

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U062323\
 Data File : VU054668.D
 Acq On : 23 Jun 2023 09:09
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005197

Quant Time: Jun 23 23:51:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jun 23 04:31:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	309843	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	289429	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	146179	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	102590	5.203	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.000%
7) Chloroethane-d5	1.914	69	83663	4.532	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.600%
11) 1,1-Dichloroethene-d2	2.563	65	39728	4.511	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.200%
20) 2-Butanone-d5	4.628	46	250321	45.151	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.300%
24) Chloroform-d	5.058	84	174681	4.238	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.800%
26) 1,2-Dichloroethane-d4	5.698	65	84202	4.191	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.800%
32) Benzene-d6	5.724	84	335188	4.166	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.400%
36) 1,2-Dichloropropane-d6	6.685	67	111687	4.157	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.200%
41) Toluene-d8	7.894	98	298274	4.177	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.600%
43) trans-1,3-Dichloroprop...	8.177	79	38765	4.149	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.000%
46) 2-Hexanone-d5	8.631	63	166799	42.551	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.100%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	84105	4.198	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	101199	4.104	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	109928	3.797	ug/L	98
3) Chloromethane	1.522	50	136181	4.095	ug/L	98
5) Vinyl chloride	1.605	62	145219	4.254	ug/L	98
6) Bromomethane	1.859	94	75699	4.033	ug/L	100
8) Chloroethane	1.933	64	92605	4.526	ug/L	100
9) Trichlorofluoromethane	2.136	101	186446	4.443	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	110650	4.507	ug/L	99
12) 1,1-Dichloroethene	2.579	96	99145	4.412	ug/L	93
13) Acetone	2.640	43	193276	36.974	ug/L	100
14) Carbon disulfide	2.792	76	245216	3.680	ug/L	100
15) Methyl Acetate	2.952	43	48823	5.040	ug/L	100
16) Methylene chloride	3.042	84	128526	4.067	ug/L	93
17) Methyl tert-butyl Ether	3.361	73	259591	4.680	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	100267	4.321	ug/L	100
19) 1,1-Dichloroethane	3.866	63	239130	4.980	ug/L	100
21) 2-Butanone	4.705	43	326335	48.103	ug/L	97
22) cis-1,2-Dichloroethene	4.663	96	119548	4.524	ug/L	94
23) Bromochloromethane	4.968	128	50071	4.554	ug/L	93
25) Chloroform	5.084	83	230583	4.871	ug/L	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062323\
 Data File : VU054668.D
 Acq On : 23 Jun 2023 09:09
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

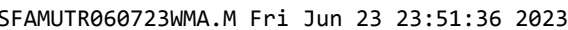
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005197

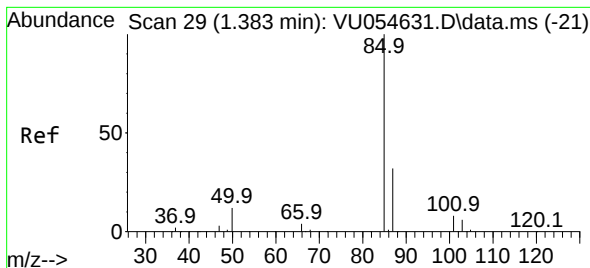
Quant Time: Jun 23 23:51:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jun 23 04:31:37 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	136328	4.913	ug/L	97
29) 1,1,1-Trichloroethane	5.312	97	190557	4.855	ug/L	98
30) Cyclohexane	5.386	56	175236	4.099	ug/L	97
31) Carbon tetrachloride	5.521	117	157432	4.655	ug/L	100
33) Benzene	5.769	78	485357	4.666	ug/L	100
34) Trichloroethene	6.537	95	121600	4.421	ug/L	97
35) Methylcyclohexane	6.759	83	163231	3.926	ug/L	98
37) 1,2-Dichloropropane	6.785	63	141138	5.018	ug/L	99
38) Bromodichloromethane	7.100	83	162253	5.097	ug/L	100
39) cis-1,3-Dichloropropene	7.605	75	173773	4.526	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	797816	53.156	ug/L	97
42) Toluene	7.965	91	505528	4.719	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	144364	4.633	ug/L	100
45) 1,1,2-Trichloroethane	8.396	97	90608	5.064	ug/L	98
47) Tetrachloroethene	8.550	164	85282	4.050	ug/L	97
48) 2-Hexanone	8.679	43	567213	50.720	ug/L	97
49) Dibromochloromethane	8.804	129	95096	5.062	ug/L	96
50) 1,2-Dibromoethane	8.920	107	79069	4.814	ug/L #	100
51) Chlorobenzene	9.444	112	308768	4.624	ug/L	98
52) Ethylbenzene	9.566	91	533521	4.560	ug/L	99
53) m,p-Xylene	9.692	106	195497	4.549	ug/L	98
54) o-Xylene	10.097	106	193615	4.659	ug/L	95
55) Styrene	10.110	104	333190	4.776	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	117205	5.157	ug/L	100
59) Bromoform	10.286	173	55939	5.330	ug/L	100
60) Isopropylbenzene	10.479	105	525625	4.915	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	77360	5.237	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	410309	4.703	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	416268	4.698	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	242849	4.858	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	240414	4.792	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	226533	4.928	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	17811	5.486	ug/L	91
69) 1,3,5-Trichlorobenzene	13.216	180	174025	4.614	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	138201	4.431	ug/L	100
71) Naphthalene	14.081	128	205891	4.060	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	119873	4.474	ug/L	98

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

Quant Time: Jun 23 23:51:26 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jun 23 04:31:37 2023
Response via : Initial Calibration

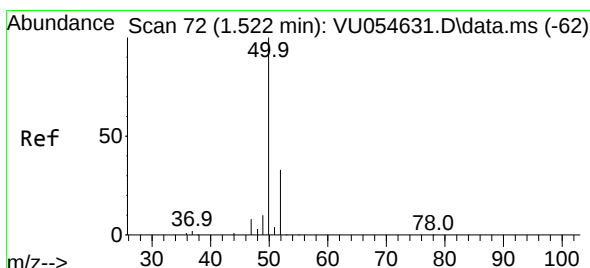
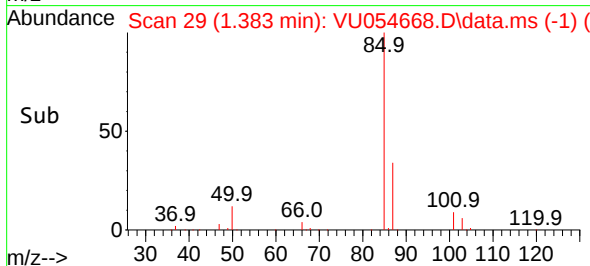
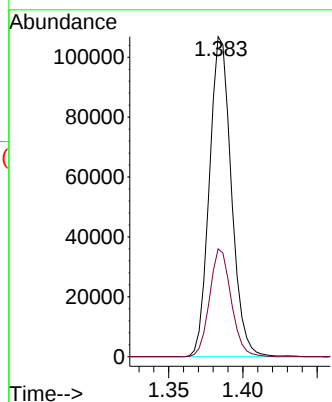
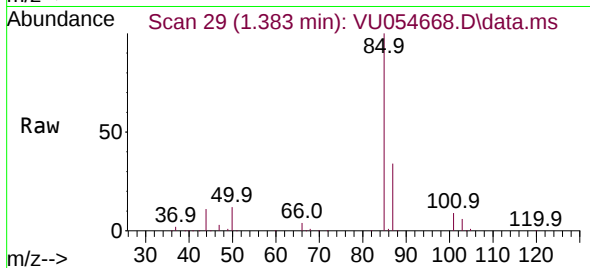




#2
 Dichlorodifluoromethane
 Concen: 3.797 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU054668.D
 Acq: 23 Jun 2023 09:09

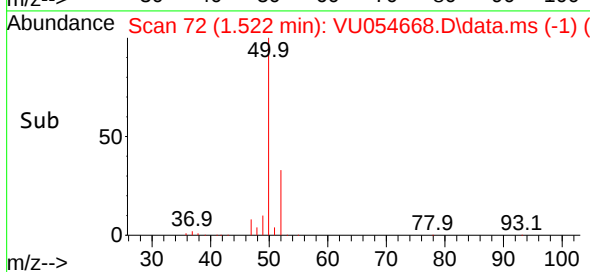
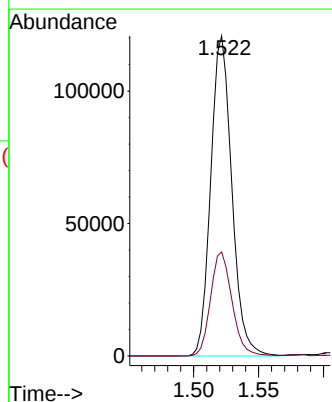
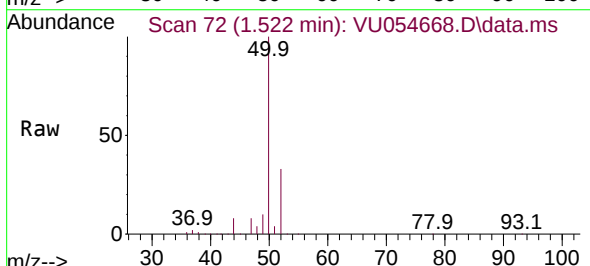
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005197

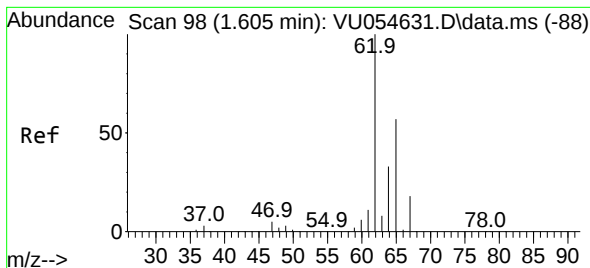
Tgt Ion: 85 Resp: 109928
 Ion Ratio Lower Upper
 85 100
 87 33.1 25.4 38.2



#3
 Chloromethane
 Concen: 4.095 ug/L
 RT: 1.522 min Scan# 72
 Delta R.T. 0.000 min
 Lab File: VU054668.D
 Acq: 23 Jun 2023 09:09

