

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062323\
 Data File : VU054671.D
 Acq On : 23 Jun 2023 14:59
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005198

Quant Time: Jun 23 23:56:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jun 23 23:55:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	295291	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	277537	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	142654	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	107571	5.724	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.400%
7) Chloroethane-d5	1.911	69	84790	4.819	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.400%
11) 1,1-Dichloroethene-d2	2.563	65	41503	4.945	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.800%
20) 2-Butanone-d5	4.627	46	247386	46.821	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.640%
24) Chloroform-d	5.061	84	180272	4.589	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
26) 1,2-Dichloroethane-d4	5.698	65	85832	4.482	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.600%
32) Benzene-d6	5.724	84	340546	4.414	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.200%
36) 1,2-Dichloropropane-d6	6.688	67	115150	4.469	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.400%
41) Toluene-d8	7.894	98	300894	4.395	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.800%
43) trans-1,3-Dichloroprop...	8.177	79	42118	4.701	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.000%
46) 2-Hexanone-d5	8.630	63	169204	45.014	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.020%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	84097	4.377	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	104752	4.353	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	113575	4.116	ug/L	100
3) Chloromethane	1.521	50	138768	4.378	ug/L	100
5) Vinyl chloride	1.605	62	146660	4.508	ug/L	100
6) Bromomethane	1.859	94	75002	4.193	ug/L	100
8) Chloroethane	1.933	64	91650	4.700	ug/L	99
9) Trichlorofluoromethane	2.136	101	188373	4.710	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	114264	4.883	ug/L	98
12) 1,1-Dichloroethene	2.579	96	98124	4.581	ug/L	87
13) Acetone	2.637	43	212215	42.598	ug/L	99
14) Carbon disulfide	2.792	76	246041	3.874	ug/L	99
15) Methyl Acetate	2.952	43	46990	5.090	ug/L	98
16) Methylene chloride	3.046	84	146001	4.848	ug/L	96
17) Methyl tert-butyl Ether	3.361	73	251392	4.755	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	98051	4.434	ug/L	94
19) 1,1-Dichloroethane	3.865	63	234288	5.120	ug/L	99
21) 2-Butanone	4.705	43	327763	50.694	ug/L	97
22) cis-1,2-Dichloroethene	4.663	96	120850	4.799	ug/L	96
23) Bromochloromethane	4.971	128	49121	4.688	ug/L	97
25) Chloroform	5.084	83	231676	5.135	ug/L	97

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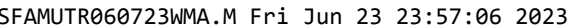
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005198

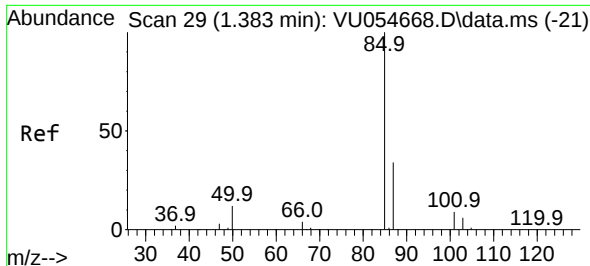
Quant Time: Jun 23 23:56:58 2023
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	134510	5.086	ug/L	97
29) 1,1,1-Trichloroethane	5.312	97	187906	4.993	ug/L	98
30) Cyclohexane	5.386	56	180803	4.411	ug/L	97
31) Carbon tetrachloride	5.521	117	158358	4.883	ug/L	99
33) Benzene	5.769	78	482475	4.837	ug/L	100
34) Trichloroethene	6.541	95	123047	4.665	ug/L	94
35) Methylcyclohexane	6.759	83	169407	4.249	ug/L	96
37) 1,2-Dichloropropane	6.788	63	140906	5.225	ug/L	99
38) Bromodichloromethane	7.103	83	160970	5.273	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	186799	5.073	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	772257	53.658	ug/L	97
42) Toluene	7.968	91	508608	4.951	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	151933	5.084	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	88013	5.130	ug/L	98
47) Tetrachloroethene	8.550	164	84955	4.208	ug/L	95
48) 2-Hexanone	8.682	43	560798	52.295	ug/L	97
49) Dibromochloromethane	8.807	129	93895	5.212	ug/L	97
50) 1,2-Dibromoethane	8.920	107	78187	4.964	ug/L	97
51) Chlorobenzene	9.444	112	308422	4.817	ug/L	98
52) Ethylbenzene	9.566	91	536605	4.783	ug/L	99
53) m,p-Xylene	9.692	106	201214	4.882	ug/L	95
54) o-Xylene	10.097	106	192477	4.830	ug/L	97
55) Styrene	10.113	104	334181	4.996	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.778	83	113954	5.229	ug/L	99
59) Bromoform	10.286	173	54249	5.297	ug/L	99
60) Isopropylbenzene	10.483	105	531410	5.092	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	74886	5.194	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	418058	4.910	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	433492	5.013	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	243893	5.000	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	243535	4.975	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	226953	5.059	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	16892	5.332	ug/L	82
69) 1,3,5-Trichlorobenzene	13.216	180	181125	4.921	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	141266	4.642	ug/L	99
71) Naphthalene	14.084	128	209504	4.234	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	122186	4.673	ug/L	98

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

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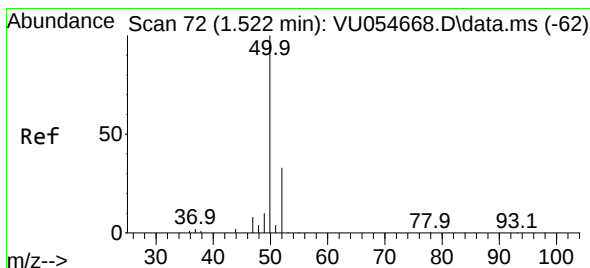
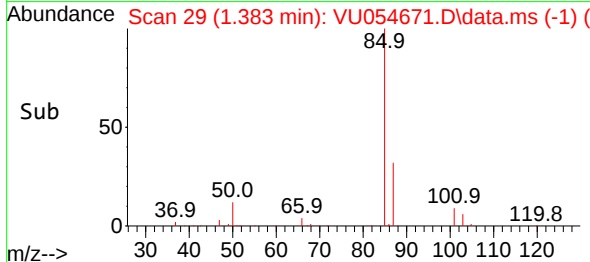
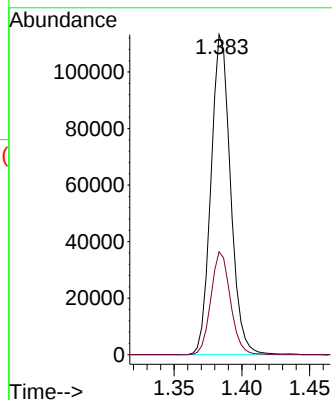
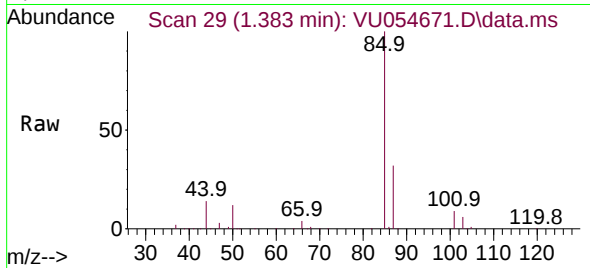




#2
 Dichlorodifluoromethane
 Concen: 4.116 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU054671.D
 Acq: 23 Jun 2023 14:59

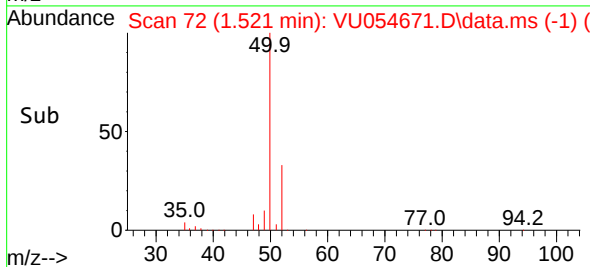
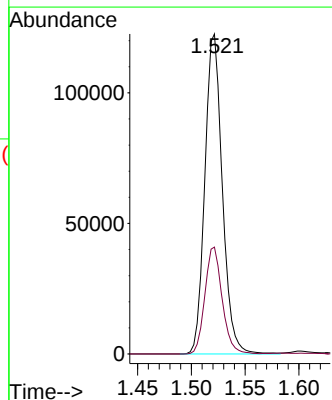
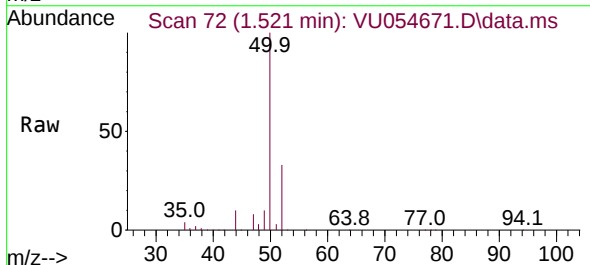
Instrument :
 MSVOA_U
 ClientSampleId :
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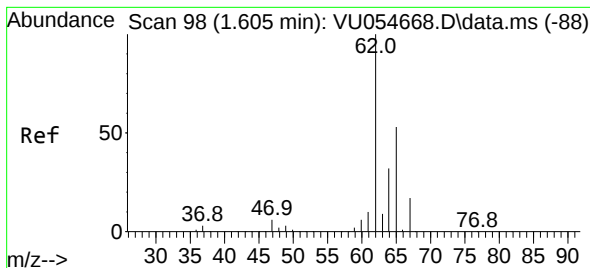
Tgt Ion: 85 Resp: 113575
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.4 38.2



#3
 Chloromethane
 Concen: 4.378 ug/L
 RT: 1.521 min Scan# 72
 Delta R.T. -0.000 min
 Lab File: VU054671.D
 Acq: 23 Jun 2023 14:59

Tgt Ion: 50 Resp: 138768
 Ion Ratio Lower Upper
 50 100
 52 33.4 23.4 43.4





#5

Vinyl chloride

Concen: 4.508 ug/L

RT: 1.605 min Scan# 98

Delta R.T. -0.000 min

Lab File: VU054671.D

Acq: 23 Jun 2023 14:59

Instrument :

MSVOA_U

ClientSampleId :

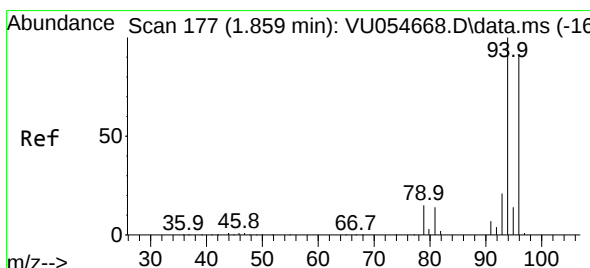
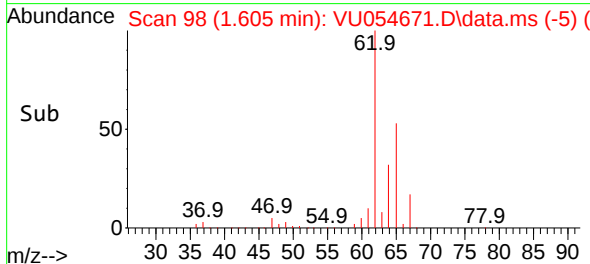
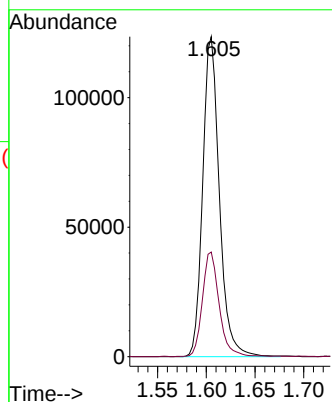
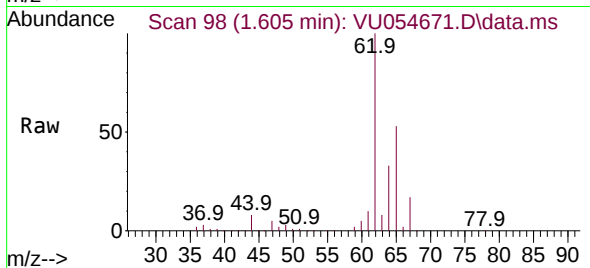
VSTD005198

Tgt Ion: 62 Resp: 146660

Ion Ratio Lower Upper

62 100

64 32.7 23.0 42.6



#6

Bromomethane

Concen: 4.193 ug/L

RT: 1.859 min Scan# 177

Delta R.T. -0.000 min

Lab File: VU054671.D

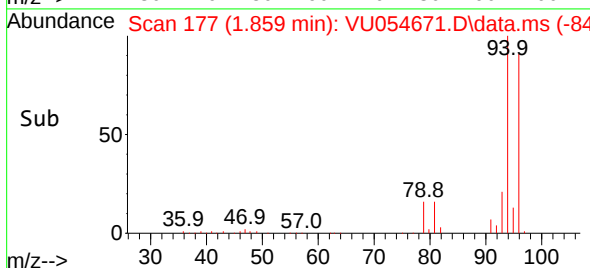
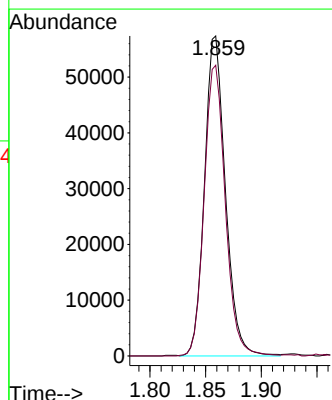
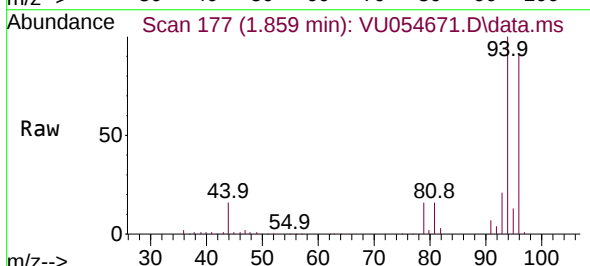
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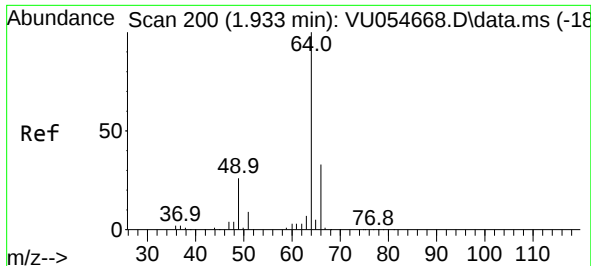
Tgt Ion: 94 Resp: 75002

Ion Ratio Lower Upper

94 100

96 90.9 63.6 118.2

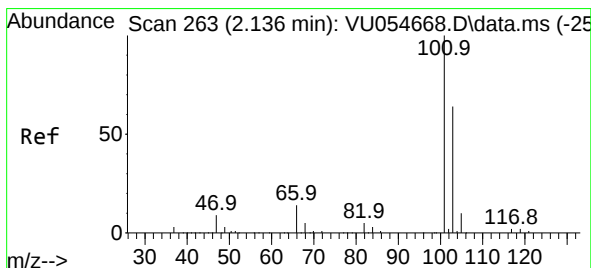
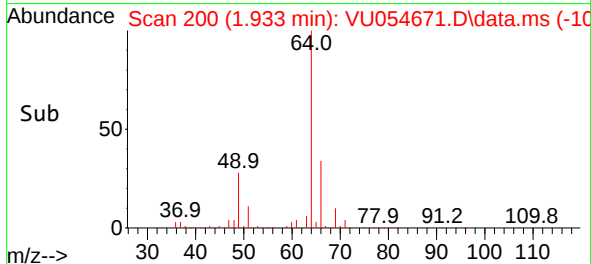
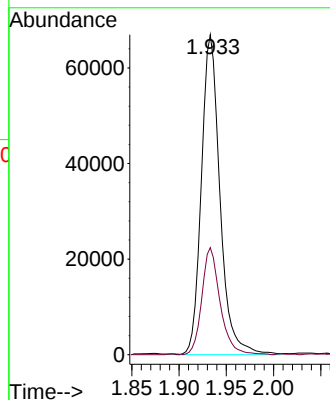
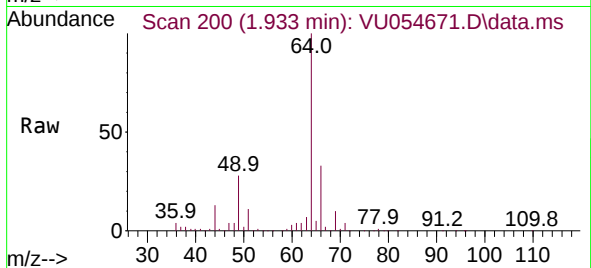




#8
Chloroethane
Concen: 4.700 ug/L
RT: 1.933 min Scan# 200
Delta R.T. -0.000 min
Lab File: VU054671.D
Acq: 23 Jun 2023 14:59

