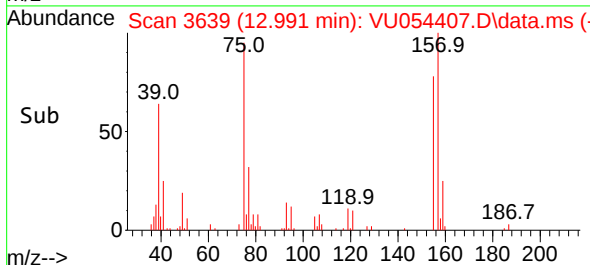
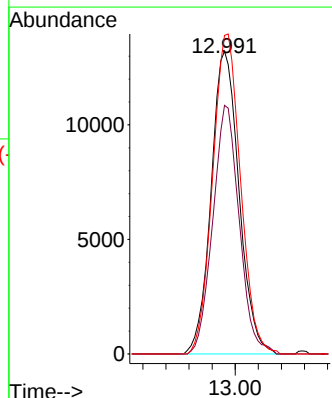
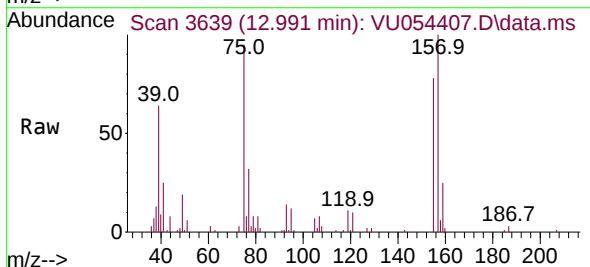
Tgt Ion: 75 Resp: 22199

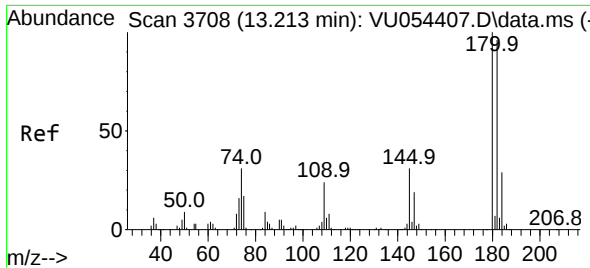
Ion Ratio Lower Upper

75 100

155 82.1 65.7 98.5

157 105.2 84.2 126.2

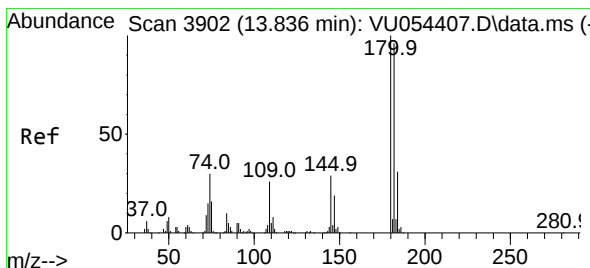
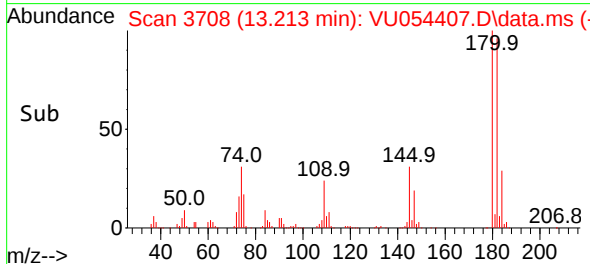
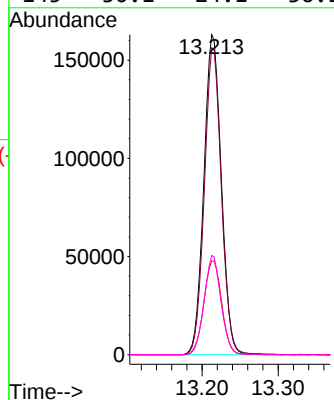
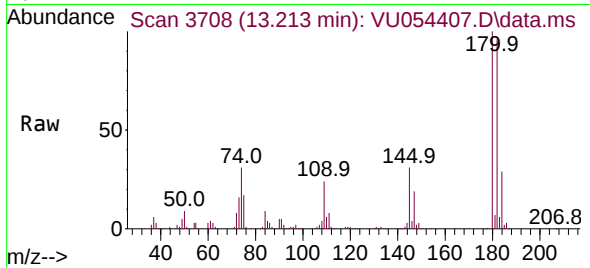




#69
 1,3,5-Trichlorobenzene
 Concen: 5.542 ug/L
 RT: 13.213 min Scan# 3708
 Delta R.T. 0.000 min
 Lab File: VU054407.D
 Acq: 07 Jun 2023 12:30