Tgt Ion: 50 Resp: 136181
 Ion Ratio Lower Upper
 50 100
 52 32.5 23.4 43.4





#5

Vinyl chloride

Concen: 4.254 ug/L

RT: 1.605 min Scan# 98

Delta R.T. 0.000 min

Lab File: VU054668.D

Acq: 23 Jun 2023 09:09

Instrument :

MSVOA_U

ClientSampleId :

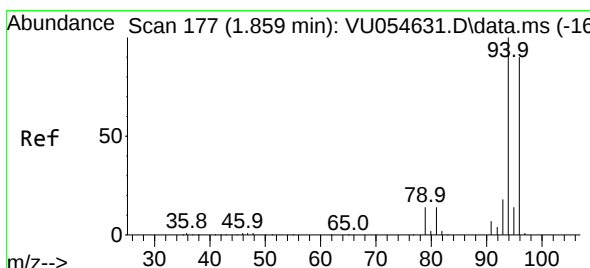
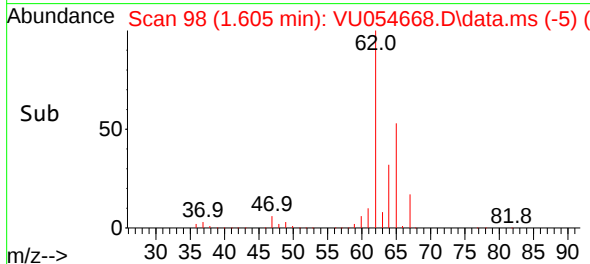
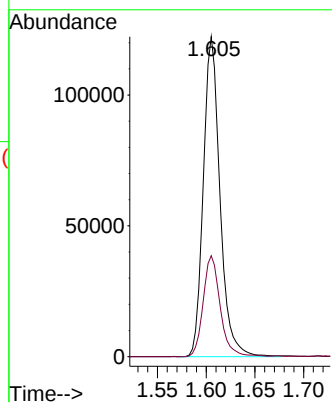
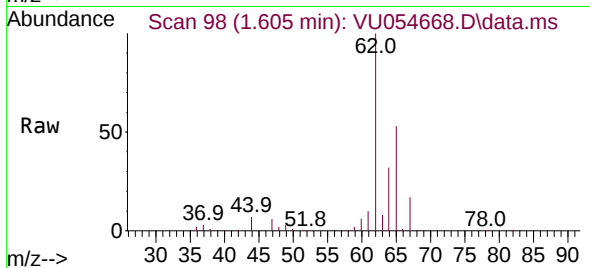
VSTD005197

Tgt Ion: 62 Resp: 145219

Ion Ratio Lower Upper

62 100

64 31.5 23.0 42.6



#6

Bromomethane

Concen: 4.033 ug/L

RT: 1.859 min Scan# 177

Delta R.T. 0.000 min

Lab File: VU054668.D

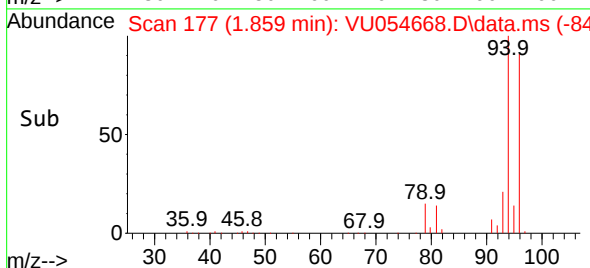
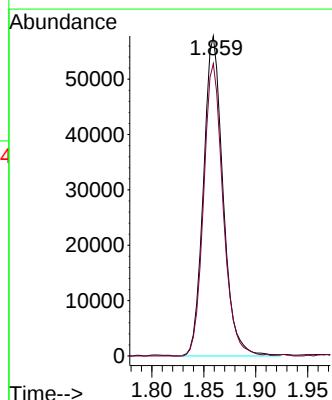
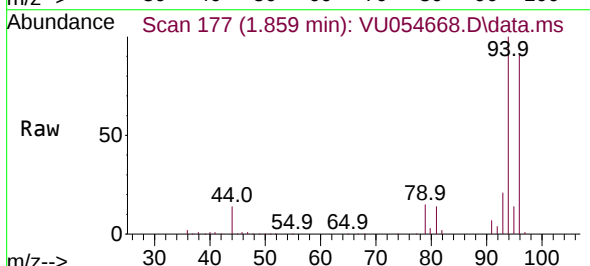
Acq: 23 Jun 2023 09:09

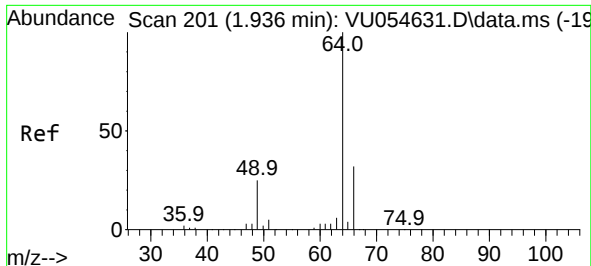
Tgt Ion: 94 Resp: 75699

Ion Ratio Lower Upper

94 100

96 91.3 63.6 118.2

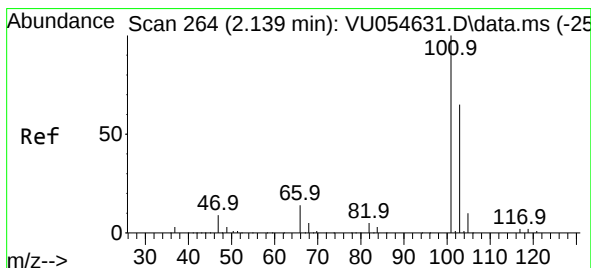
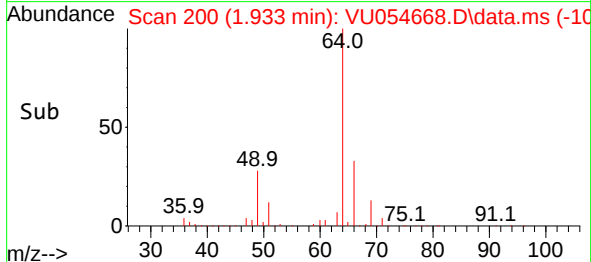
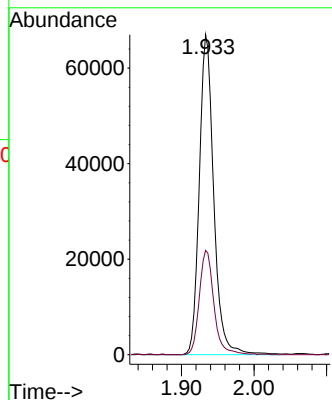
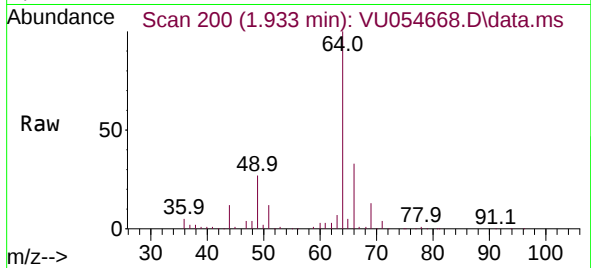




#8
Chloroethane
Concen: 4.526 ug/L
RT: 1.933 min Scan# 20
Delta R.T. 0.000 min
Lab File: VU054668.D
Acq: 23 Jun 2023 09:09

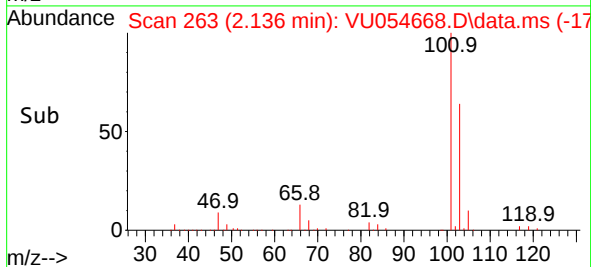
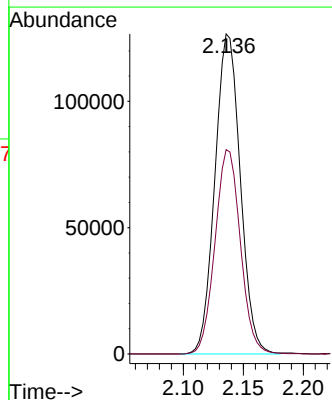
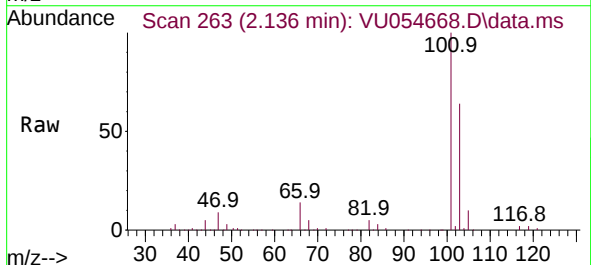
Instrument :
MSVOA_U
ClientSampleId :
VSTD005197

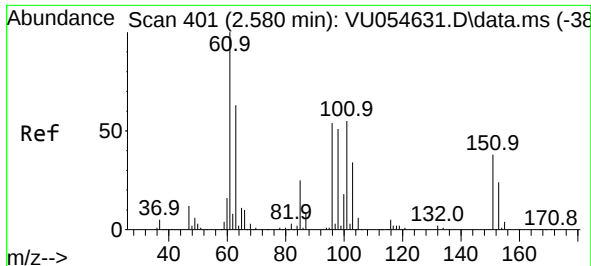
Tgt Ion: 64 Resp: 92605
Ion Ratio Lower Upper
64 100
66 32.6 22.9 42.5



#9
Trichlorofluoromethane
Concen: 4.443 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU054668.D
Acq: 23 Jun 2023 09:09