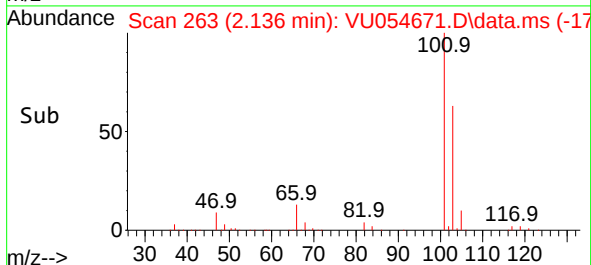
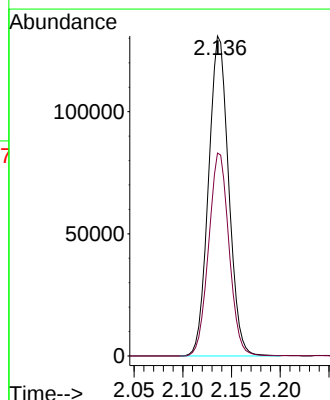
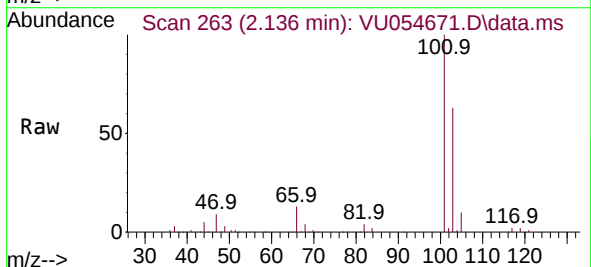
Instrument :
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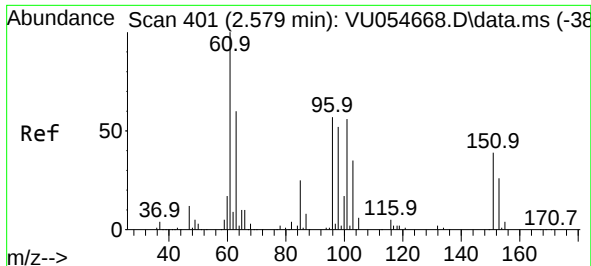
Tgt Ion: 64 Resp: 91650
Ion Ratio Lower Upper
64 100
66 33.5 22.9 42.5



#9
Trichlorofluoromethane
Concen: 4.710 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.000 min
Lab File: VU054671.D
Acq: 23 Jun 2023 14:59

Tgt Ion:101 Resp: 188373
Ion Ratio Lower Upper
101 100
103 64.1 50.6 75.8

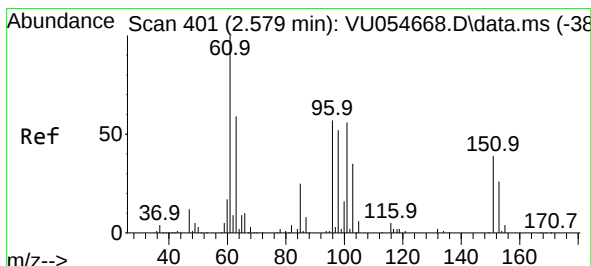
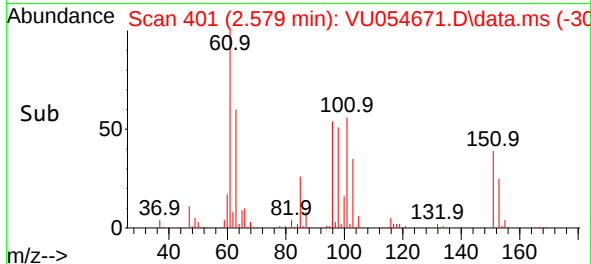
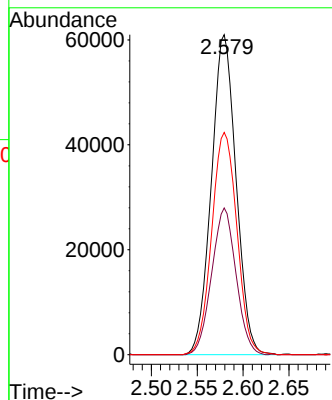
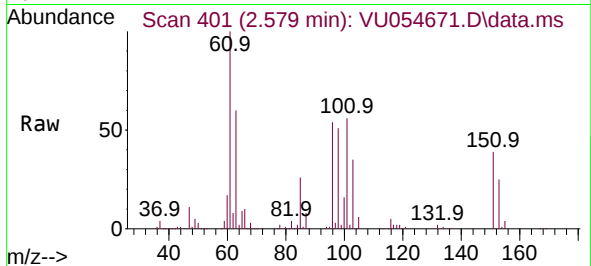




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.883 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. -0.000 min
 Lab File: VU054671.D
 Acq: 23 Jun 2023 14:59

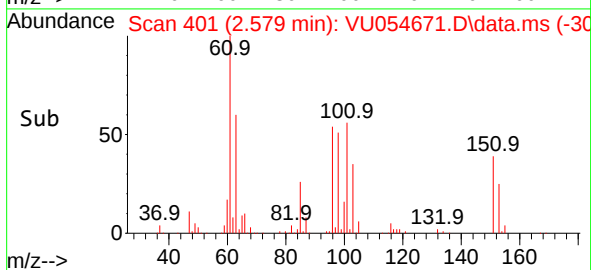
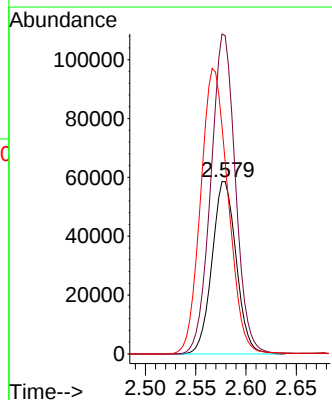
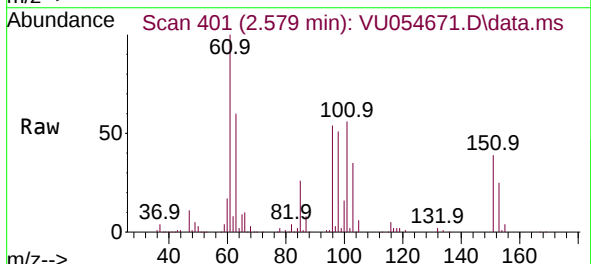
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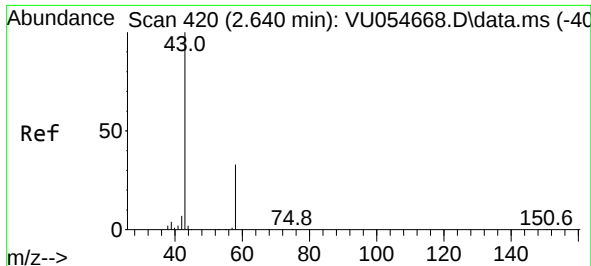
Tgt Ion:101 Resp: 114264
 Ion Ratio Lower Upper
 101 100
 85 45.2 34.6 51.8
 151 71.0 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 4.581 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. -0.000 min
 Lab File: VU054671.D
 Acq: 23 Jun 2023 14:59

Tgt Ion: 96 Resp: 98124
 Ion Ratio Lower Upper
 96 100
 61 184.5 119.9 222.7
 63 111.5 64.3 119.3





#13

Acetone

Concen: 42.598 ug/L

RT: 2.637 min Scan# 419

Delta R.T. -0.003 min

Lab File: VU054671.D

Acq: 23 Jun 2023 14:59

Instrument :

MSVOA_U

ClientSampleId :

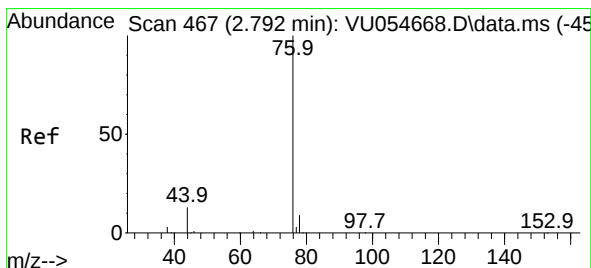
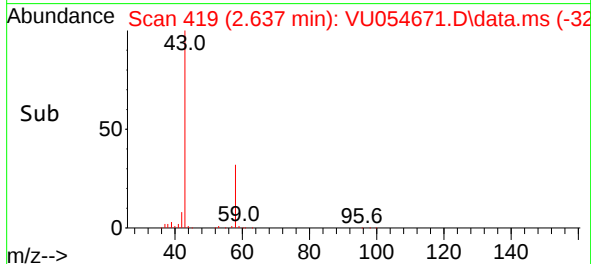
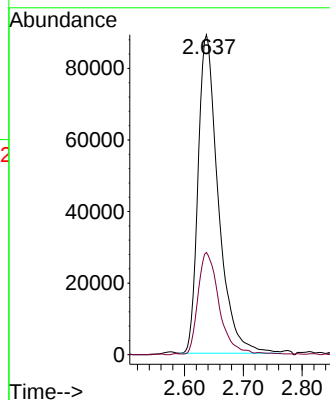
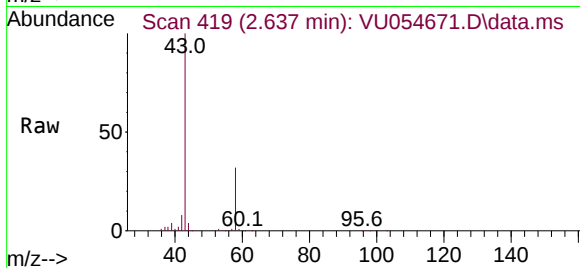
VSTD005198

Tgt Ion: 43 Resp: 212215

Ion Ratio Lower Upper

43 100

58 32.8 0.0 67.2



#14

Carbon disulfide

Concen: 3.874 ug/L

RT: 2.792 min Scan# 467

Delta R.T. -0.000 min

Lab File: VU054671.D

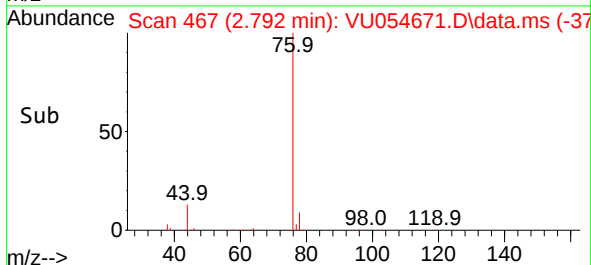
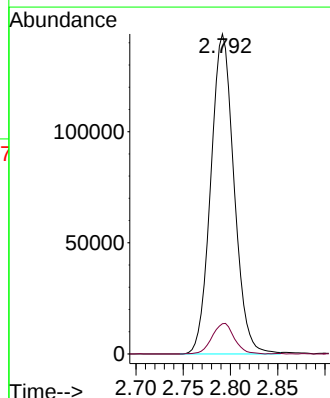
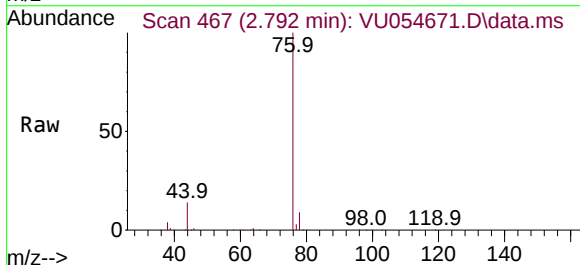
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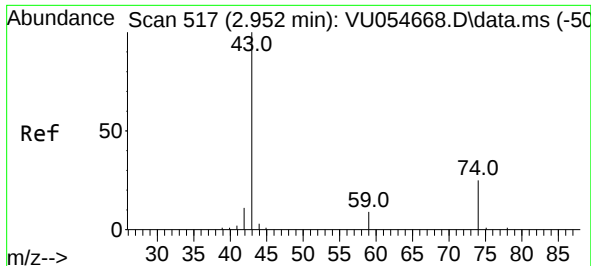
Tgt Ion: 76 Resp: 246041

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0

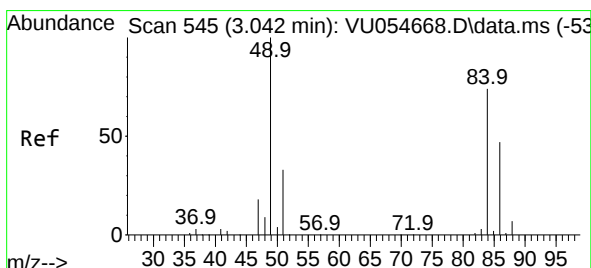
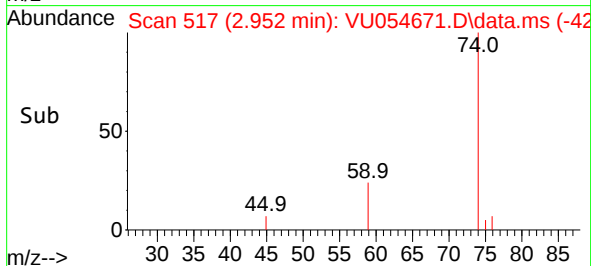
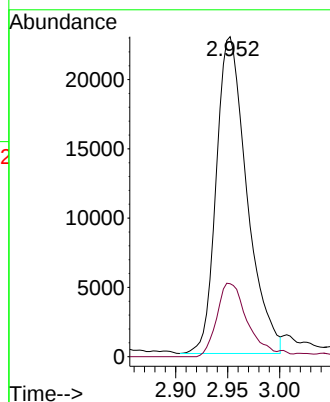
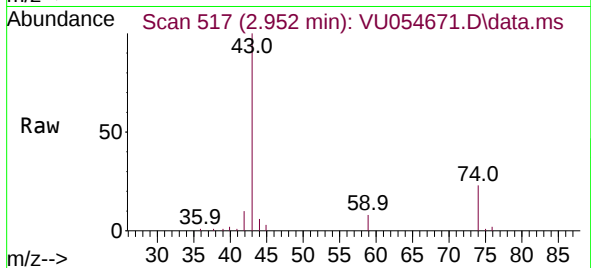




#15
Methyl Acetate
Concen: 5.090 ug/L
RT: 2.952 min Scan# 517
Delta R.T. -0.000 min
Lab File: VU054671.D
Acq: 23 Jun 2023 14:59

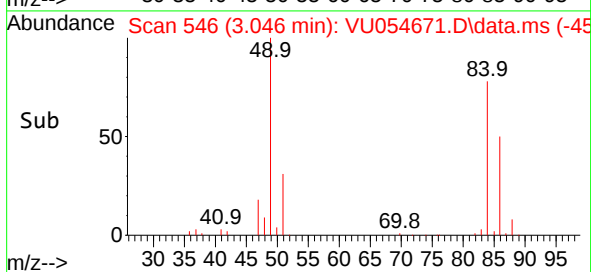
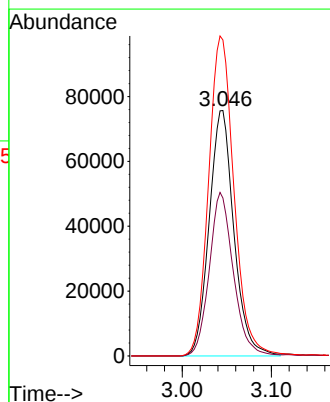
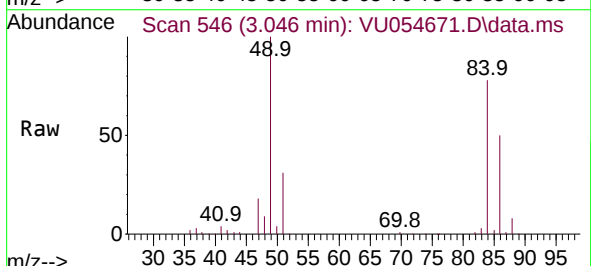
Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

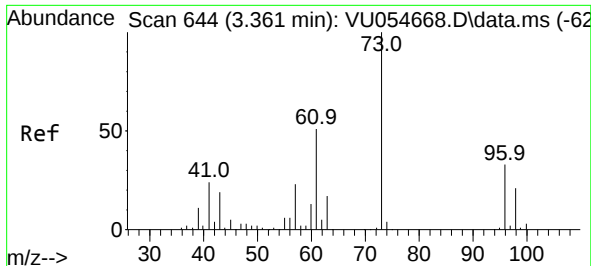
Tgt Ion: 43 Resp: 46990
Ion Ratio Lower Upper
43 100
74 22.8 19.0 28.6



#16
Methylene chloride
Concen: 4.848 ug/L
RT: 3.046 min Scan# 546
Delta R.T. 0.003 min
Lab File: VU054671.D
Acq: 23 Jun 2023 14:59

Tgt Ion: 84 Resp: 146001
Ion Ratio Lower Upper
84 100
86 64.4 43.9 81.5
49 128.7 86.1 159.9