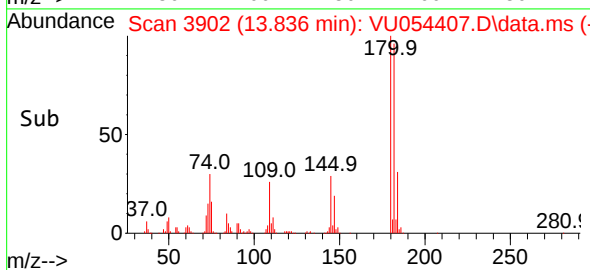
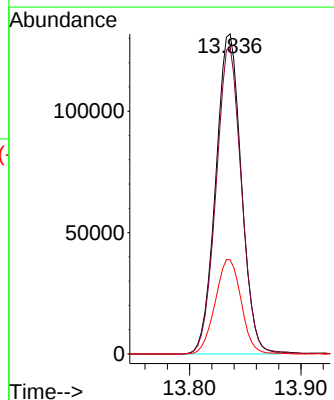
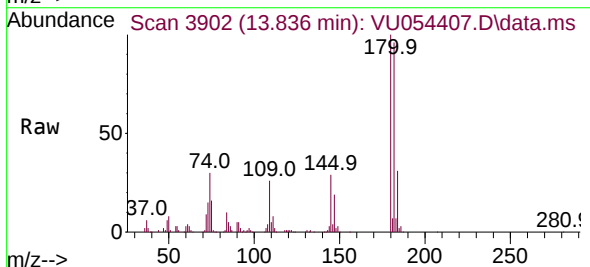
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005033

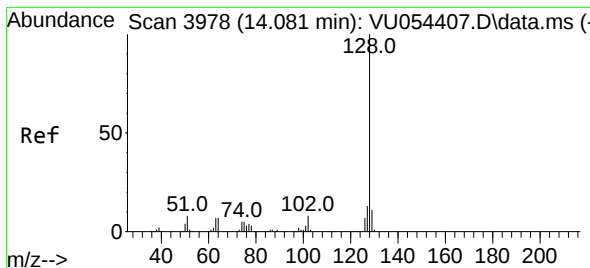
Tgt Ion:	180	Resp:	259186
Ion Ratio	Lower	Upper	
180	100		
182	93.8	75.0	112.6
184	30.1	24.1	36.1
145	30.1	24.1	36.1



#70
 1,2,4-trichlorobenzene
 Concen: 5.441 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.000 min
 Lab File: VU054407.D
 Acq: 07 Jun 2023 12:30

Tgt Ion:	180	Resp:	210430
Ion Ratio	Lower	Upper	
180	100		
182	95.7	76.6	114.8
145	30.0	24.0	36.0





#71

Naphthalene

Concen: 5.291 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU054407.D

Acq: 07 Jun 2023 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD005033

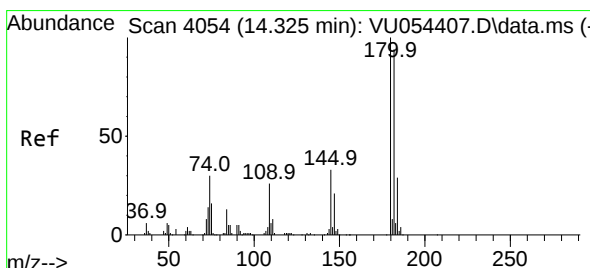
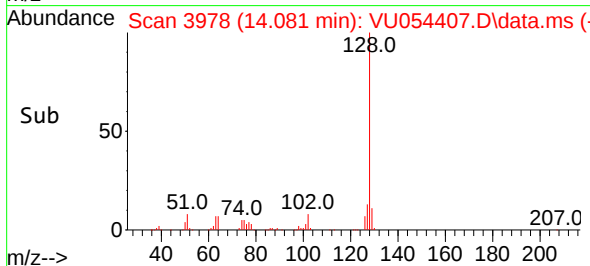
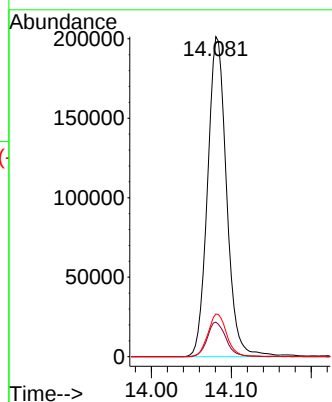
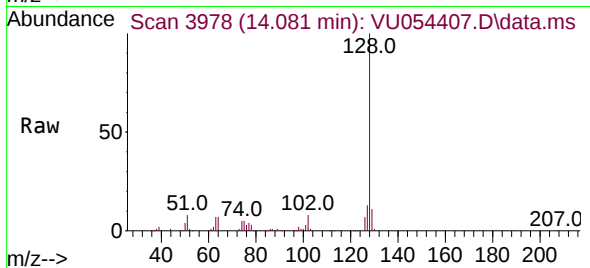
Tgt Ion:128 Resp: 332749

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

127 13.2 10.6 15.8



#72

1,2,3-Trichlorobenzene

Concen: 5.522 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU054407.D

Acq: 07 Jun 2023 12:30

Tgt Ion:180 Resp: 183467

Ion Ratio Lower Upper

180 100

182 94.3 75.4 113.2

145 32.5 26.0 39.0