Tgt Ion:101 Resp: 186446
Ion Ratio Lower Upper
101 100
103 63.8 50.6 75.8

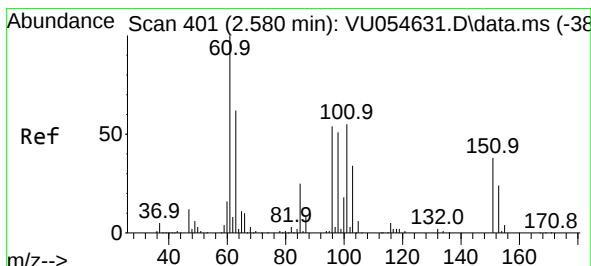
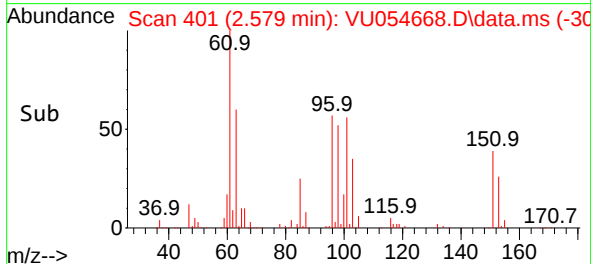
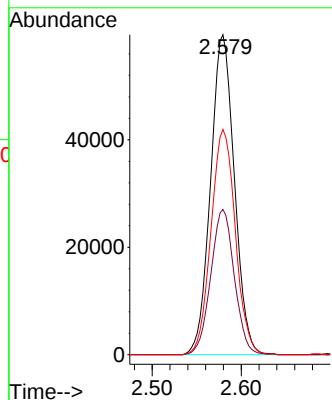
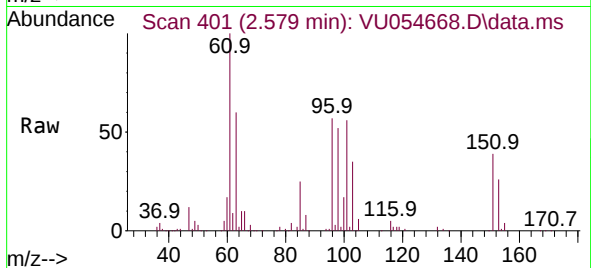




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.507 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VU054668.D
 Acq: 23 Jun 2023 09:09

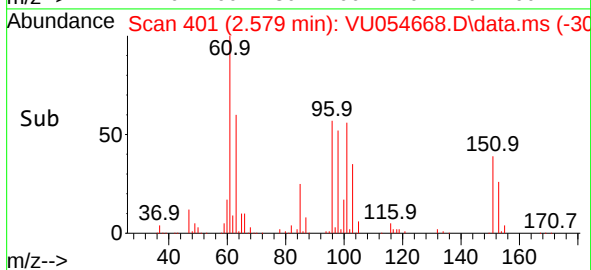
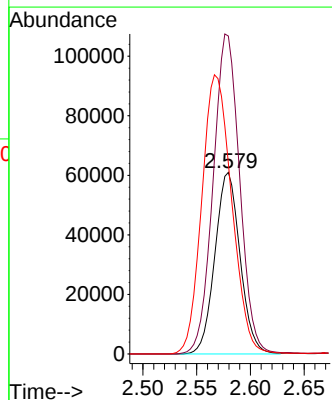
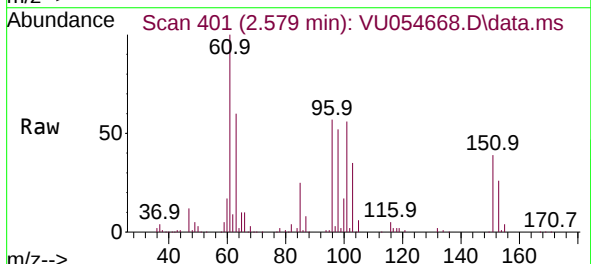
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005197

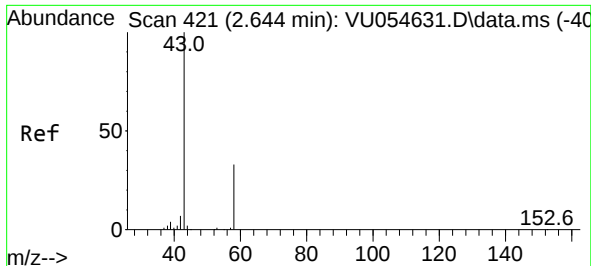
Tgt Ion:101 Resp: 110650
 Ion Ratio Lower Upper
 101 100
 85 45.0 34.6 51.8
 151 72.1 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 4.412 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VU054668.D
 Acq: 23 Jun 2023 09:09

Tgt Ion: 96 Resp: 99145
 Ion Ratio Lower Upper
 96 100
 61 175.2 119.9 222.7
 63 105.1 64.3 119.3





#13

Acetone

Concen: 36.974 ug/L

RT: 2.640 min Scan# 41

Delta R.T. 0.000 min

Lab File: VU054668.D

Acq: 23 Jun 2023 09:09

Instrument :

MSVOA_U

ClientSampleId :

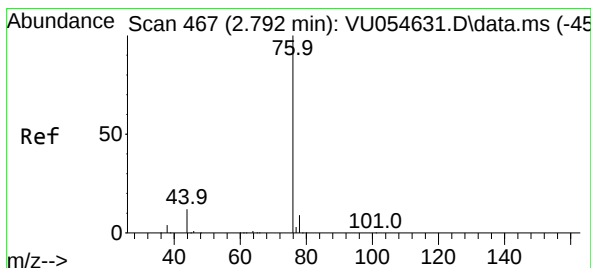
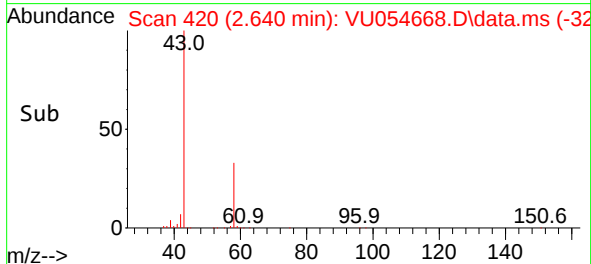
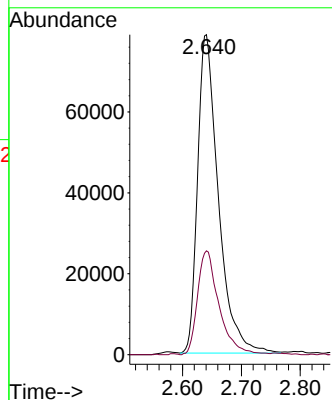
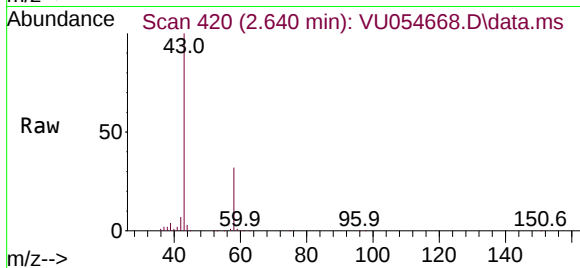
VSTD005197

Tgt Ion: 43 Resp: 193276

Ion Ratio Lower Upper

43 100

58 33.7 0.0 67.2



#14

Carbon disulfide

Concen: 3.680 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.000 min

Lab File: VU054668.D

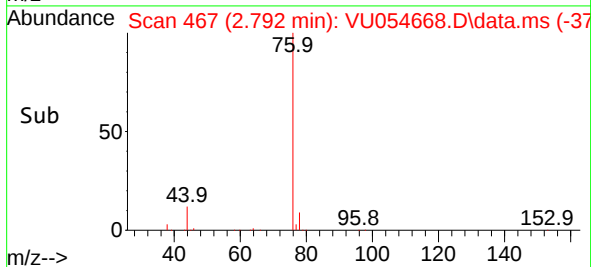
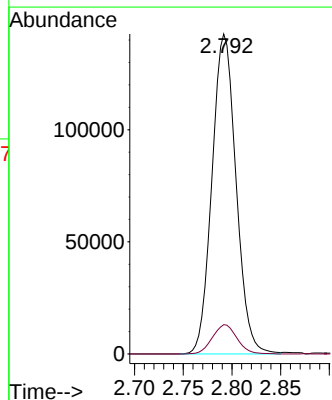
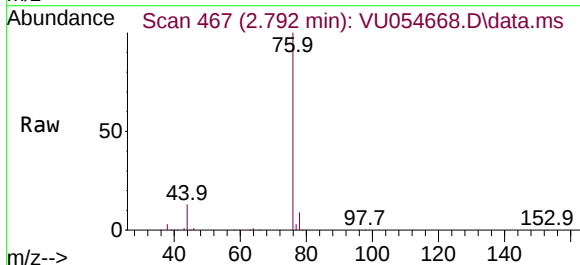
Acq: 23 Jun 2023 09:09

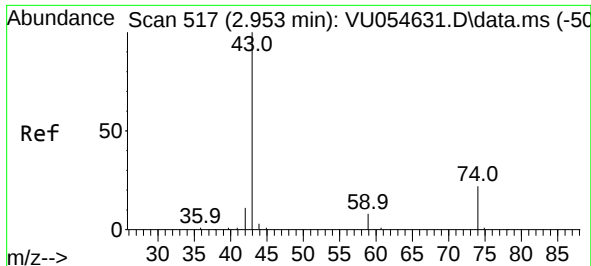
Tgt Ion: 76 Resp: 245216

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

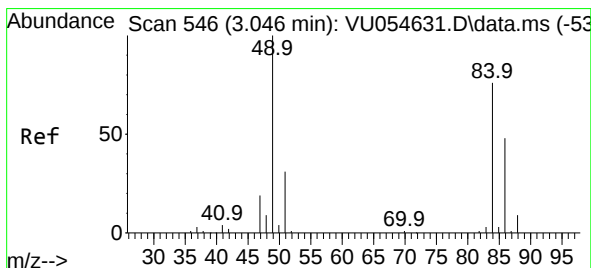
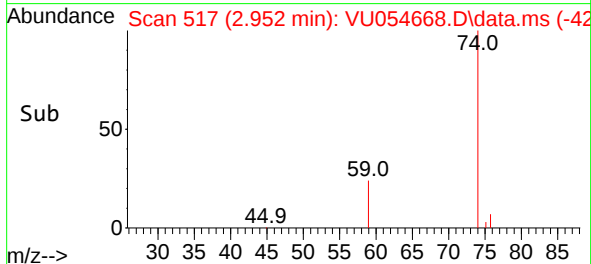
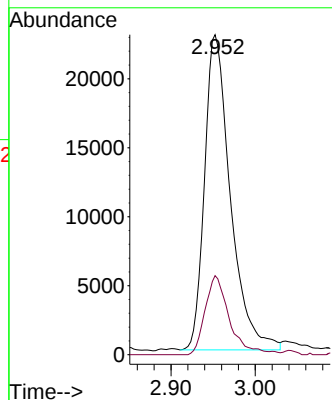
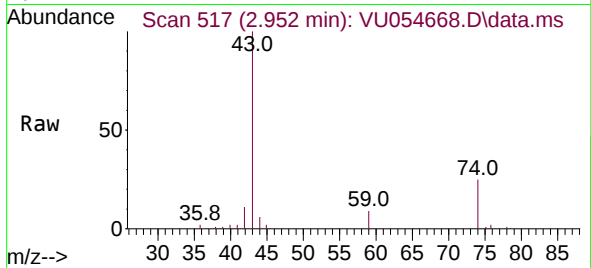