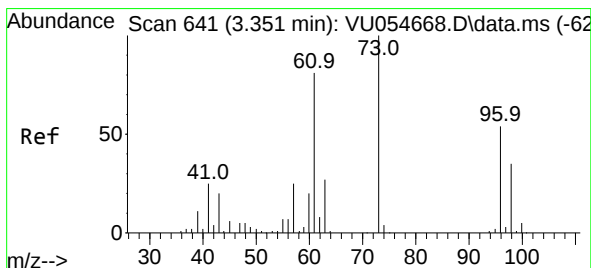
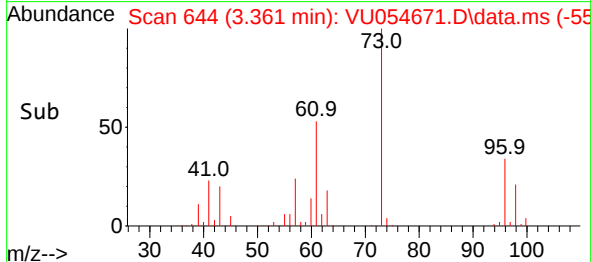
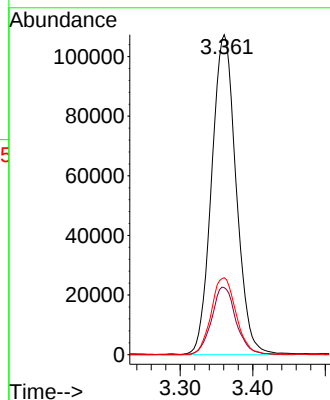
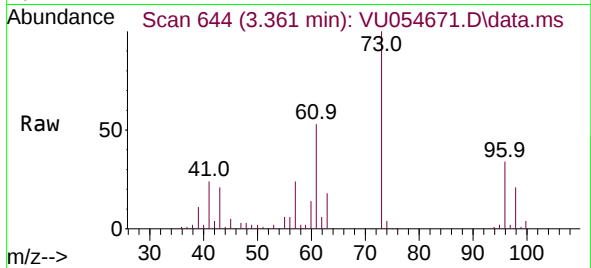




#17
Methyl tert-butyl Ether
Concen: 4.755 ug/L
RT: 3.361 min Scan# 644
Delta R.T. -0.000 min
Lab File: VU054671.D
Acq: 23 Jun 2023 14:59

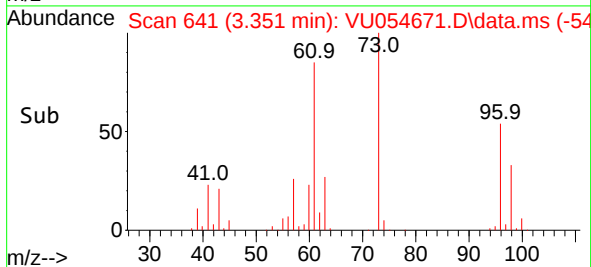
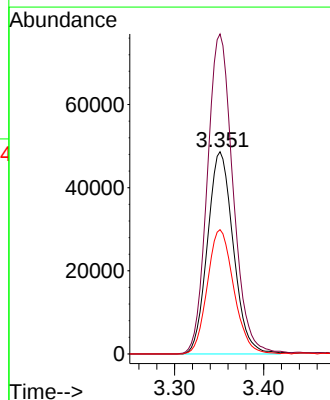
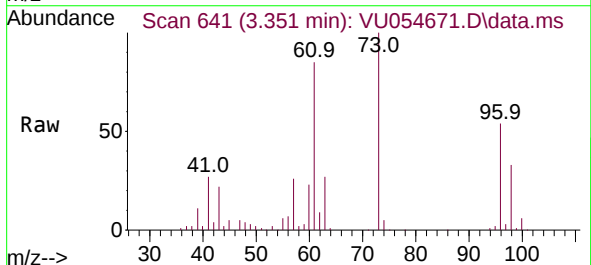
Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

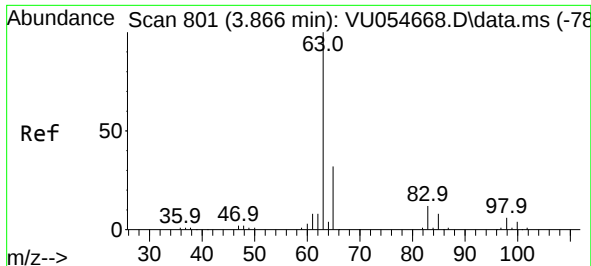
Tgt Ion: 73 Resp: 251392
Ion Ratio Lower Upper
73 100
43 20.7 15.7 23.5
57 24.6 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 4.434 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU054671.D
Acq: 23 Jun 2023 14:59

Tgt Ion: 96 Resp: 98051
Ion Ratio Lower Upper
96 100
61 158.2 104.6 194.2
98 61.5 45.4 84.4





#19

1,1-Dichloroethane

Concen: 5.120 ug/L

RT: 3.865 min Scan# 801

Delta R.T. -0.000 min

Lab File: VU054671.D

Acq: 23 Jun 2023 14:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD005198

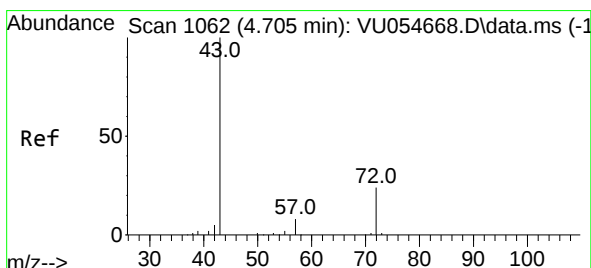
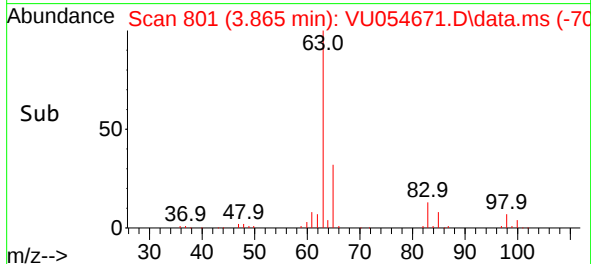
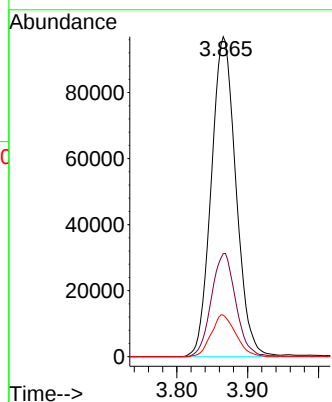
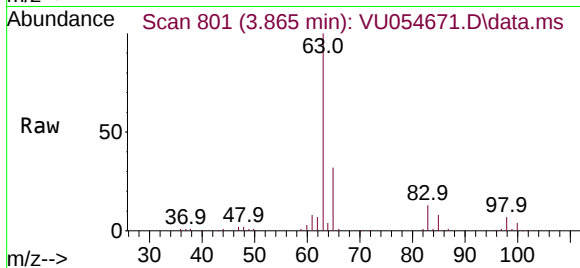
Tgt Ion: 63 Resp: 234288

Ion Ratio Lower Upper

63 100

65 32.2 22.2 41.2

83 13.0 9.0 16.6



#21

2-Butanone

Concen: 50.694 ug/L

RT: 4.705 min Scan# 1062

Delta R.T. -0.000 min

Lab File: VU054671.D

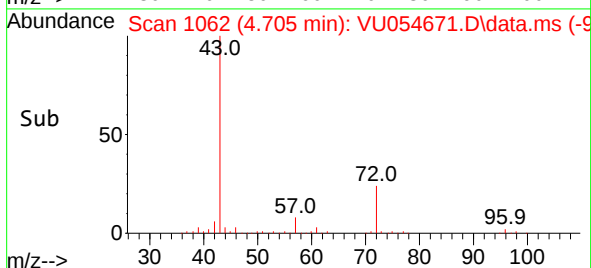
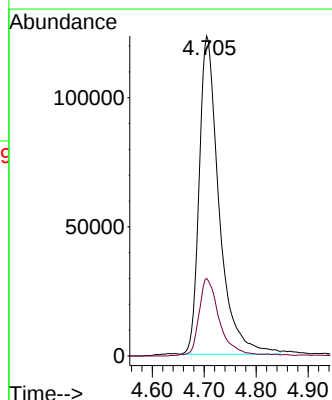
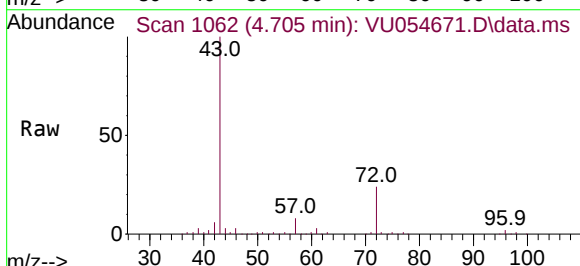
Acq: 23 Jun 2023 14:59

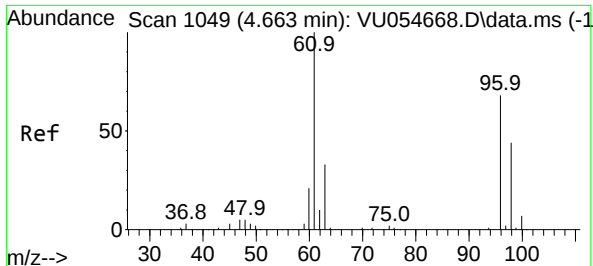
Tgt Ion: 43 Resp: 327763

Ion Ratio Lower Upper

43 100

72 25.0 13.4 40.1

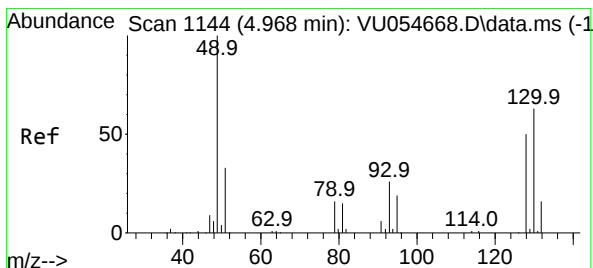
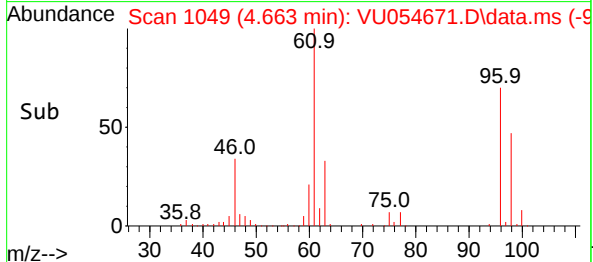
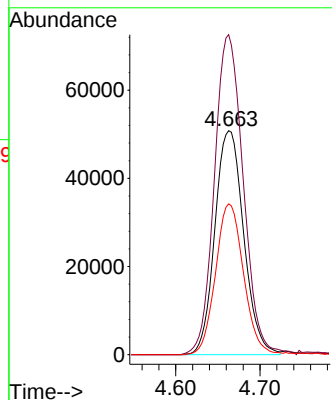
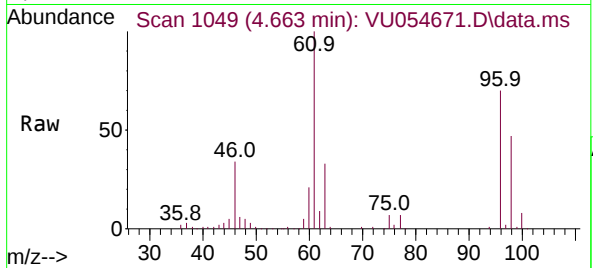




#22
 cis-1,2-Dichloroethene
 Concen: 4.799 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. -0.000 min
 Lab File: VU054671.D
 Acq: 23 Jun 2023 14:59

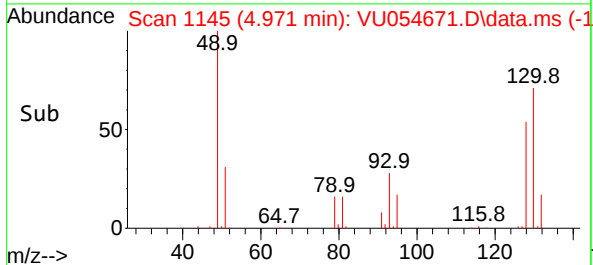
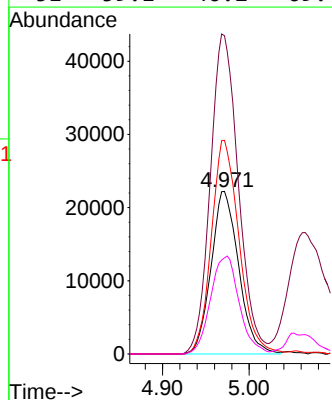
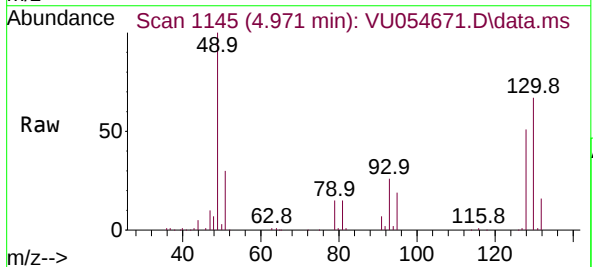
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005198

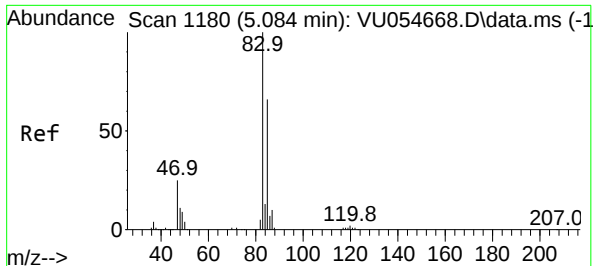
Tgt Ion: 96 Resp: 120850
 Ion Ratio Lower Upper
 96 100
 61 142.9 96.5 179.1
 98 67.3 44.9 83.3



#23
 Bromochloromethane
 Concen: 4.688 ug/L
 RT: 4.971 min Scan# 1145
 Delta R.T. 0.003 min
 Lab File: VU054671.D
 Acq: 23 Jun 2023 14:59

Tgt Ion: 128 Resp: 49121
 Ion Ratio Lower Upper
 128 100
 49 195.9 132.1 245.3
 130 131.5 91.5 169.9
 51 59.1 46.2 69.4





#25

Chloroform

Concen: 5.135 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU054671.D

Acq: 23 Jun 2023 14:59

Instrument :

MSVOA_U

ClientSampleId :

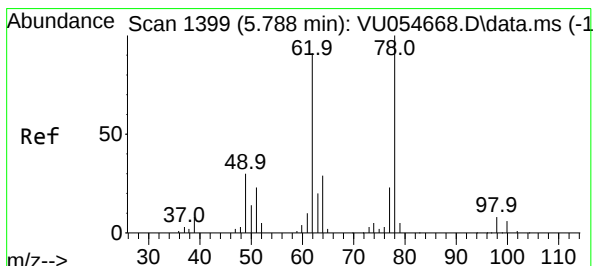
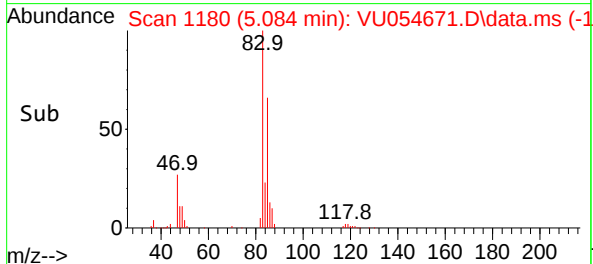
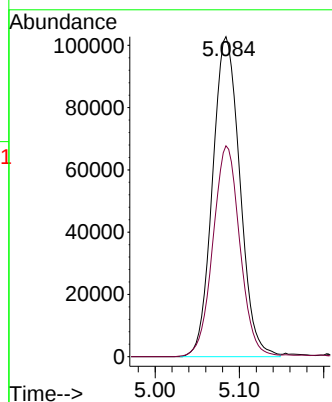
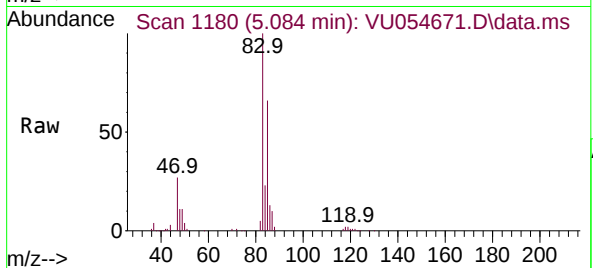
VSTD005198