#15
Methyl Acetate
Concen: 5.040 ug/L
RT: 2.952 min Scan# 517
Delta R.T. 0.000 min
Lab File: VU054668.D
Acq: 23 Jun 2023 09:09

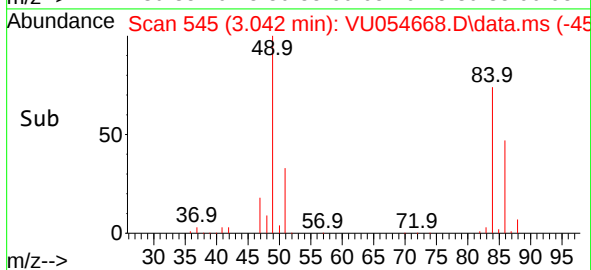
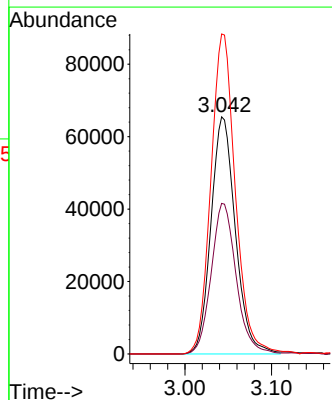
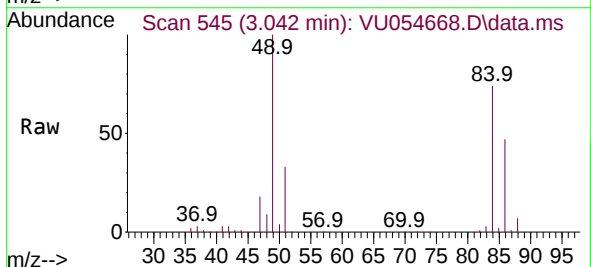
Instrument :
MSVOA_U
ClientSampleId :
VSTD005197

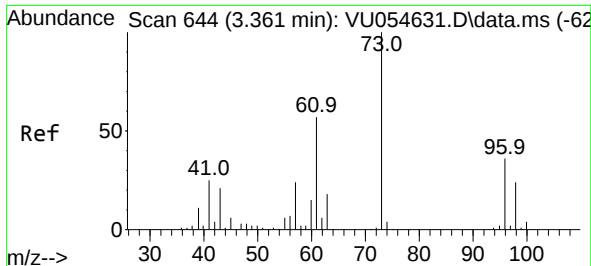
Tgt Ion: 43 Resp: 48823
Ion Ratio Lower Upper
43 100
74 23.6 19.0 28.6



#16
Methylene chloride
Concen: 4.067 ug/L
RT: 3.042 min Scan# 545
Delta R.T. -0.003 min
Lab File: VU054668.D
Acq: 23 Jun 2023 09:09

Tgt Ion: 84 Resp: 128526
Ion Ratio Lower Upper
84 100
86 63.5 43.9 81.5
49 135.0 86.1 159.9

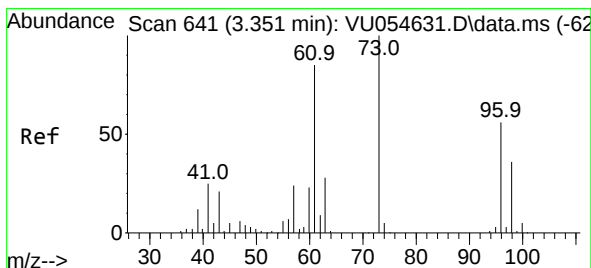
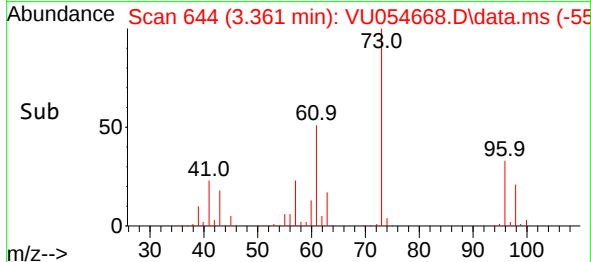
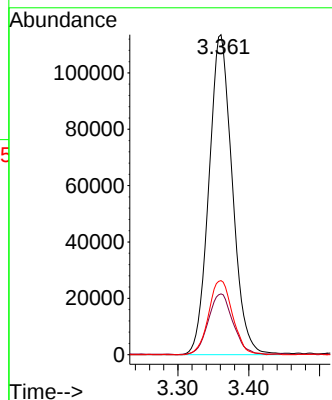
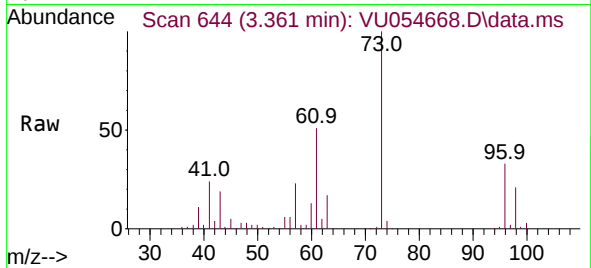




#17
Methyl tert-butyl Ether
Concen: 4.680 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU054668.D
Acq: 23 Jun 2023 09:09

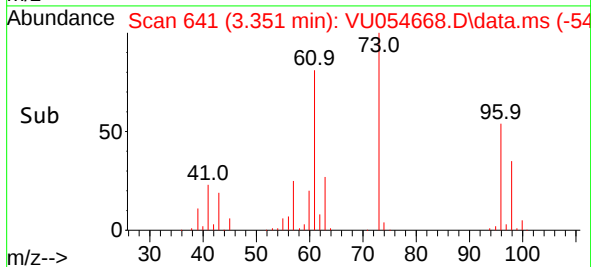
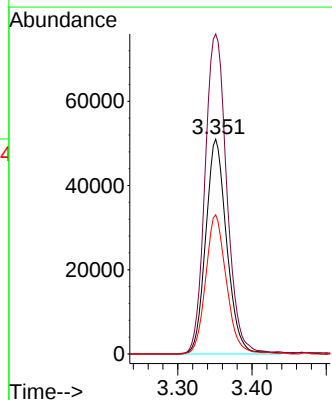
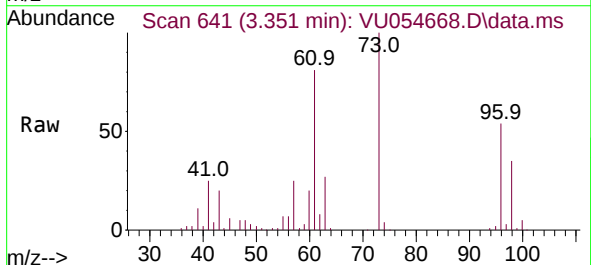
Instrument :
MSVOA_U
ClientSampleId :
VSTD005197

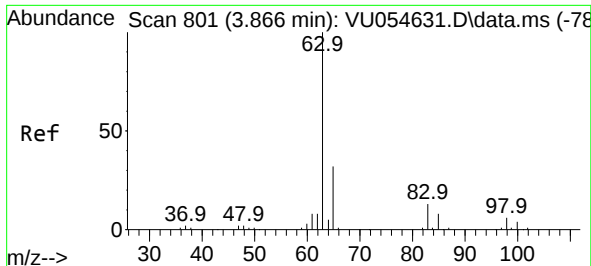
Tgt Ion: 73 Resp: 259591
Ion Ratio Lower Upper
73 100
43 20.3 15.7 23.5
57 23.9 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 4.321 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU054668.D
Acq: 23 Jun 2023 09:09

Tgt Ion: 96 Resp: 100267
Ion Ratio Lower Upper
96 100
61 149.0 104.6 194.2
98 64.8 45.4 84.4





#19

1,1-Dichloroethane

Concen: 4.980 ug/L

RT: 3.866 min Scan# 801

Delta R.T. 0.000 min

Lab File: VU054668.D

Acq: 23 Jun 2023 09:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD005197

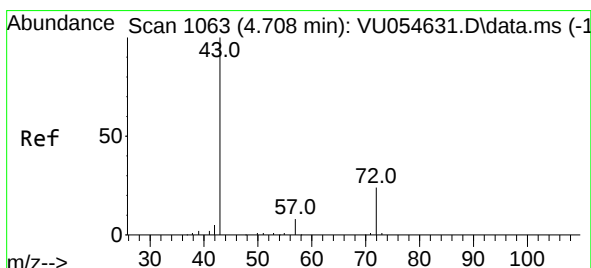
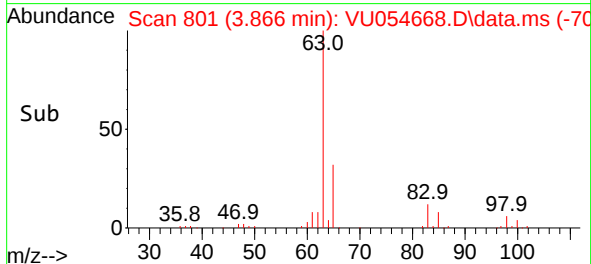
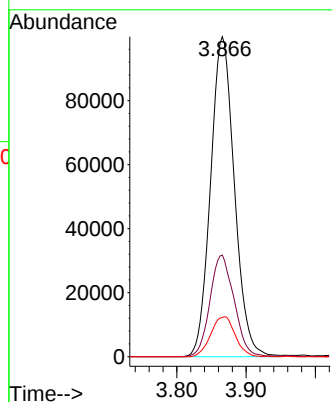
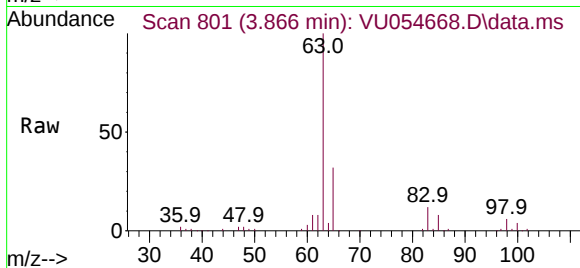
Tgt Ion: 63 Resp: 239130

Ion Ratio Lower Upper

63 100

65 31.7 22.2 41.2

83 12.3 9.0 16.6



#21

2-Butanone

Concen: 48.103 ug/L

RT: 4.705 min Scan# 1062

Delta R.T. -0.003 min

Lab File: VU054668.D

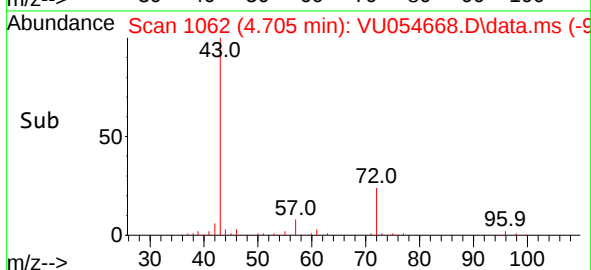
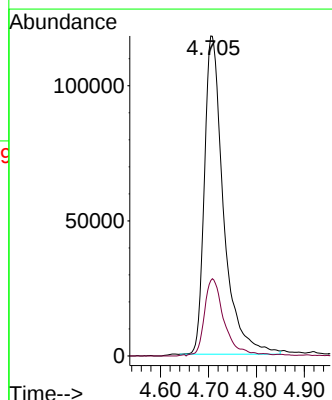
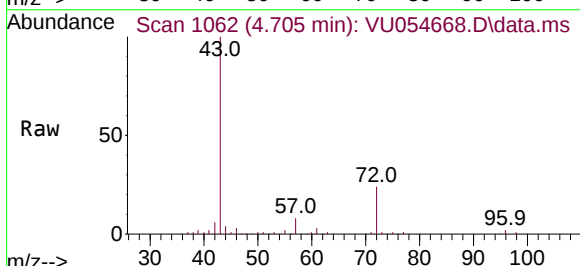
Acq: 23 Jun 2023 09:09

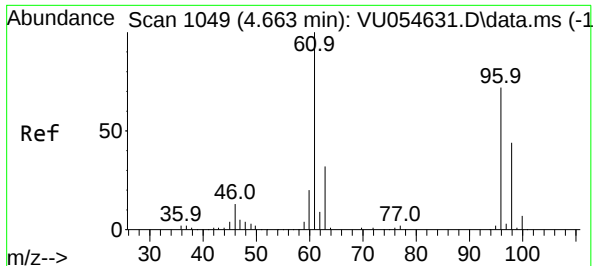
Tgt Ion: 43 Resp: 326335

Ion Ratio Lower Upper

43 100

72 24.9 13.4 40.1

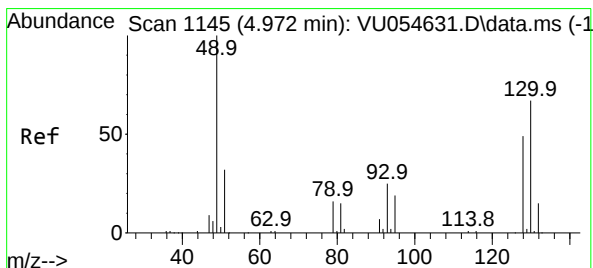
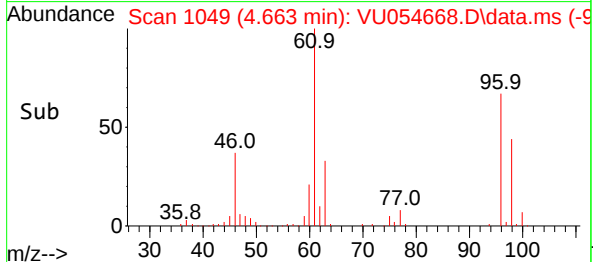
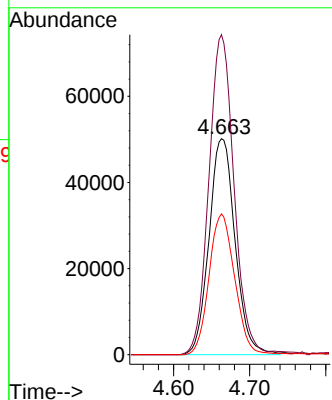
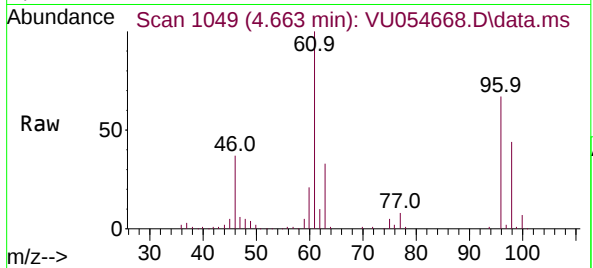




#22
 cis-1,2-Dichloroethene
 Concen: 4.524 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.000 min
 Lab File: VU054668.D
 Acq: 23 Jun 2023 09:09

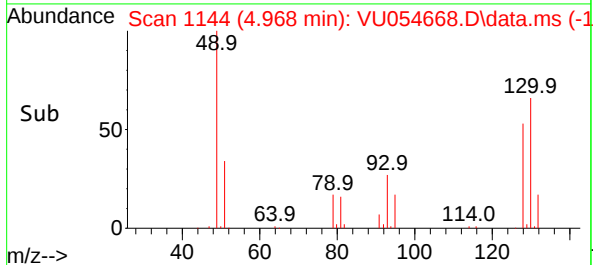
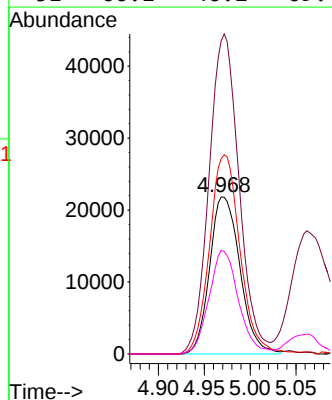
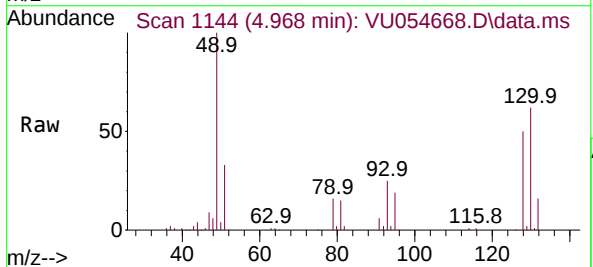
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005197

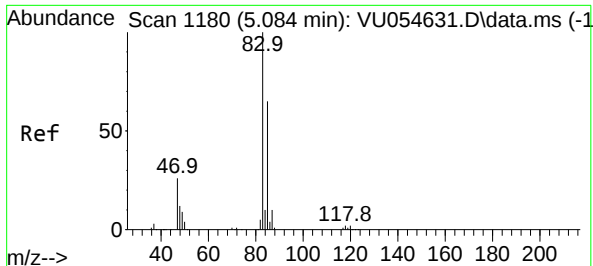
Tgt Ion: 96 Resp: 119548
 Ion Ratio Lower Upper
 96 100
 61 148.1 96.5 179.1
 98 65.2 44.9 83.3



#23
 Bromochloromethane
 Concen: 4.554 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. -0.003 min
 Lab File: VU054668.D
 Acq: 23 Jun 2023 09:09

Tgt Ion: 128 Resp: 50071
 Ion Ratio Lower Upper
 128 100
 49 199.5 132.1 245.3
 130 124.4 91.5 169.9
 51 66.1 46.2 69.4





#25

Chloroform

Concen: 4.871 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VU054668.D

Acq: 23 Jun 2023 09:09

Instrument :

MSVOA_U

ClientSampleId :

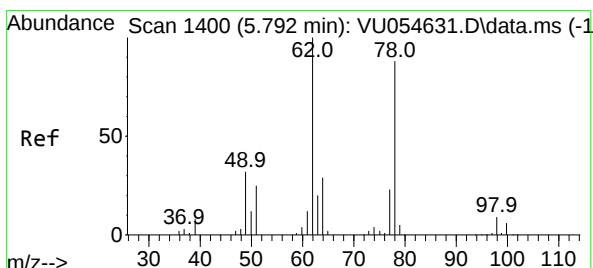
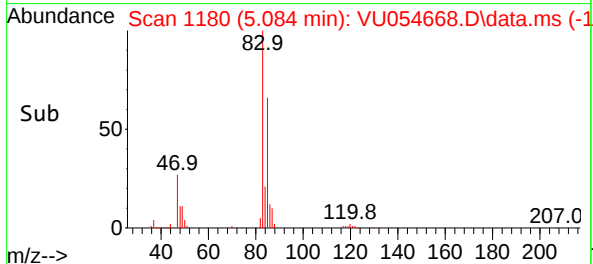
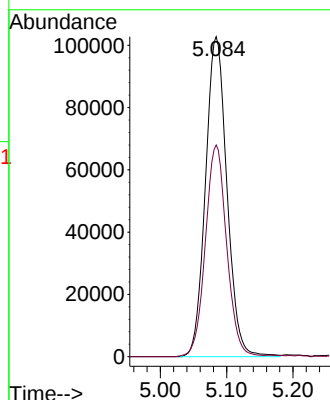
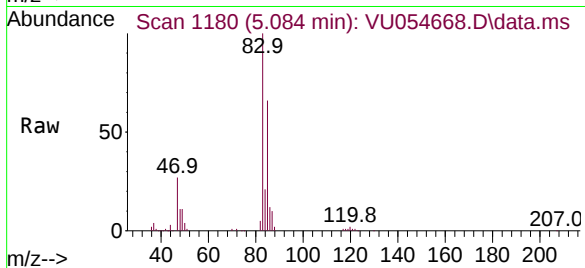
VSTD005197