Tgt Ion: 83 Resp: 231676

Ion Ratio Lower Upper

83 100

85 65.9 44.7 82.9



#27

1,2-Dichloroethane

Concen: 5.086 ug/L

RT: 5.791 min Scan# 1400

Delta R.T. 0.003 min

Lab File: VU054671.D

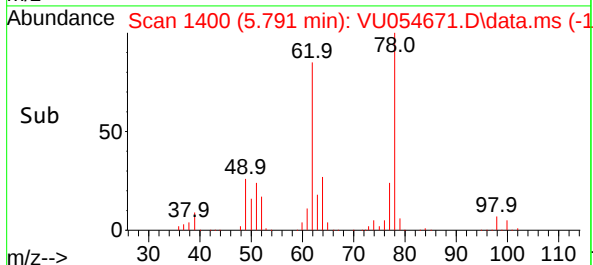
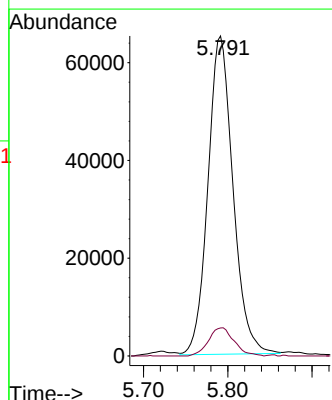
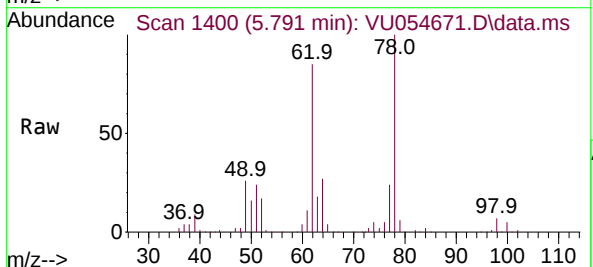
Acq: 23 Jun 2023 14:59

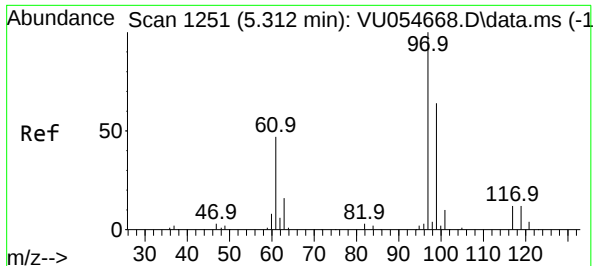
Tgt Ion: 62 Resp: 134510

Ion Ratio Lower Upper

62 100

98 8.8 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 4.993 ug/L

RT: 5.312 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054671.D

Acq: 23 Jun 2023 14:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD005198

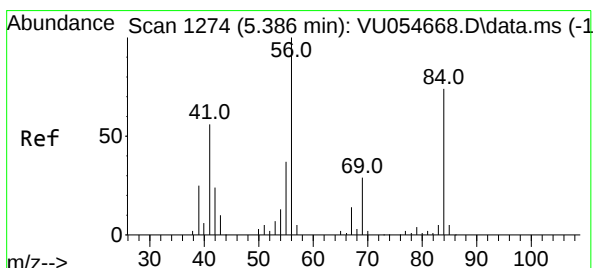
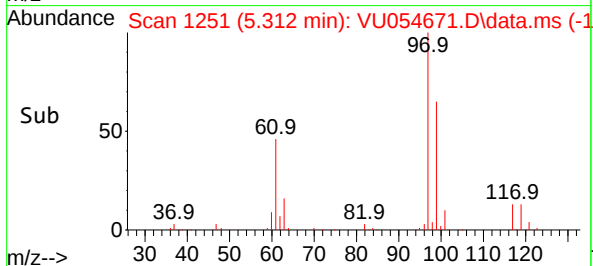
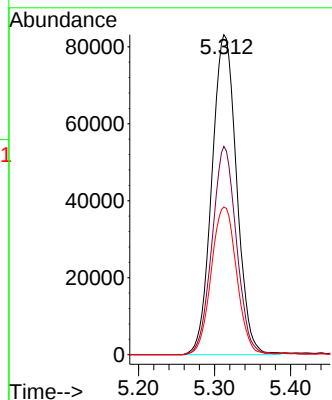
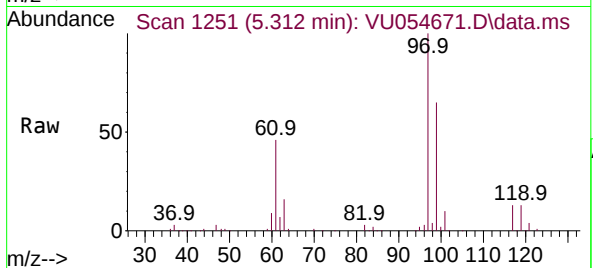
Tgt Ion: 97 Resp: 187906

Ion Ratio Lower Upper

97 100

99 64.0 50.8 76.2

61 47.6 36.1 54.1



#30

Cyclohexane

Concen: 4.411 ug/L

RT: 5.386 min Scan# 1274

Delta R.T. -0.000 min

Lab File: VU054671.D

Acq: 23 Jun 2023 14:59

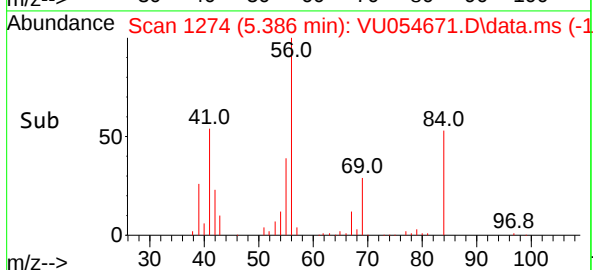
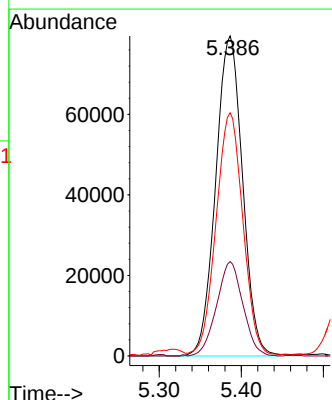
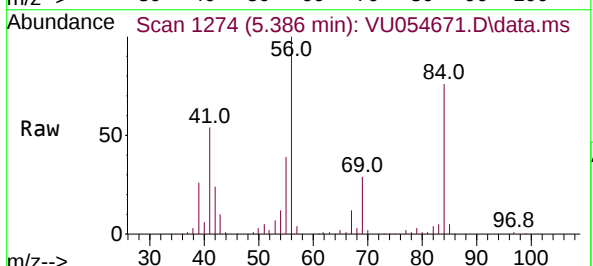
Tgt Ion: 56 Resp: 180803

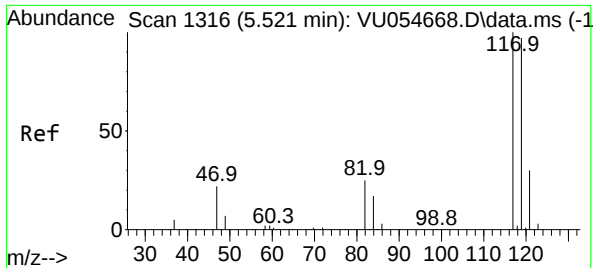
Ion Ratio Lower Upper

56 100

69 28.8 23.9 35.9

84 76.0 63.0 94.6

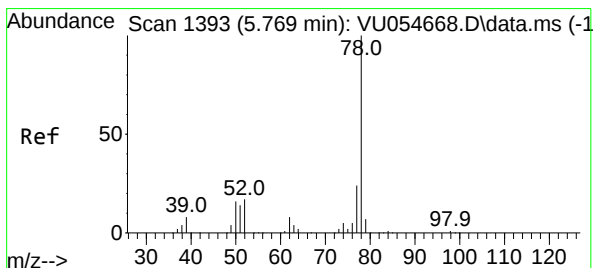
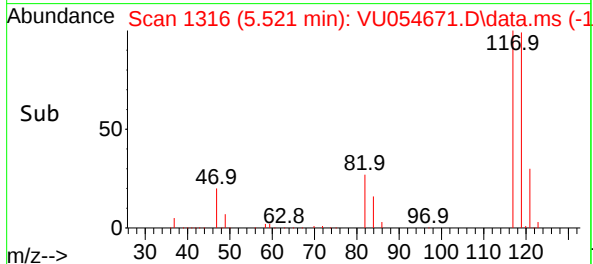
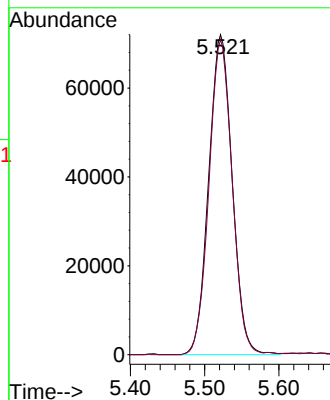
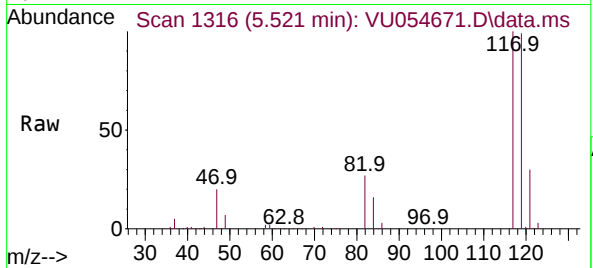




#31
Carbon tetrachloride
Concen: 4.883 ug/L
RT: 5.521 min Scan# 1316
Delta R.T. -0.000 min
Lab File: VU054671.D
Acq: 23 Jun 2023 14:59

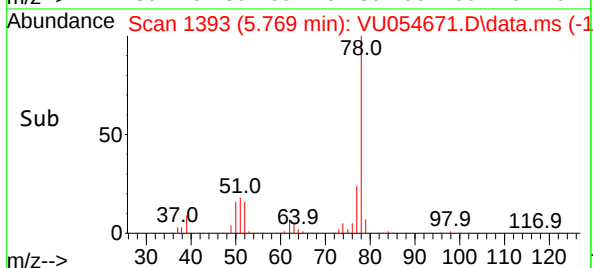
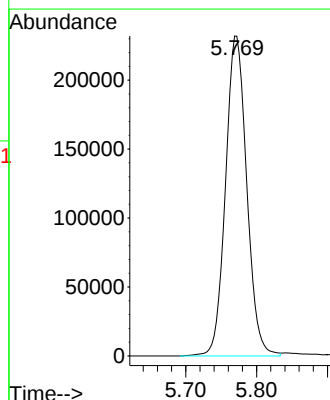
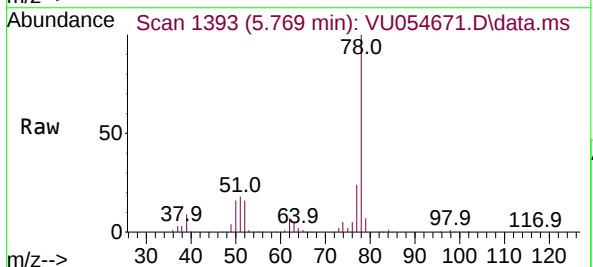
Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

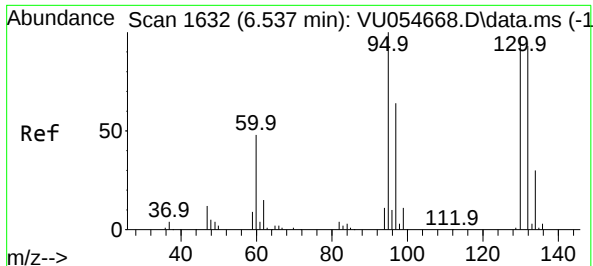
Tgt Ion:117 Resp: 158358
Ion Ratio Lower Upper
117 100
119 96.6 76.8 115.2



#33
Benzene
Concen: 4.837 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU054671.D
Acq: 23 Jun 2023 14:59

Tgt Ion: 78 Resp: 482475

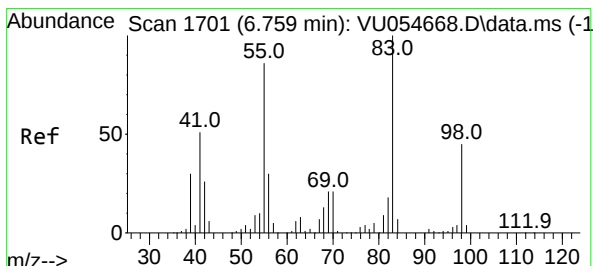
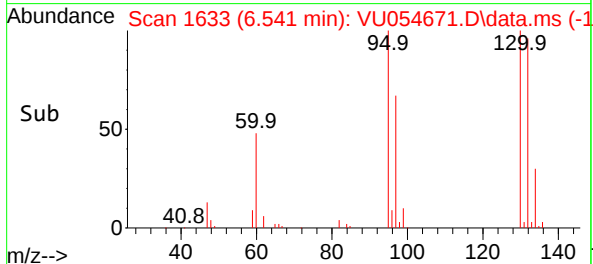
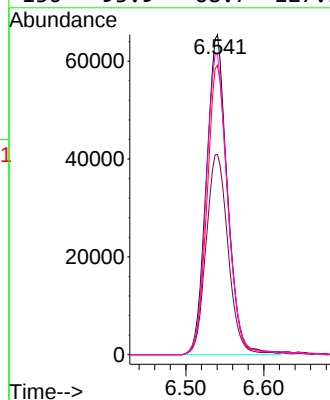
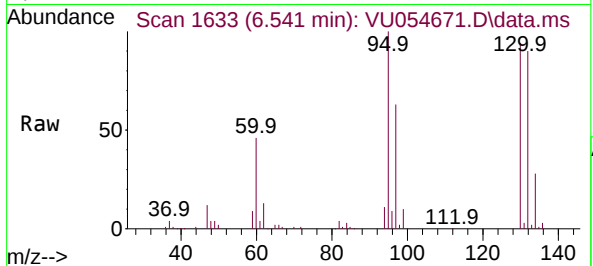




#34
Trichloroethene
Concen: 4.665 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. 0.003 min
Lab File: VU054671.D
Acq: 23 Jun 2023 14:59

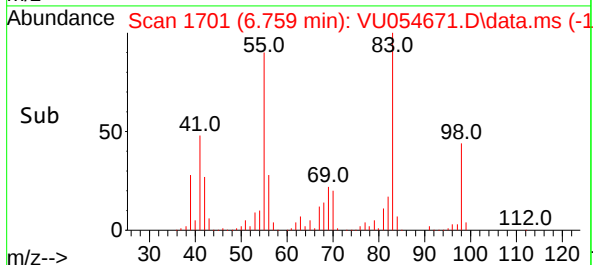
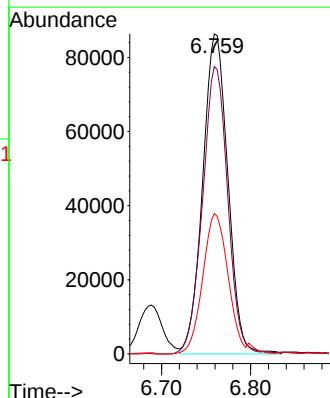
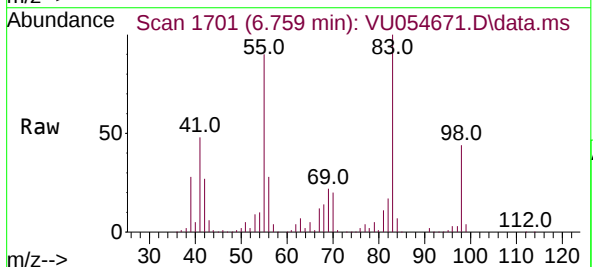
Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

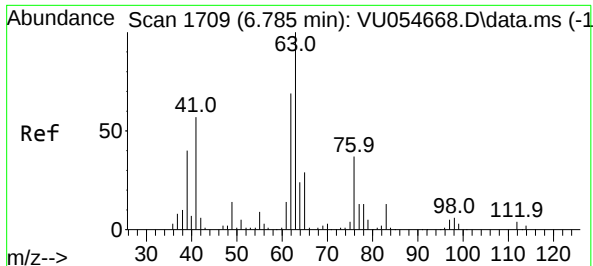
Tgt Ion: 95 Resp: 123047
Ion Ratio Lower Upper
95 100
97 62.6 46.8 87.0
132 90.5 68.4 127.0
130 93.9 68.7 127.5



#35
Methylcyclohexane
Concen: 4.249 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU054671.D
Acq: 23 Jun 2023 14:59

Tgt Ion: 83 Resp: 169407
Ion Ratio Lower Upper
83 100
55 89.9 67.1 100.7
98 43.9 35.1 52.7

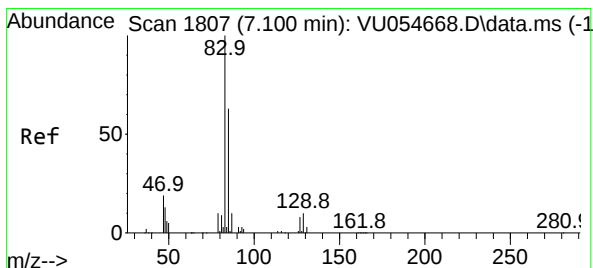
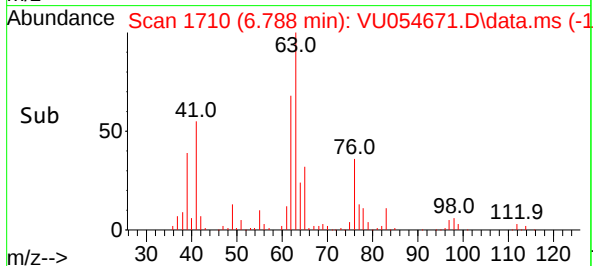
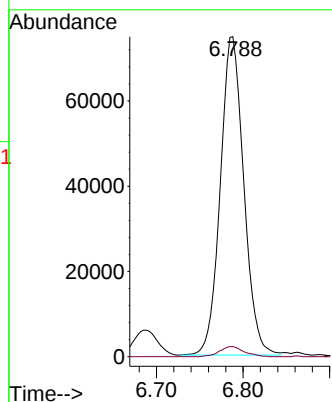
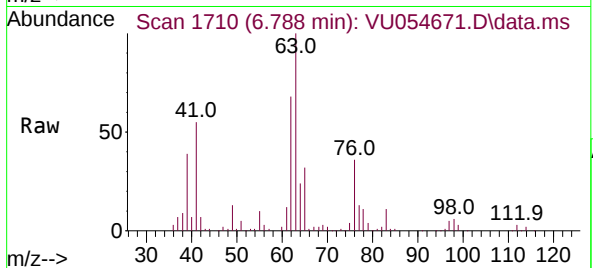




#37
1,2-Dichloropropane
Concen: 5.225 ug/L
RT: 6.788 min Scan# 1709
Delta R.T. 0.003 min
Lab File: VU054671.D
Acq: 23 Jun 2023 14:59

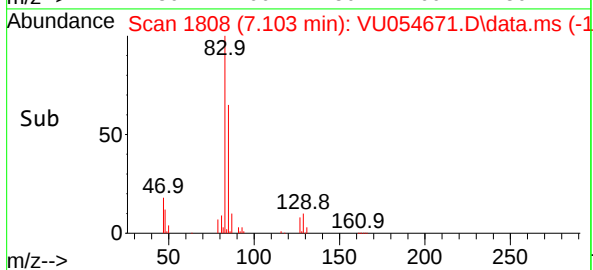
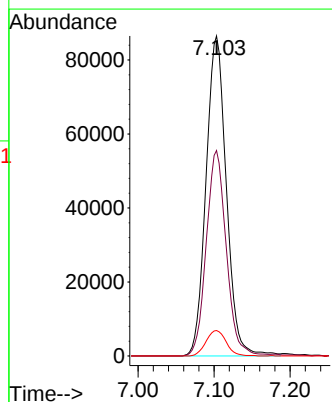
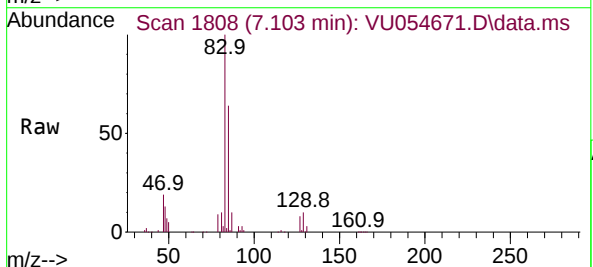
Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

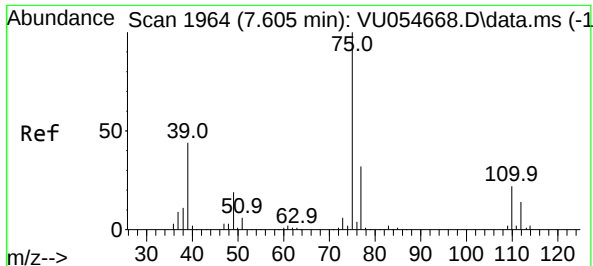
Tgt Ion: 63 Resp: 140906
Ion Ratio Lower Upper
63 100
112 3.3 3.0 4.6



#38
Bromodichloromethane
Concen: 5.273 ug/L
RT: 7.103 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VU054671.D
Acq: 23 Jun 2023 14:59

Tgt Ion: 83 Resp: 160970
Ion Ratio Lower Upper
83 100
85 64.2 44.1 81.9
127 7.9 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 5.073 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. -0.000 min

Lab File: VU054671.D

Acq: 23 Jun 2023 14:59

Instrument :

MSVOA_U

ClientSampleId :

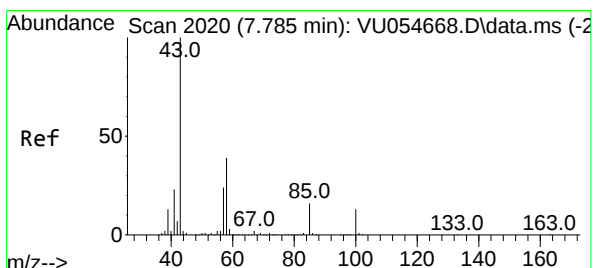
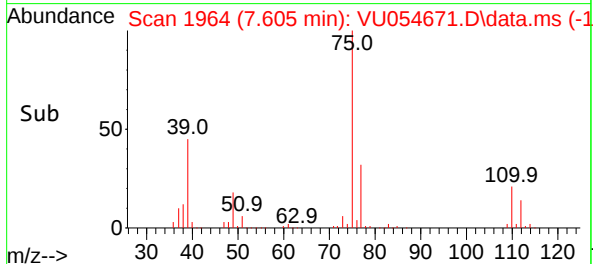
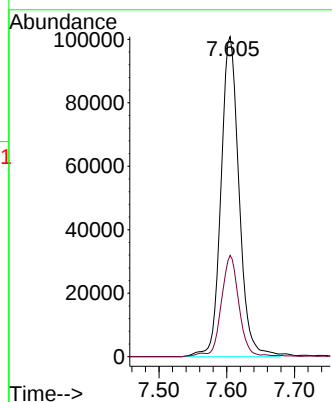
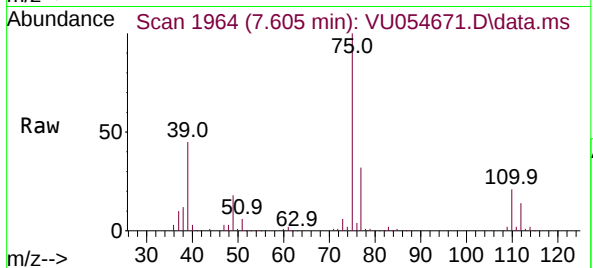
VSTD005198

Tgt Ion: 75 Resp: 186799

Ion Ratio Lower Upper

75 100

77 31.7 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 53.658 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.003 min

Lab File: VU054671.D

Acq: 23 Jun 2023 14:59

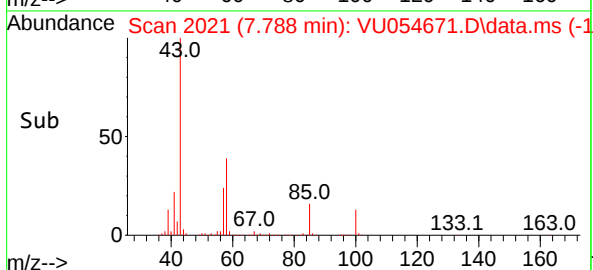
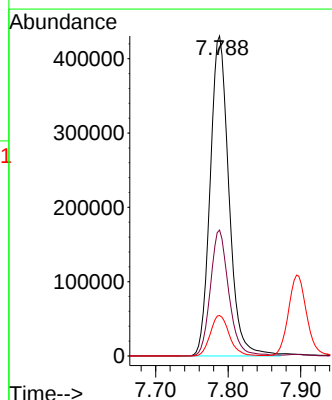
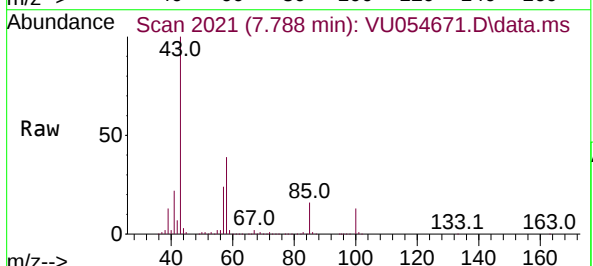
Tgt Ion: 43 Resp: 772257

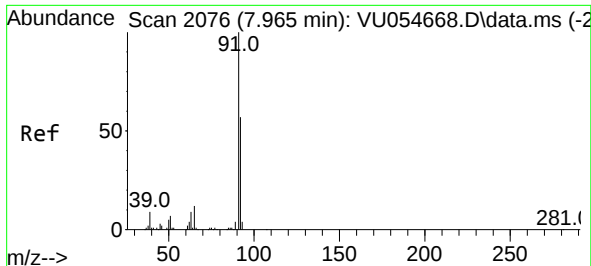
Ion Ratio Lower Upper

43 100

58 38.8 32.4 48.6

100 12.9 11.4 17.2

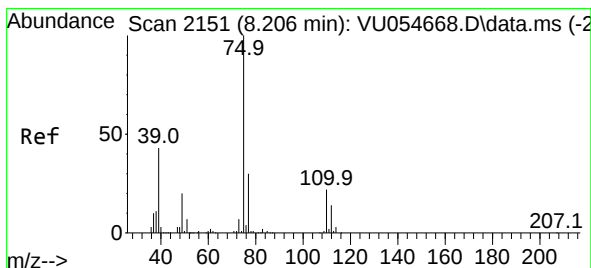
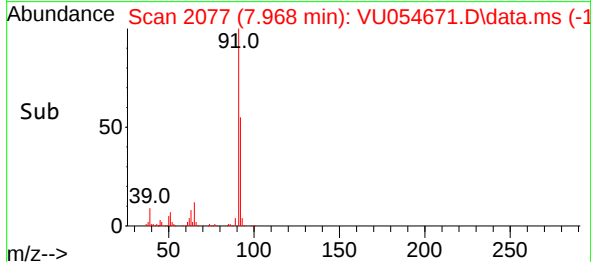
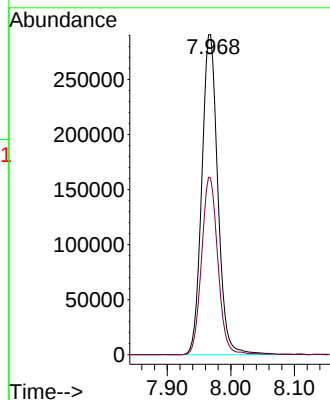
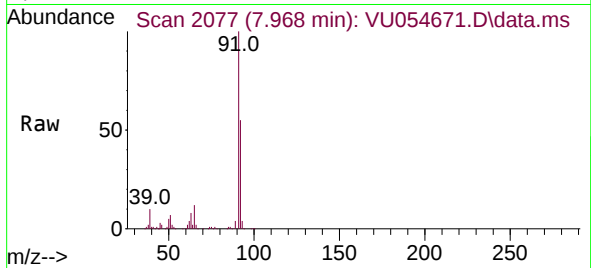




#42
Toluene
Concen: 4.951 ug/L
RT: 7.968 min Scan# 2076
Delta R.T. 0.003 min
Lab File: VU054671.D
Acq: 23 Jun 2023 14:59

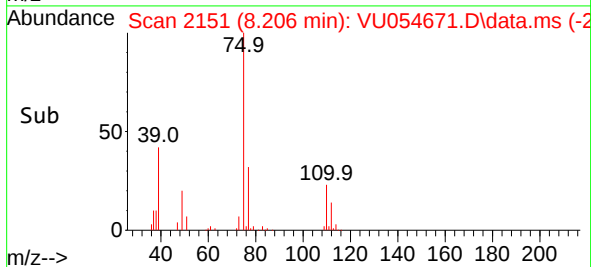
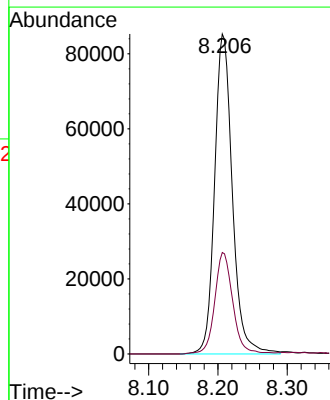
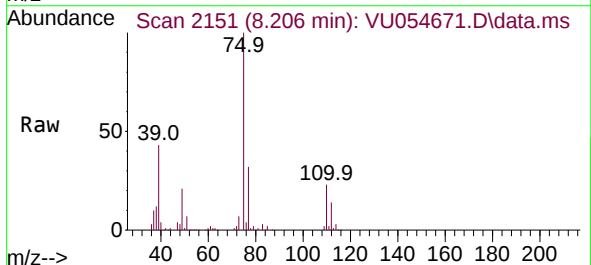
Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

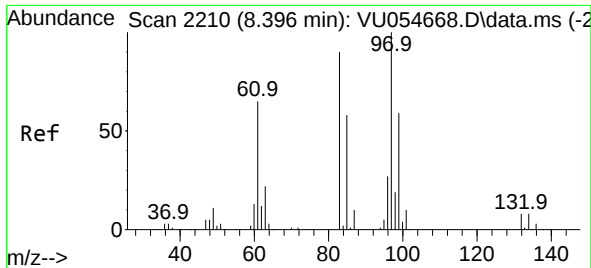
Tgt Ion: 91 Resp: 508608
Ion Ratio Lower Upper
91 100
92 55.2 39.5 73.4



#44
trans-1,3-Dichloropropene
Concen: 5.084 ug/L
RT: 8.206 min Scan# 2151
Delta R.T. -0.000 min
Lab File: VU054671.D
Acq: 23 Jun 2023 14:59

Tgt Ion: 75 Resp: 151933
Ion Ratio Lower Upper
75 100
77 31.7 21.3 39.6

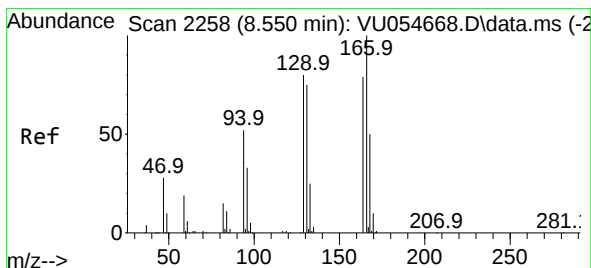
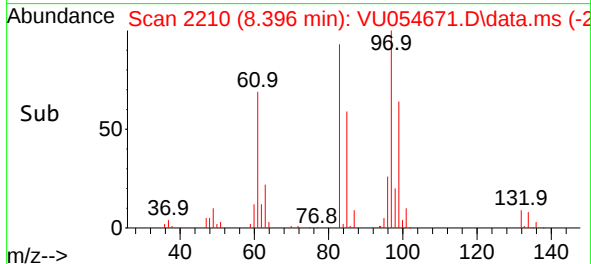
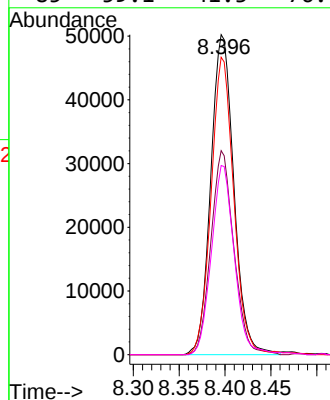
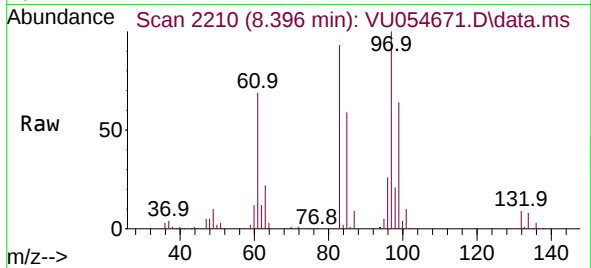




#45
1,1,2-Trichloroethane
Concen: 5.130 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. -0.000 min
Lab File: VU054671.D
Acq: 23 Jun 2023 14:59

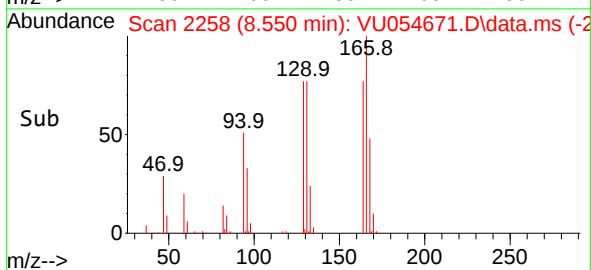
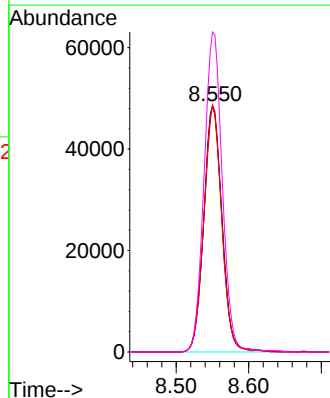
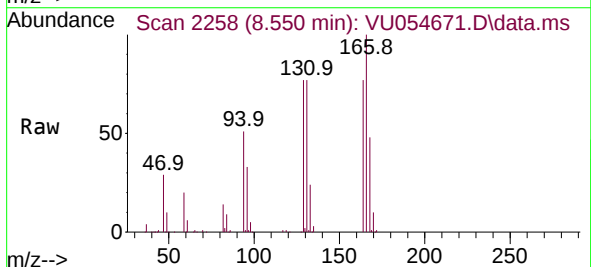
Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