Tgt Ion: 83 Resp: 230583

Ion Ratio Lower Upper

83 100

85 66.2 44.7 82.9



#27

1,2-Dichloroethane

Concen: 4.913 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.003 min

Lab File: VU054668.D

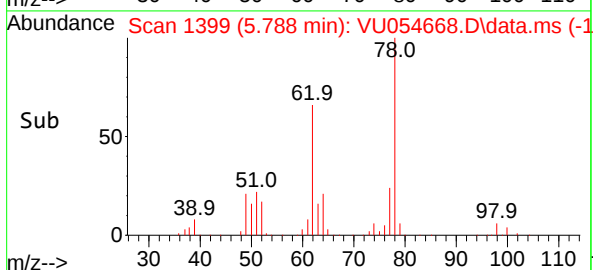
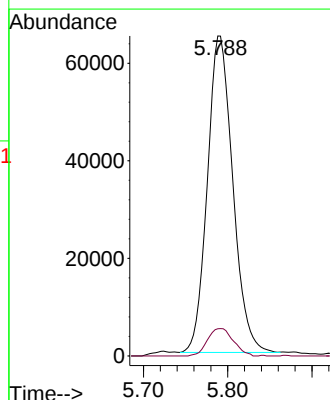
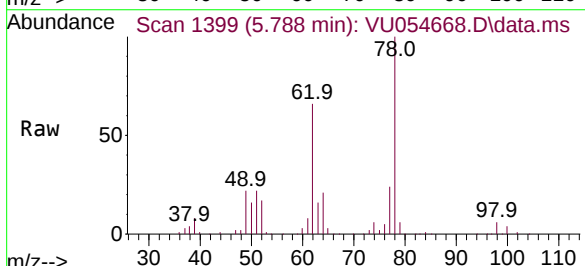
Acq: 23 Jun 2023 09:09

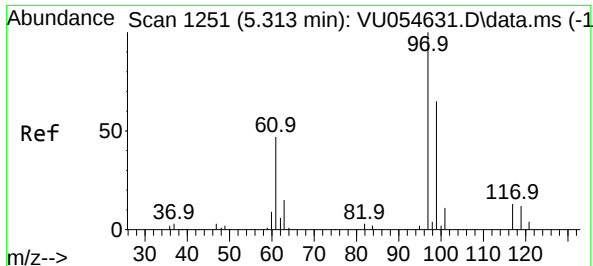
Tgt Ion: 62 Resp: 136328

Ion Ratio Lower Upper

62 100

98 8.5 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 4.855 ug/L

RT: 5.312 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054668.D

Acq: 23 Jun 2023 09:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD005197

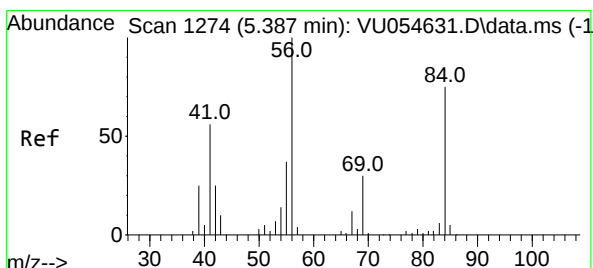
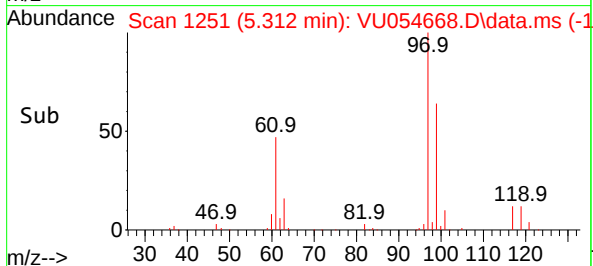
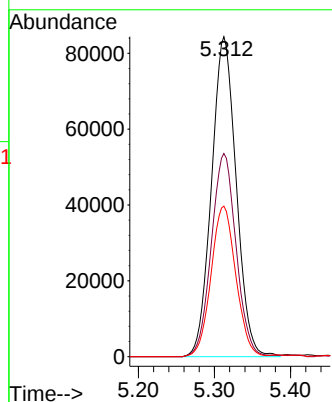
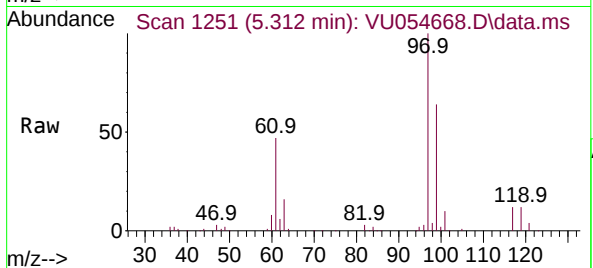
Tgt Ion: 97 Resp: 190557

Ion Ratio Lower Upper

97 100

99 63.8 50.8 76.2

61 47.2 36.1 54.1



#30

Cyclohexane

Concen: 4.099 ug/L

RT: 5.386 min Scan# 1274

Delta R.T. 0.000 min

Lab File: VU054668.D

Acq: 23 Jun 2023 09:09

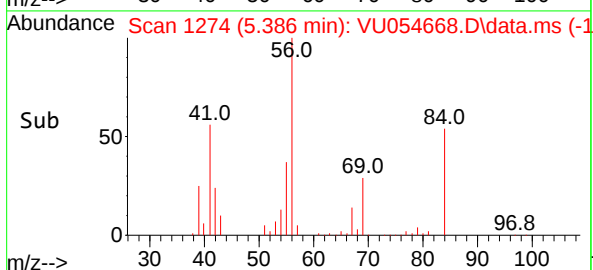
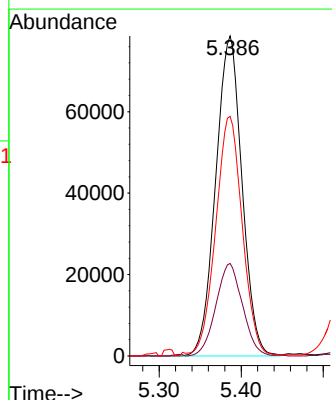
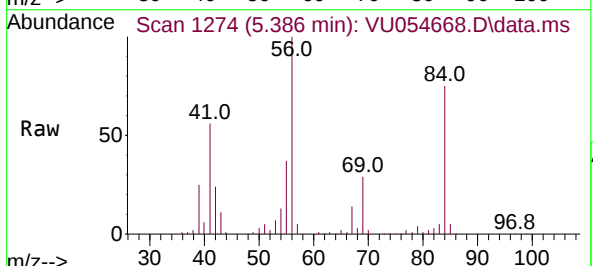
Tgt Ion: 56 Resp: 175236

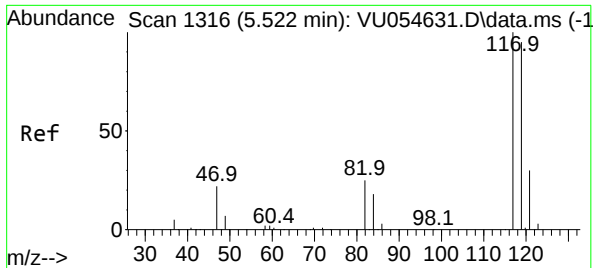
Ion Ratio Lower Upper

56 100

69 29.2 23.9 35.9

84 75.3 63.0 94.6

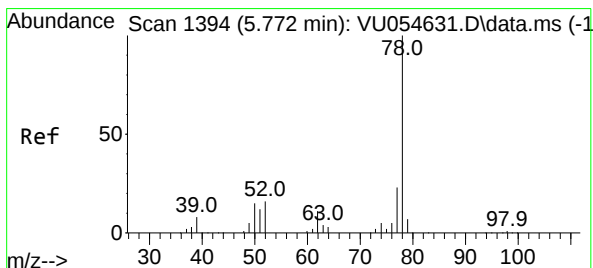
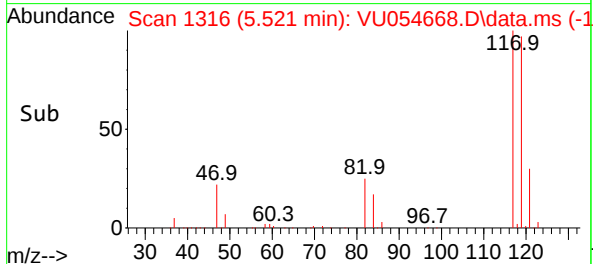
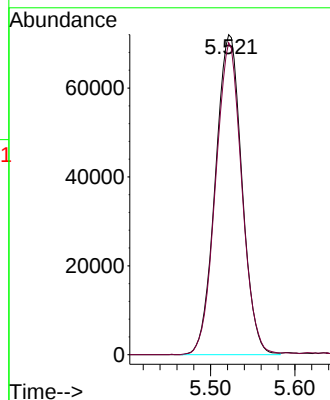
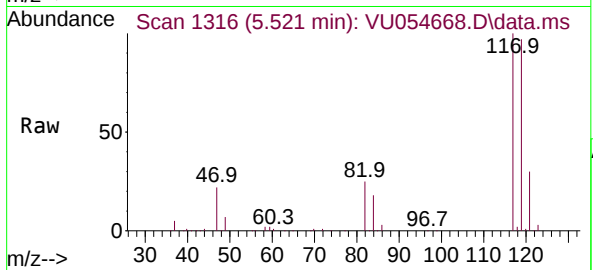




#31
Carbon tetrachloride
Concen: 4.655 ug/L
RT: 5.521 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU054668.D
Acq: 23 Jun 2023 09:09

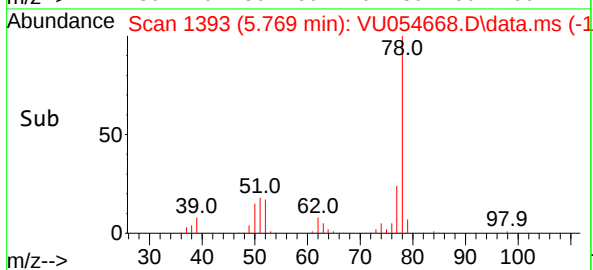
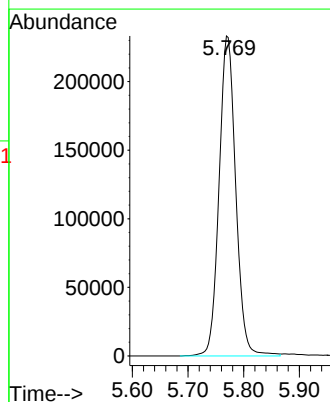
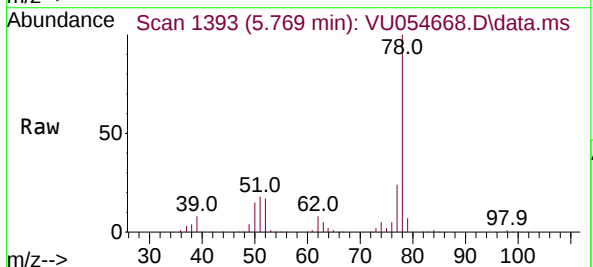
Instrument :
MSVOA_U
ClientSampleId :
VSTD005197