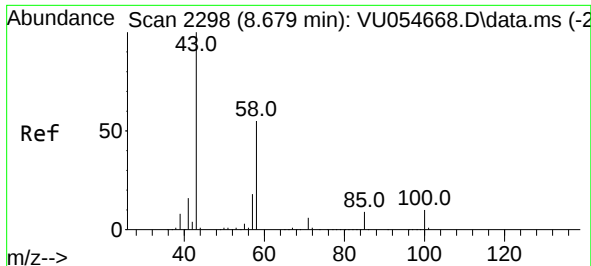
Tgt Ion: 97	Resp: 88013
Ion Ratio	Lower Upper
97 100	
99 63.8	43.0 80.0
83 92.9	63.8 118.6
85 59.1	41.3 76.7



#47
Tetrachloroethene
Concen: 4.208 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU054671.D
Acq: 23 Jun 2023 14:59

Tgt Ion: 164	Resp: 84955
Ion Ratio	Lower Upper
164 100	
129 100.2	67.7 125.7
131 100.1	64.6 120.0
166 130.0	88.1 163.7



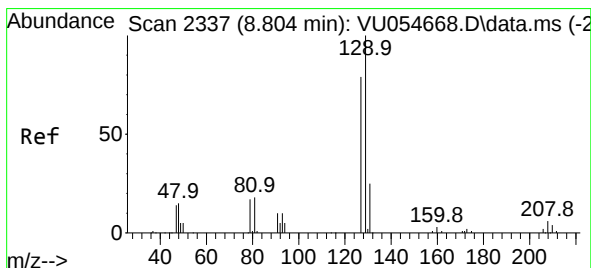
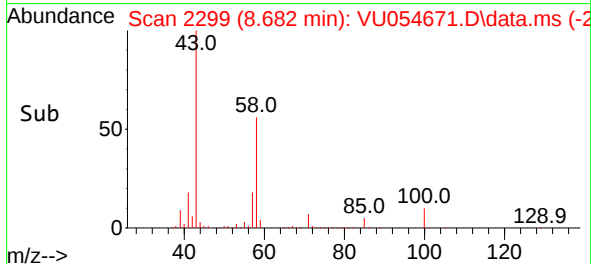
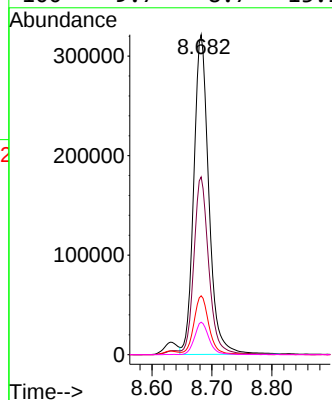
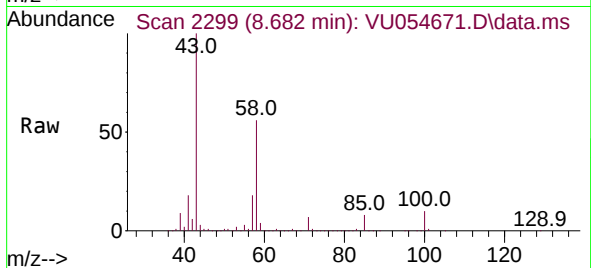


#48
2-Hexanone
Concen: 52.295 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU054671.D
Acq: 23 Jun 2023 14:59

Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

Tgt Ion: 43 Resp: 560798

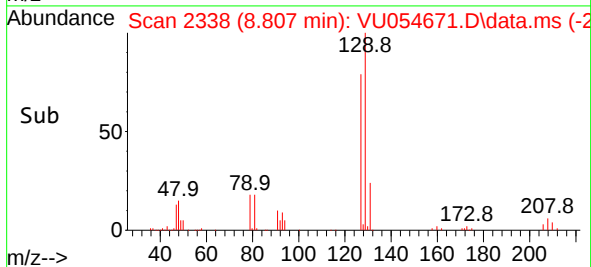
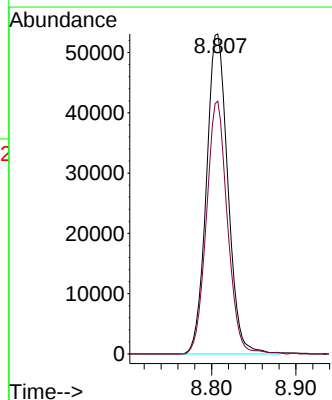
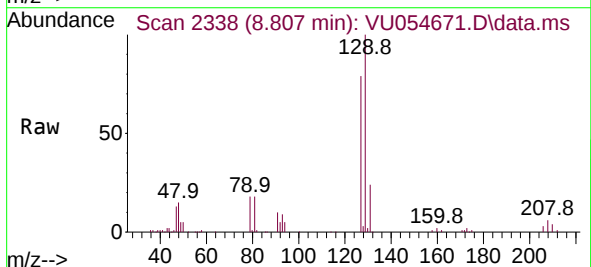
Ion	Ratio	Lower	Upper
43	100		
58	54.6	45.2	67.8
57	18.4	15.8	23.6
100	9.7	8.7	13.1

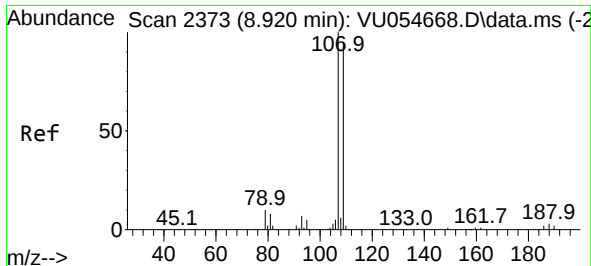


#49
Dibromochloromethane
Concen: 5.212 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.003 min
Lab File: VU054671.D
Acq: 23 Jun 2023 14:59

Tgt Ion: 129 Resp: 93895

Ion	Ratio	Lower	Upper
129	100		
127	79.0	53.2	98.8





#50

1,2-Dibromoethane

Concen: 4.964 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054671.D

Acq: 23 Jun 2023 14:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD005198

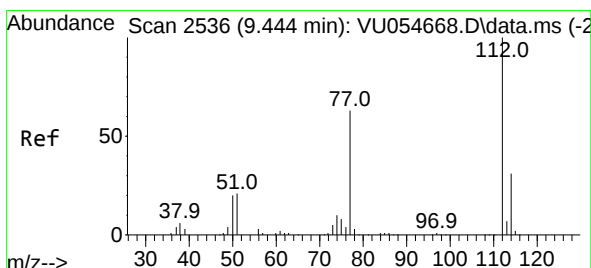
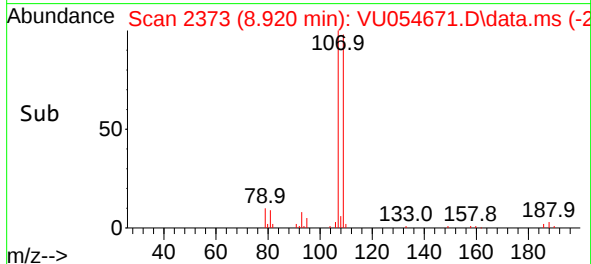
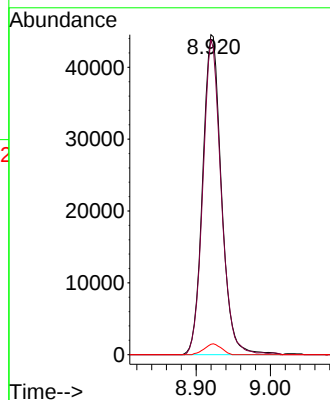
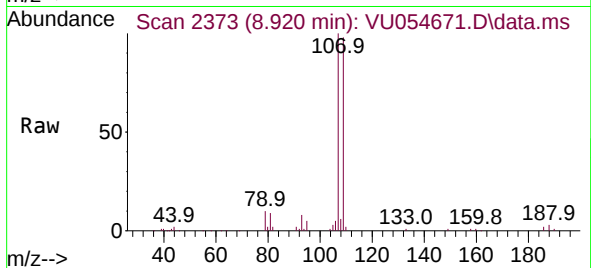
Tgt Ion:107 Resp: 78187

Ion Ratio Lower Upper

107 100

109 98.3 66.6 123.6

188 3.2 3.1 4.7



#51

Chlorobenzene

Concen: 4.817 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. -0.000 min

Lab File: VU054671.D

Acq: 23 Jun 2023 14:59

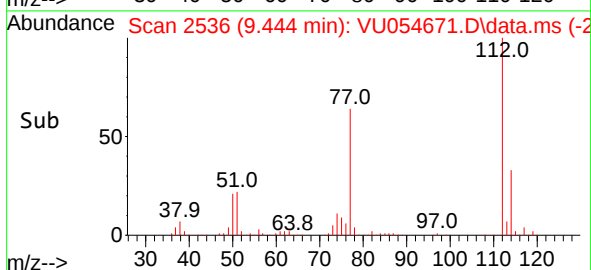
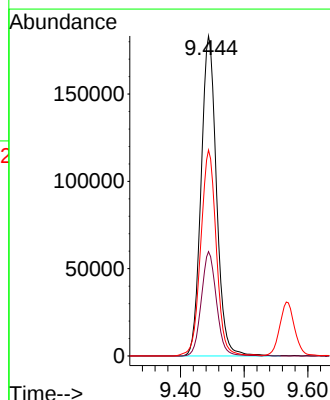
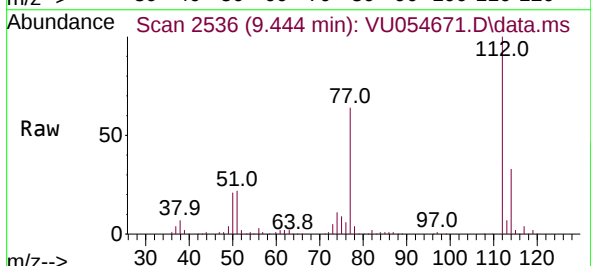
Tgt Ion:112 Resp: 308422

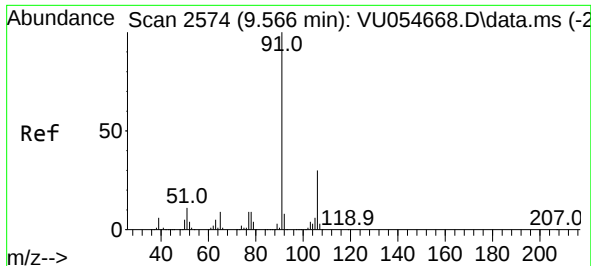
Ion Ratio Lower Upper

112 100

114 32.6 22.7 42.1

77 64.3 49.8 74.8

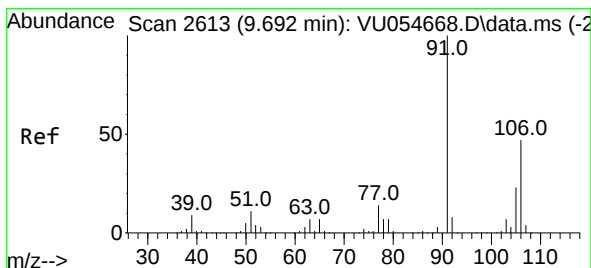
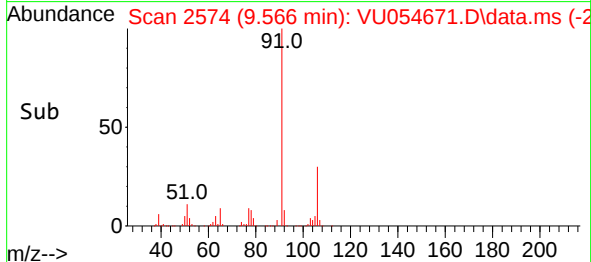
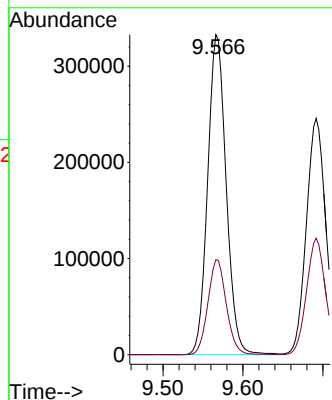
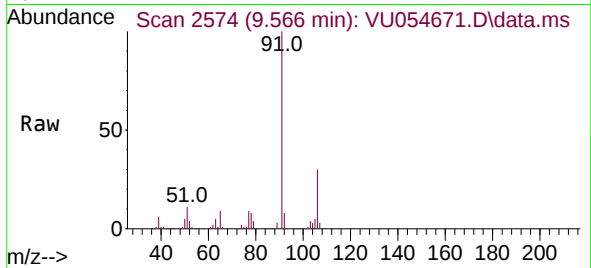




#52
Ethylbenzene
Concen: 4.783 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054671.D
Acq: 23 Jun 2023 14:59

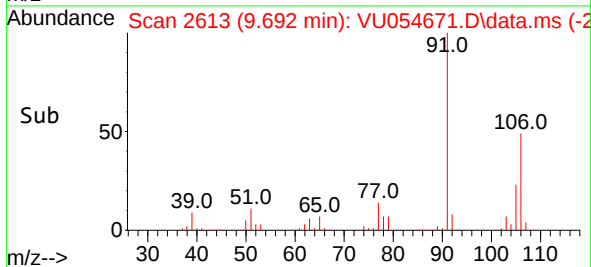
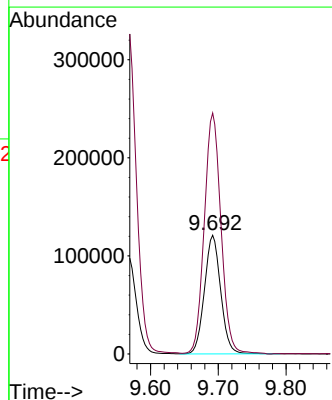
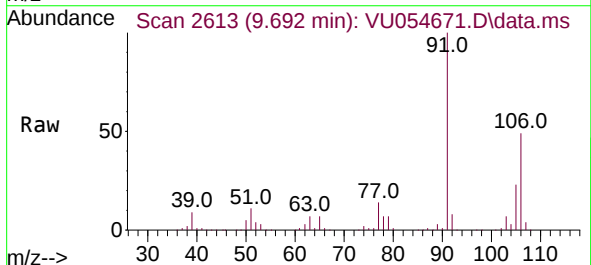
Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

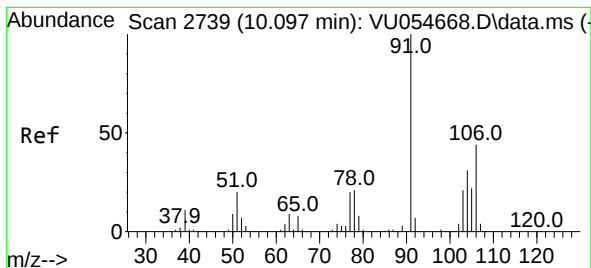
Tgt Ion: 91 Resp: 536605
Ion Ratio Lower Upper
91 100
106 29.7 21.1 39.3



#53
m,p-Xylene
Concen: 4.882 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU054671.D
Acq: 23 Jun 2023 14:59

Tgt Ion: 106 Resp: 201214
Ion Ratio Lower Upper
106 100
91 203.0 147.0 273.0





#54

o-Xylene

Concen: 4.830 ug/L

RT: 10.097 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054671.D

Acq: 23 Jun 2023 14:59

Instrument :

MSVOA_U

ClientSampleId :

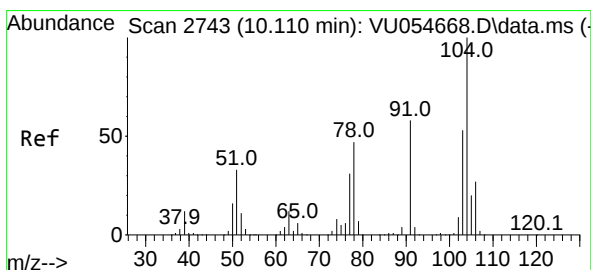
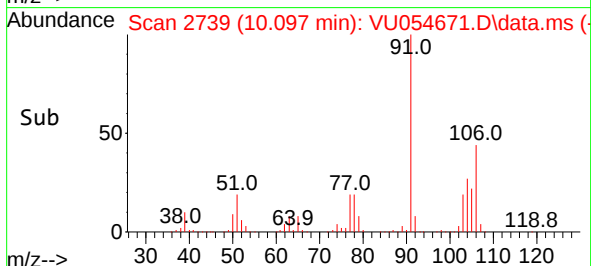
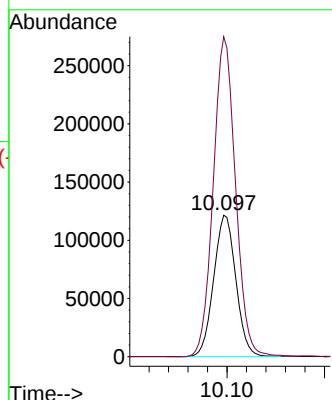
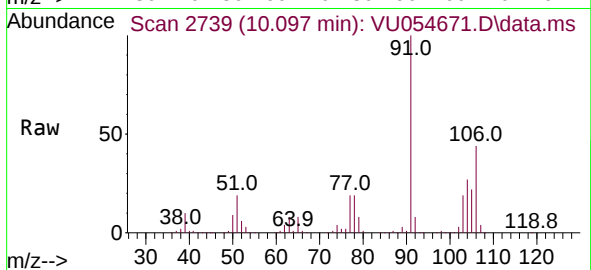
VSTD005198