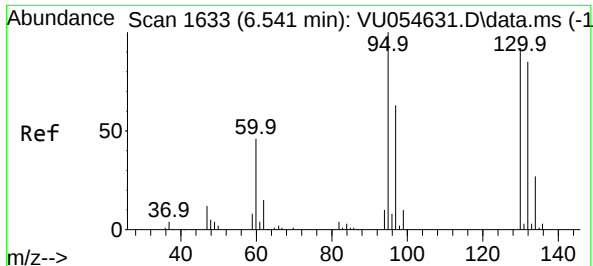
Tgt Ion:117 Resp: 157432
Ion Ratio Lower Upper
117 100
119 96.3 76.8 115.2



#33
Benzene
Concen: 4.666 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU054668.D
Acq: 23 Jun 2023 09:09

Tgt Ion: 78 Resp: 485357



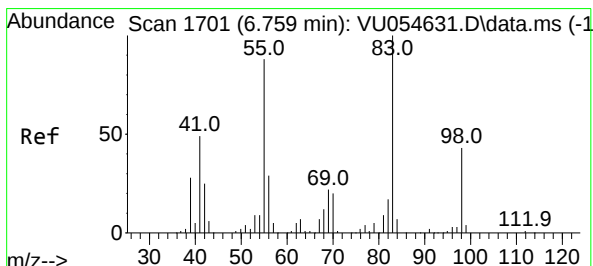
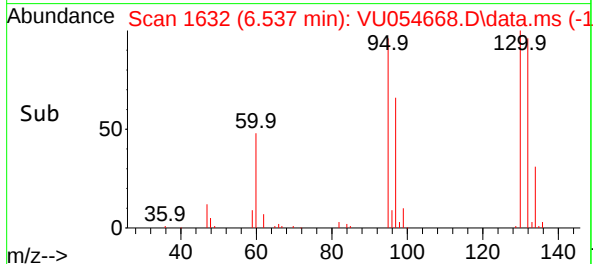
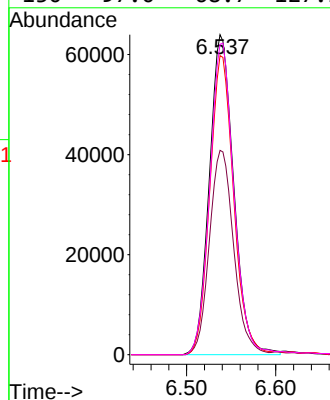
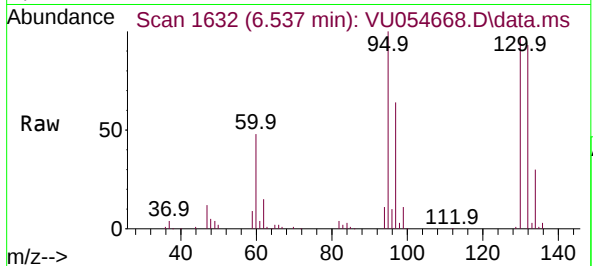


#34
Trichloroethene
Concen: 4.421 ug/L
RT: 6.537 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU054668.D
Acq: 23 Jun 2023 09:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD005197

Tgt Ion: 95 Resp: 121600

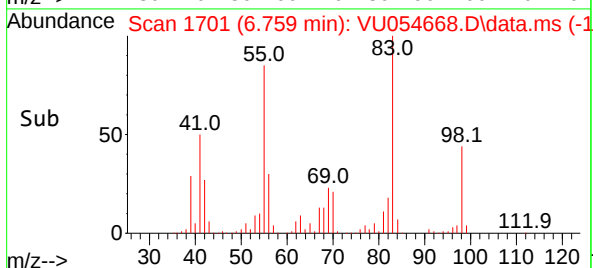
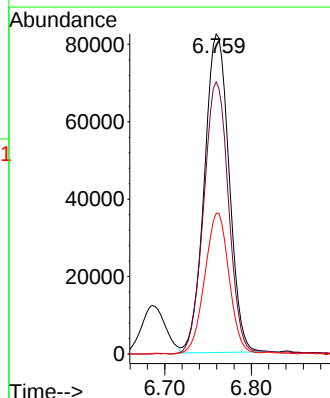
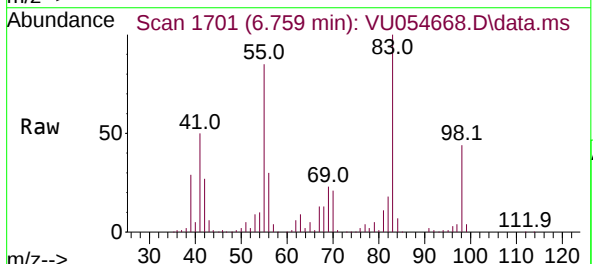
Ion	Ratio	Lower	Upper
95	100		
97	63.8	46.8	87.0
132	93.4	68.4	127.0
130	97.0	68.7	127.5

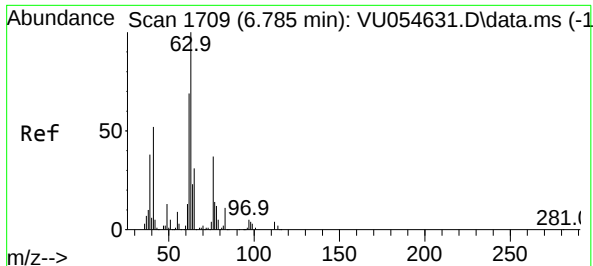


#35
Methylcyclohexane
Concen: 3.926 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU054668.D
Acq: 23 Jun 2023 09:09

Tgt Ion: 83 Resp: 163231

Ion	Ratio	Lower	Upper
83	100		
55	86.8	67.1	100.7
98	43.7	35.1	52.7

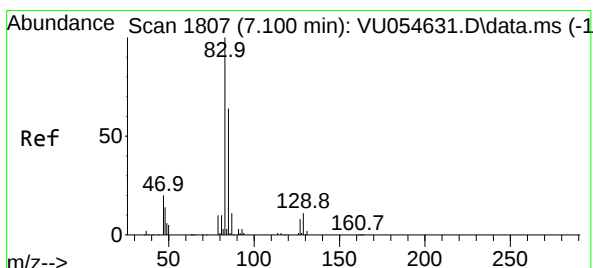
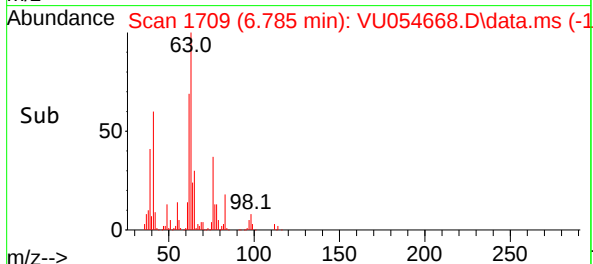
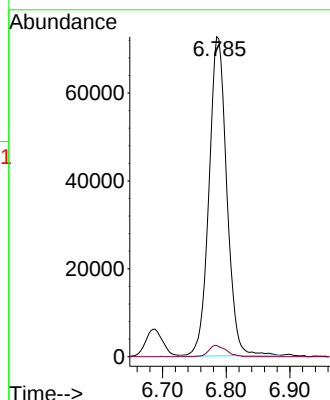
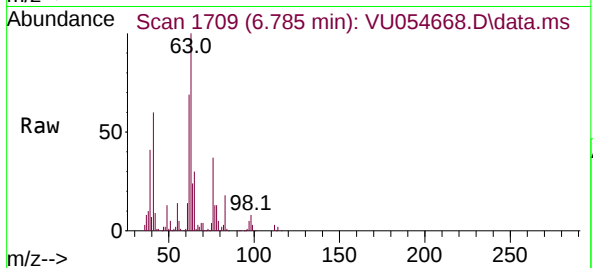




#37
1,2-Dichloropropane
Concen: 5.018 ug/L
RT: 6.785 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU054668.D
Acq: 23 Jun 2023 09:09

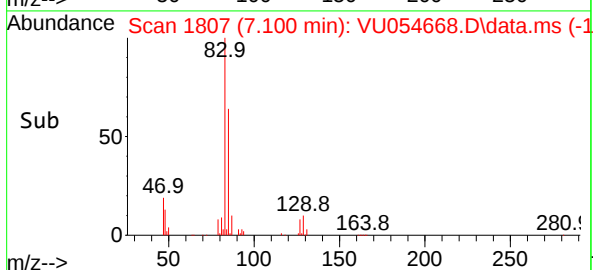
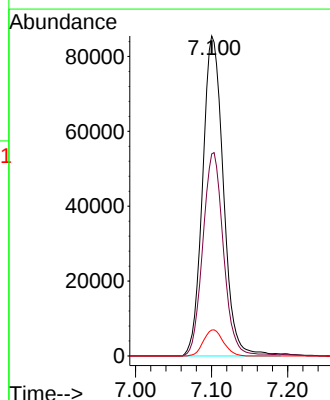
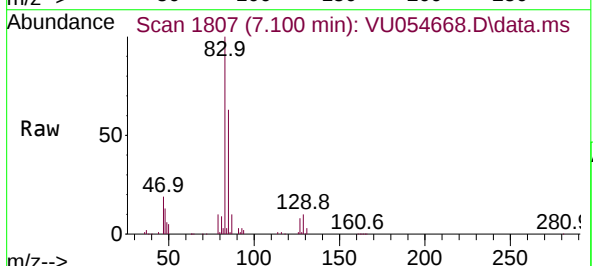
Instrument :
MSVOA_U
ClientSampleId :
VSTD005197

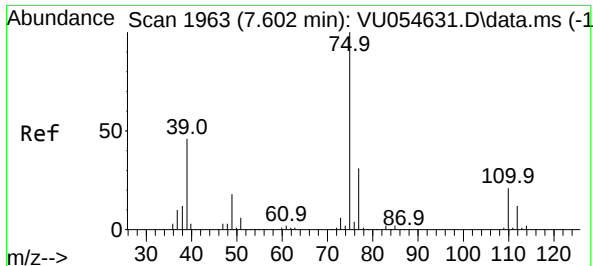
Tgt Ion: 63 Resp: 141138
Ion Ratio Lower Upper
63 100
112 3.5 3.0 4.6