Tgt Ion:106 Resp: 192477

Ion Ratio Lower Upper

106 100

91 226.3 154.5 286.9



#55

Styrene

Concen: 4.996 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. 0.003 min

Lab File: VU054671.D

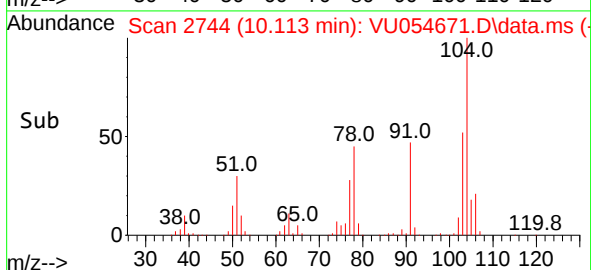
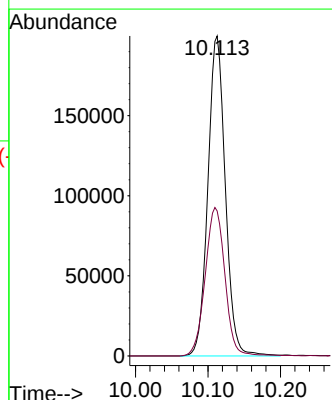
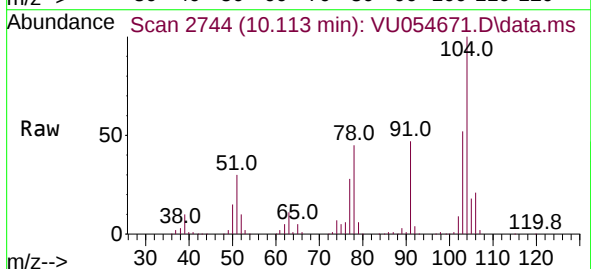
Acq: 23 Jun 2023 14:59

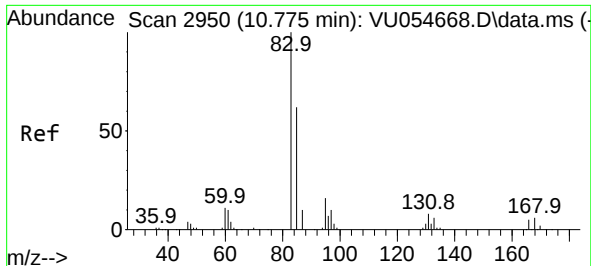
Tgt Ion:104 Resp: 334181

Ion Ratio Lower Upper

104 100

78 45.3 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 5.229 ug/L

RT: 10.778 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VU054671.D

Acq: 23 Jun 2023 14:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD005198

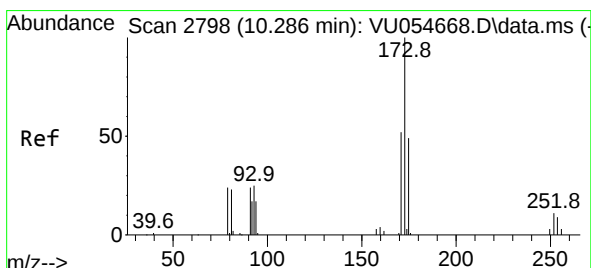
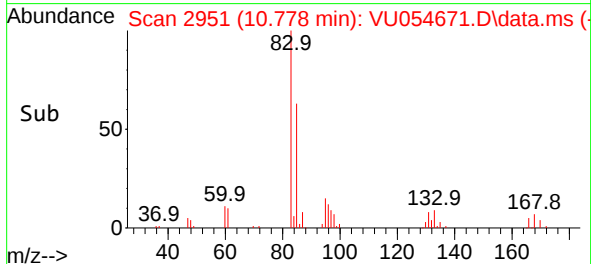
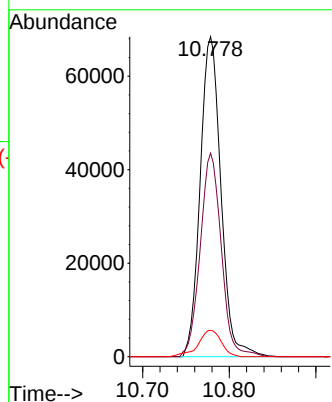
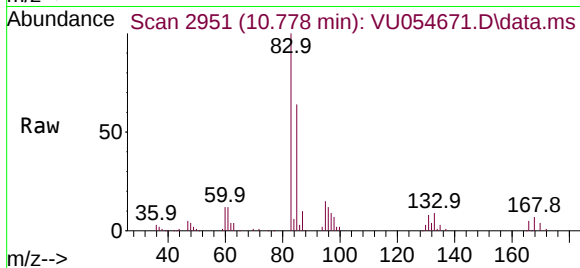
Tgt Ion: 83 Resp: 113954

Ion Ratio Lower Upper

83 100

85 63.6 44.2 82.2

131 8.3 7.0 10.6



#59

Bromoform

Concen: 5.297 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. -0.000 min

Lab File: VU054671.D

Acq: 23 Jun 2023 14:59

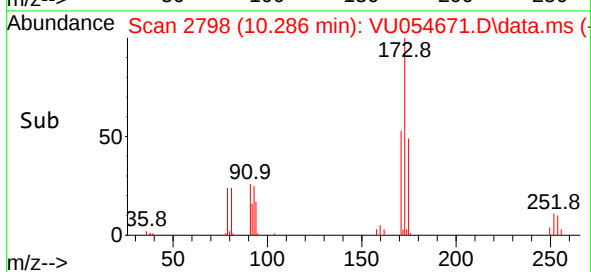
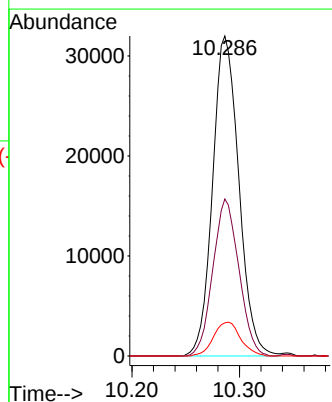
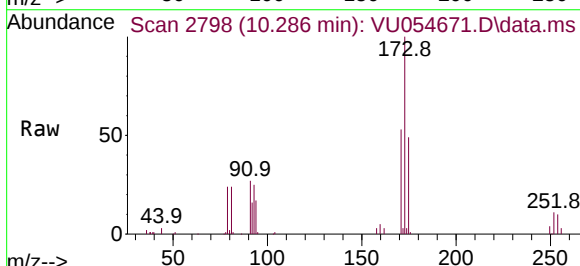
Tgt Ion:173 Resp: 54249

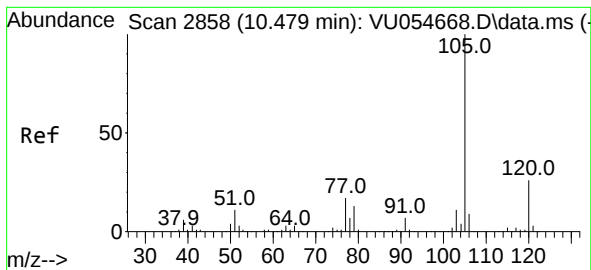
Ion Ratio Lower Upper

173 100

175 48.5 39.4 59.0

254 10.9 8.6 12.8





#60

Isopropylbenzene

Concen: 5.092 ug/L

RT: 10.483 min Scan# 2858

Delta R.T. 0.003 min

Lab File: VU054671.D

Acq: 23 Jun 2023 14:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD005198

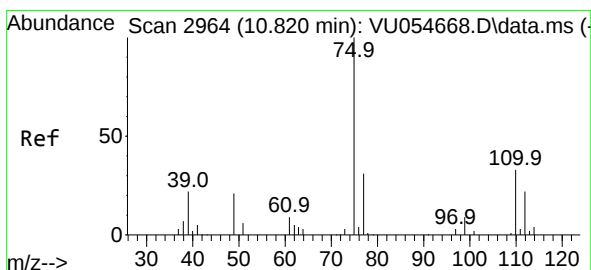
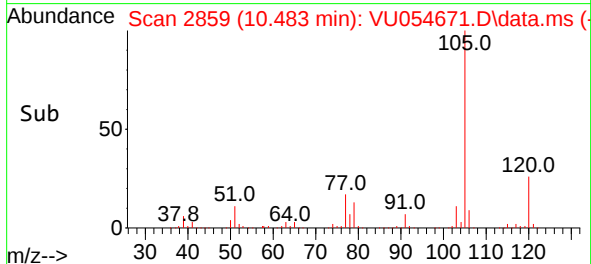
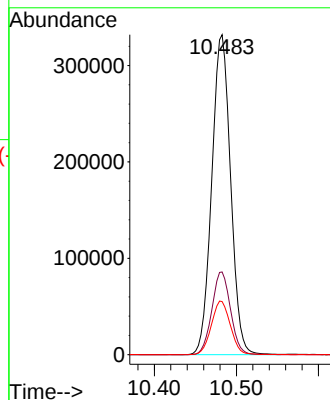
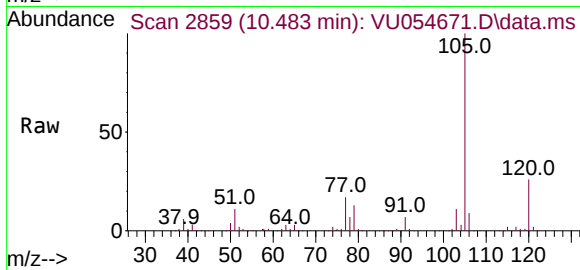
Tgt Ion:105 Resp: 531410

Ion Ratio Lower Upper

105 100

120 25.7 20.9 31.3

77 16.8 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 5.194 ug/L

RT: 10.820 min Scan# 2964

Delta R.T. -0.000 min

Lab File: VU054671.D

Acq: 23 Jun 2023 14:59

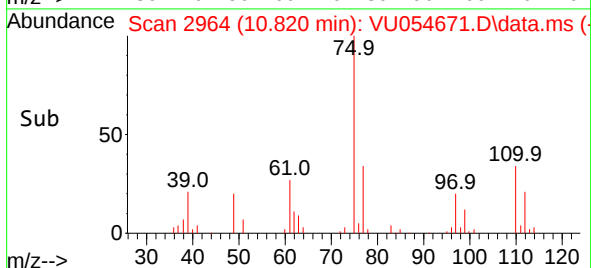
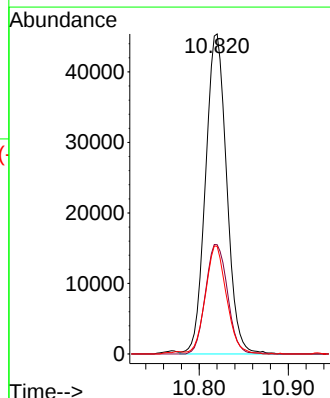
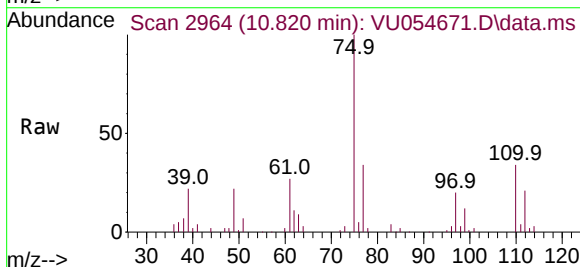
Tgt Ion: 75 Resp: 74886

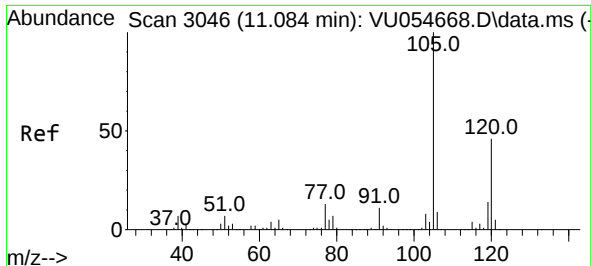
Ion Ratio Lower Upper

75 100

110 35.6 28.0 42.0

77 33.8 25.4 38.2

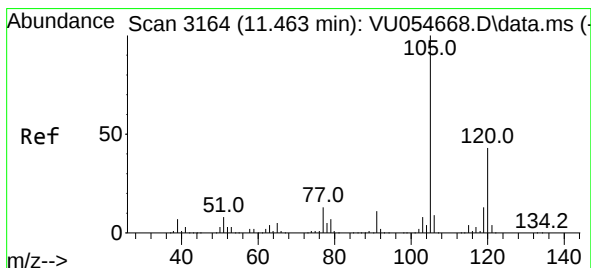
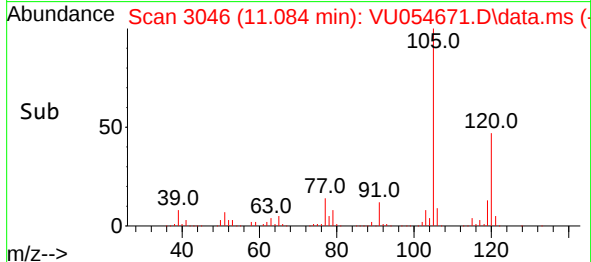
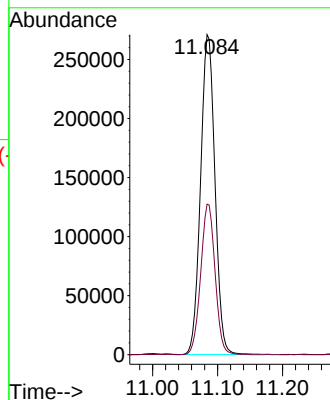
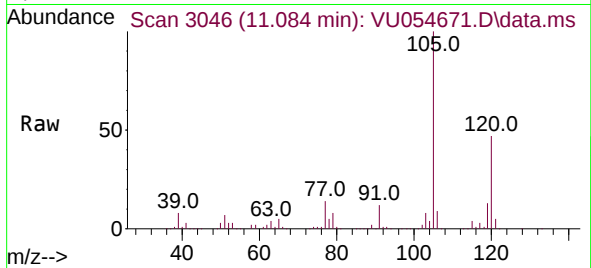




#62
1,3,5-Trimethylbenzene
Concen: 4.910 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. -0.000 min
Lab File: VU054671.D
Acq: 23 Jun 2023 14:59

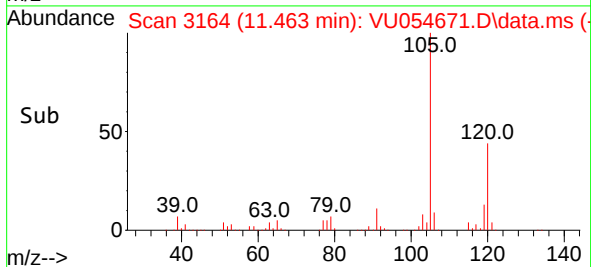
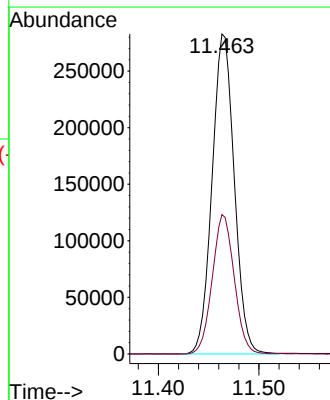
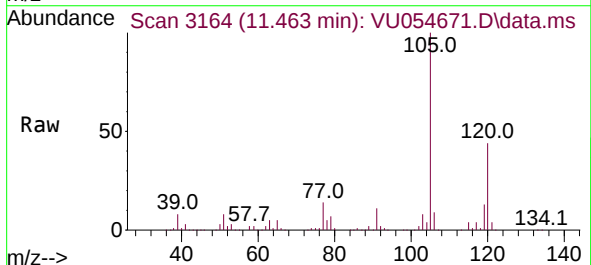
Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

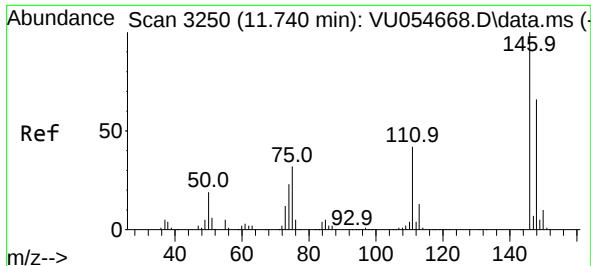
Tgt Ion:105 Resp: 418058
Ion Ratio Lower Upper
105 100
120 47.1 37.9 56.9



#63
1,2,4-Trimethylbenzene
Concen: 5.013 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VU054671.D
Acq: 23 Jun 2023 14:59

Tgt Ion:105 Resp: 433492
Ion Ratio Lower Upper
105 100
120 43.1 35.4 53.0

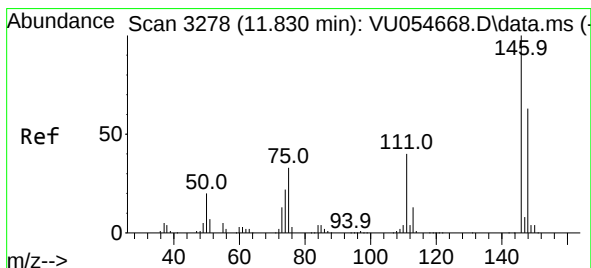
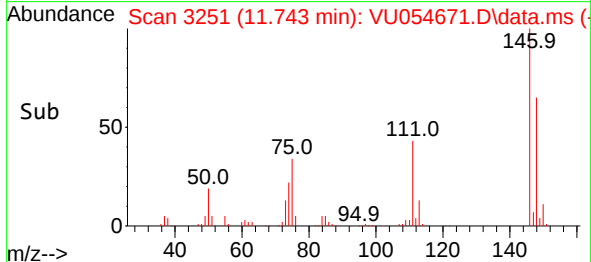
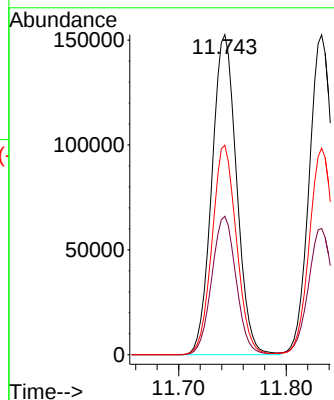
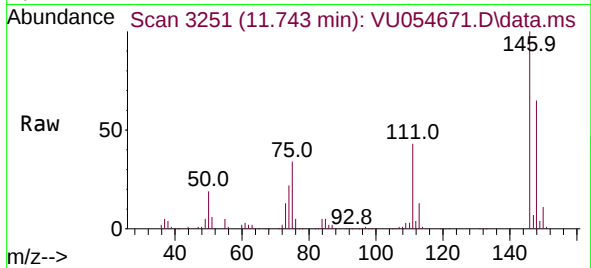




#64
1,3-Dichlorobenzene
Concen: 5.000 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU054671.D
Acq: 23 Jun 2023 14:59

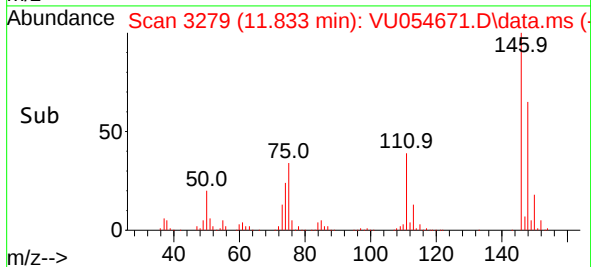
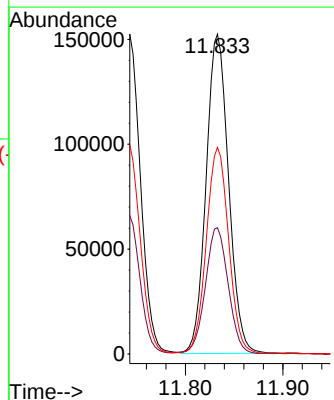
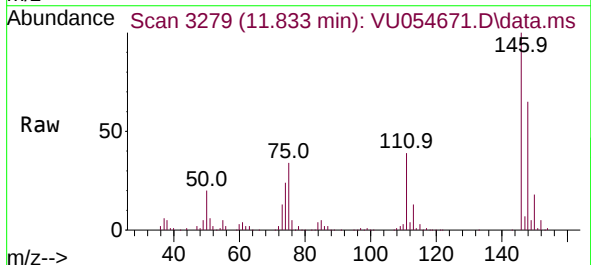
Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

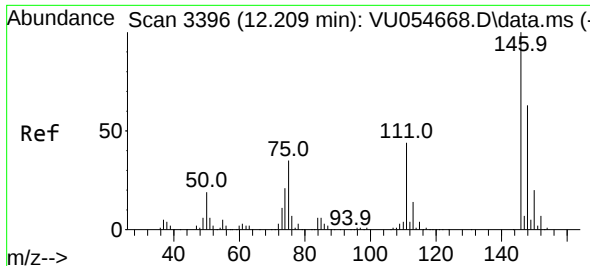
Tgt Ion:146 Resp: 243893
Ion Ratio Lower Upper
146 100
111 43.3 28.9 53.7
148 65.4 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 4.975 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU054671.D
Acq: 23 Jun 2023 14:59

Tgt Ion:146 Resp: 243535
Ion Ratio Lower Upper
146 100
111 39.5 28.0 52.0
148 64.6 44.7 83.1

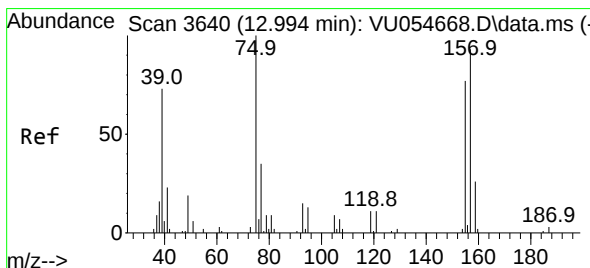
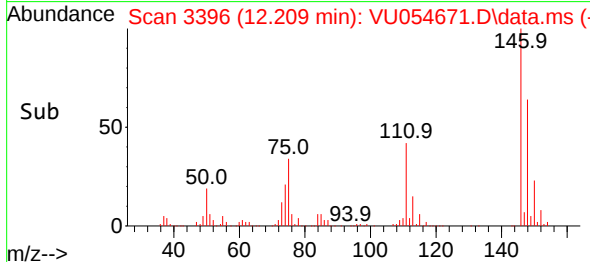
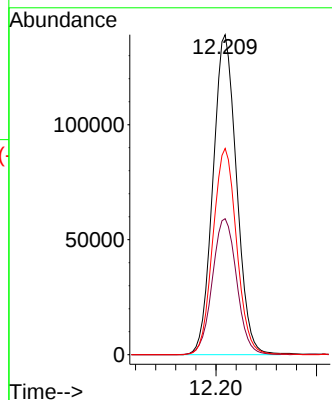
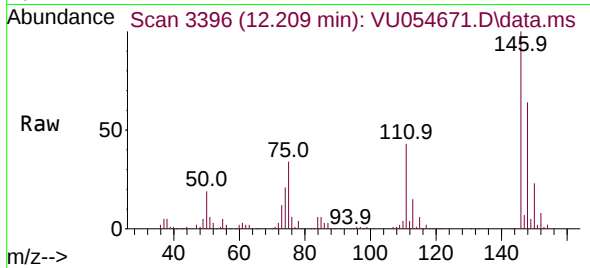




#67
1,2-Dichlorobenzene
Concen: 5.059 ug/L
RT: 12.209 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU054671.D
Acq: 23 Jun 2023 14:59

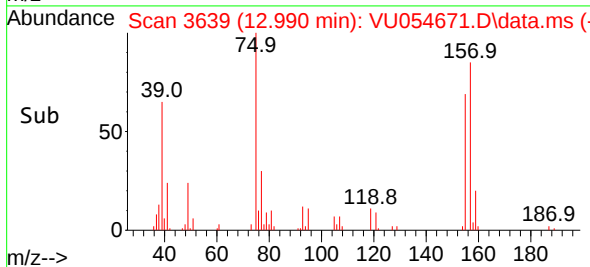
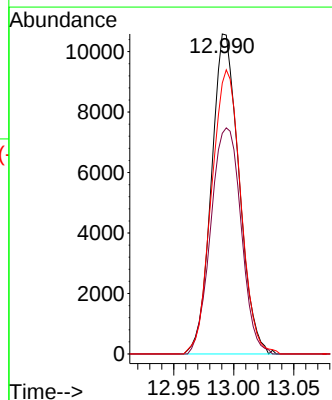
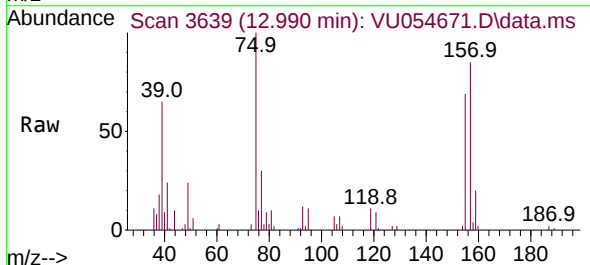
Instrument :
MSVOA_U
ClientSampleId :
VSTD005198

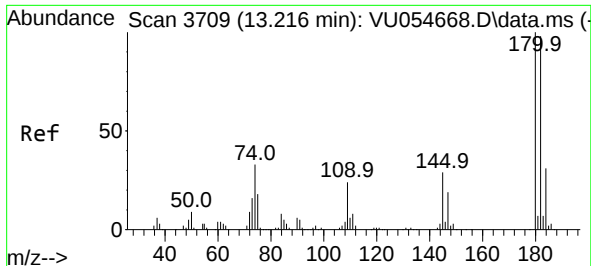
Tgt Ion:146 Resp: 226953
Ion Ratio Lower Upper
146 100
111 42.5 34.5 51.7
148 64.4 50.9 76.3



#68
1,2-Dibromo-3-chloropropane
Concen: 5.332 ug/L
RT: 12.990 min Scan# 3639
Delta R.T. -0.003 min
Lab File: VU054671.D
Acq: 23 Jun 2023 14:59

Tgt Ion: 75 Resp: 16892
Ion Ratio Lower Upper
75 100
155 69.0 65.7 98.5
157 84.7 84.2 126.2





#69

1,3,5-Trichlorobenzene

Concen: 4.921 ug/L

RT: 13.216 min Scan# 3709

Delta R.T. -0.000 min

Lab File: VU054671.D

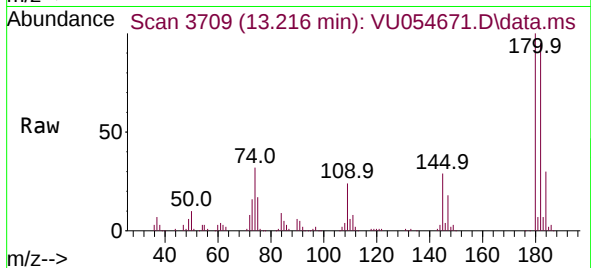
Acq: 23 Jun 2023 14:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD005198



Tgt Ion:180 Resp: 181125

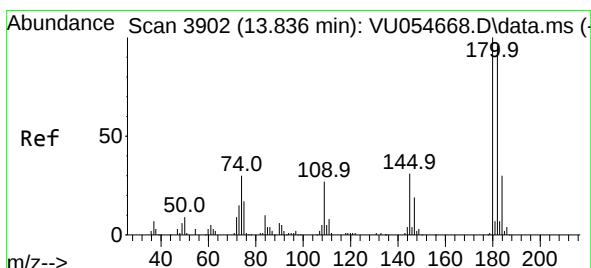
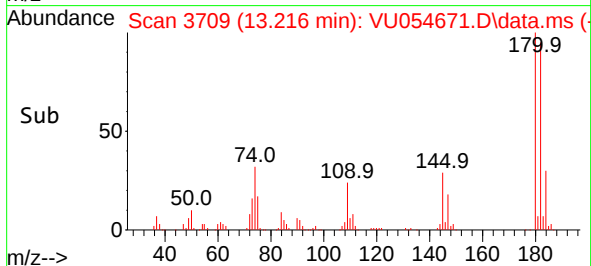
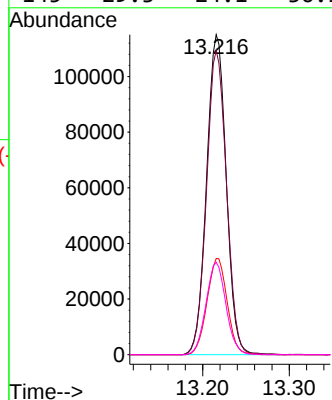
Ion Ratio Lower Upper

180 100

182 96.4 75.0 112.6

184 30.8 24.1 36.1

145 29.3 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 4.642 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU054671.D

Acq: 23 Jun 2023 14:59

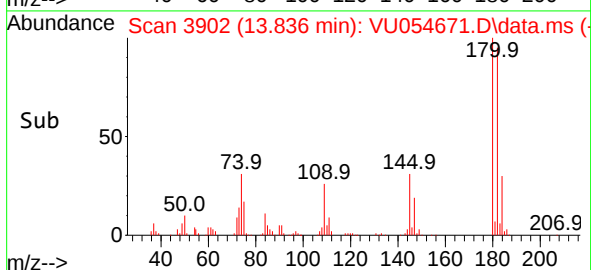
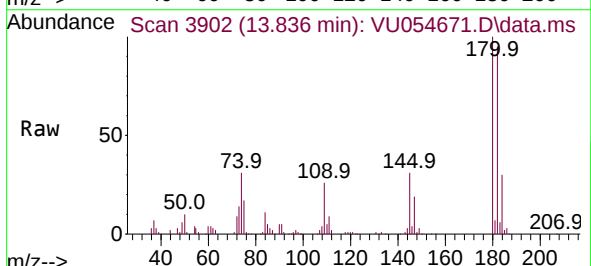
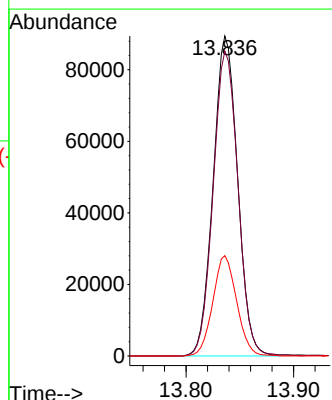
Tgt Ion:180 Resp: 141266

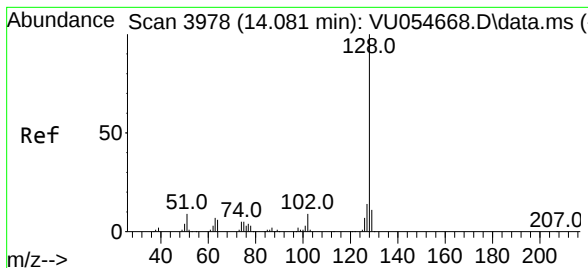
Ion Ratio Lower Upper

180 100

182 96.5 76.6 114.8

145 30.6 24.0 36.0





#71

Naphthalene

Concen: 4.234 ug/L

RT: 14.084 min Scan# 3978

Delta R.T. 0.003 min

Lab File: VU054671.D

Acq: 23 Jun 2023 14:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD005198

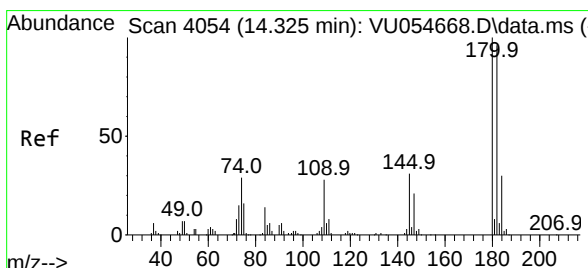
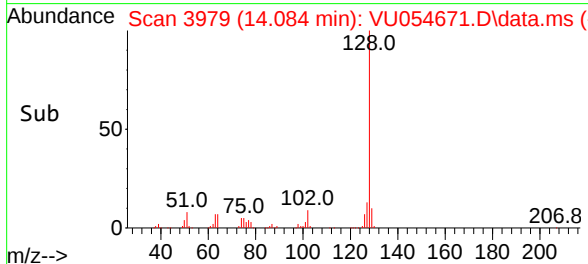
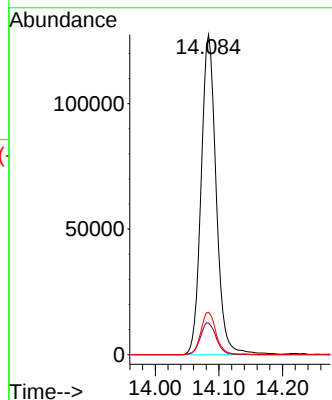
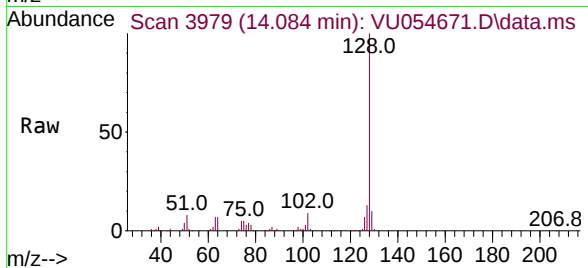
Tgt Ion:128 Resp: 209504

Ion Ratio Lower Upper

128 100

129 10.5 8.6 12.8

127 13.5 10.6 15.8



#72

1,2,3-Trichlorobenzene

Concen: 4.673 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.000 min

Lab File: VU054671.D

Acq: 23 Jun 2023 14:59

Tgt Ion:180 Resp: 122186

Ion Ratio Lower Upper

180 100

182 96.1 75.4 113.2

145 32.2 26.0 39.0