#38
Bromodichloromethane
Concen: 5.097 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. -0.003 min
Lab File: VU054668.D
Acq: 23 Jun 2023 09:09

Tgt Ion: 83 Resp: 162253
Ion Ratio Lower Upper
83 100
85 63.2 44.1 81.9
127 8.1 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 4.526 ug/L

RT: 7.605 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VU054668.D

Acq: 23 Jun 2023 09:09

Instrument :

MSVOA_U

ClientSampleId :

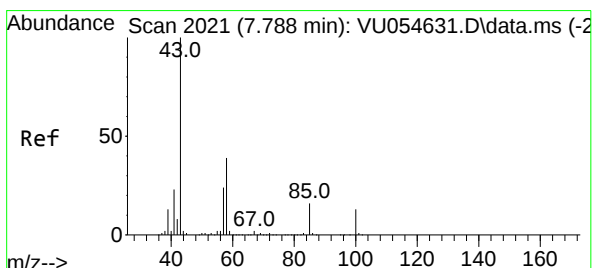
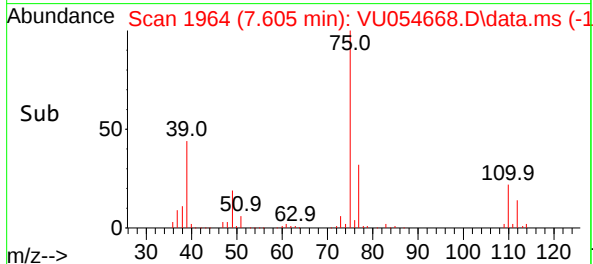
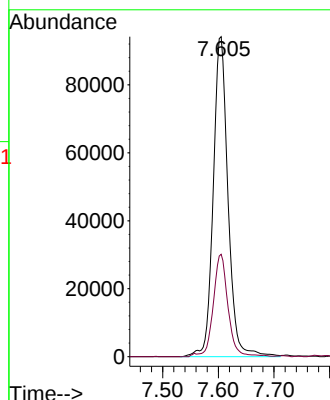
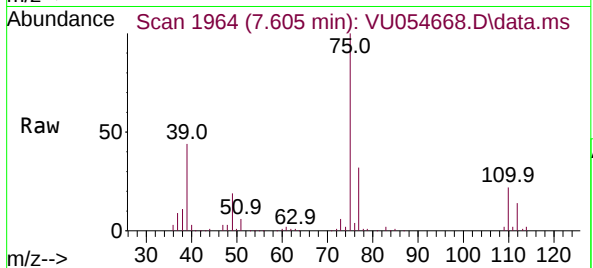
VSTD005197

Tgt Ion: 75 Resp: 173773

Ion Ratio Lower Upper

75 100

77 32.0 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 53.156 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.003 min

Lab File: VU054668.D

Acq: 23 Jun 2023 09:09

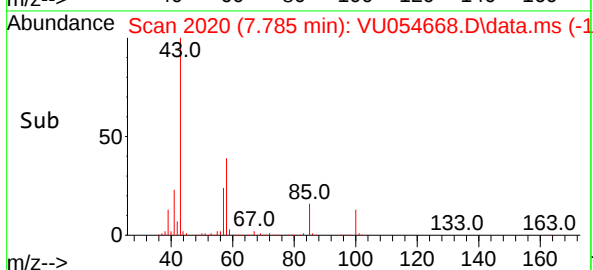
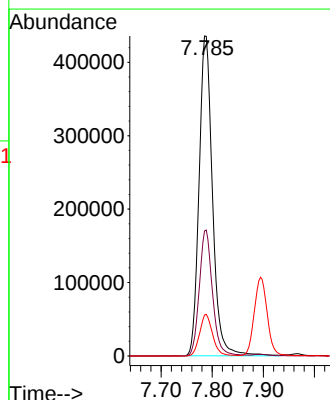
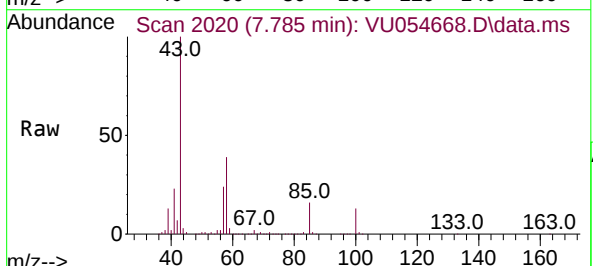
Tgt Ion: 43 Resp: 797816

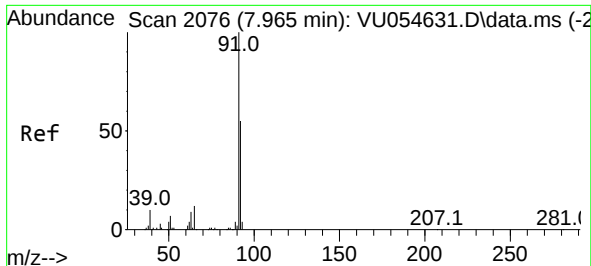
Ion Ratio Lower Upper

43 100

58 38.6 32.4 48.6

100 12.6 11.4 17.2





#42

Toluene

Concen: 4.719 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU054668.D

Acq: 23 Jun 2023 09:09

Instrument :

MSVOA_U

ClientSampleId :

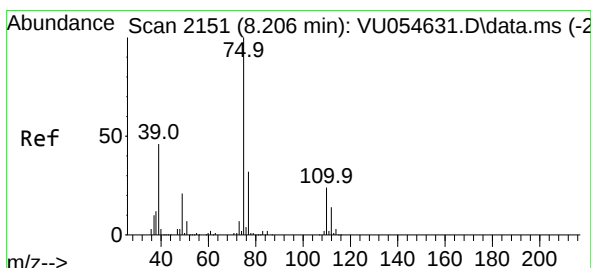
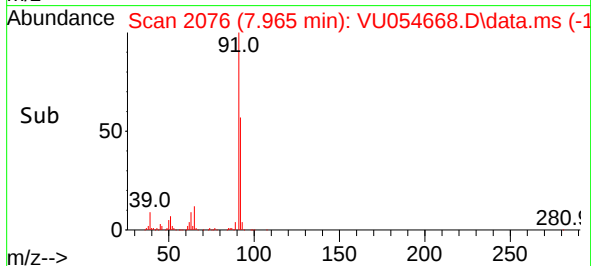
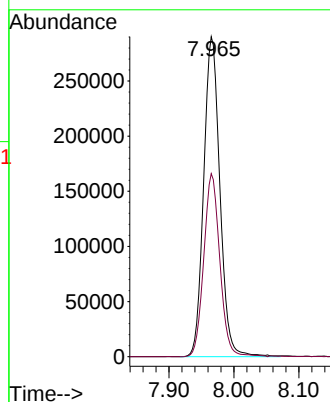
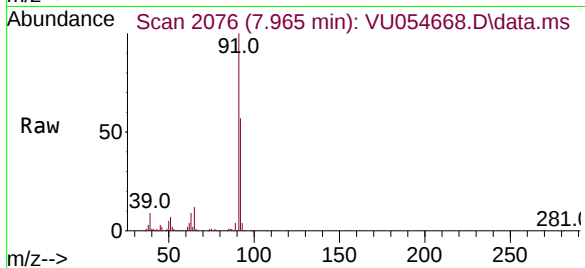
VSTD005197

Tgt Ion: 91 Resp: 505528

Ion Ratio Lower Upper

91 100

92 57.2 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 4.633 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU054668.D

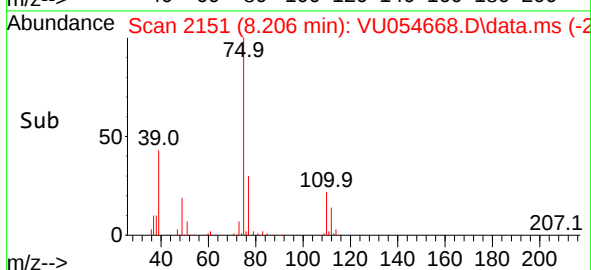
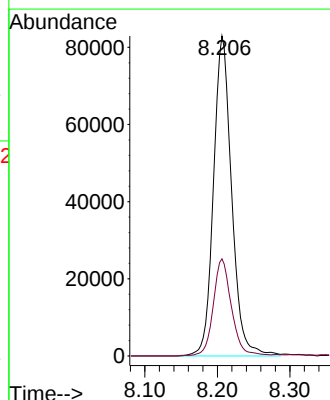
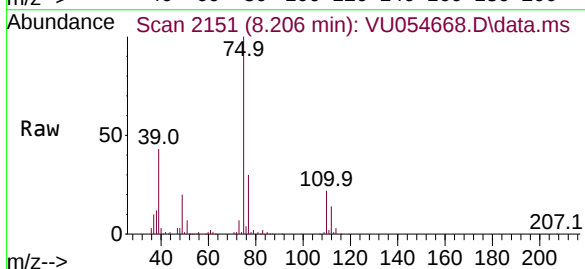
Acq: 23 Jun 2023 09:09

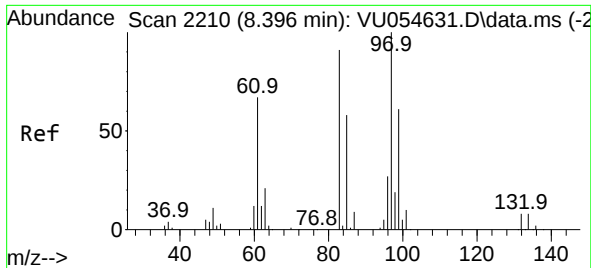
Tgt Ion: 75 Resp: 144364

Ion Ratio Lower Upper

75 100

77 30.4 21.3 39.6

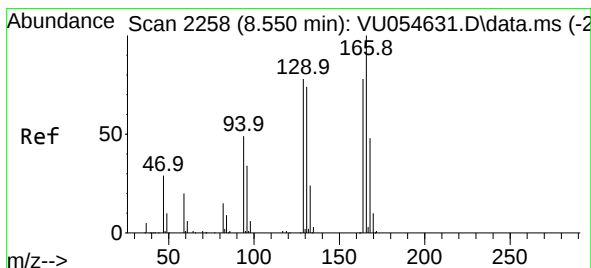
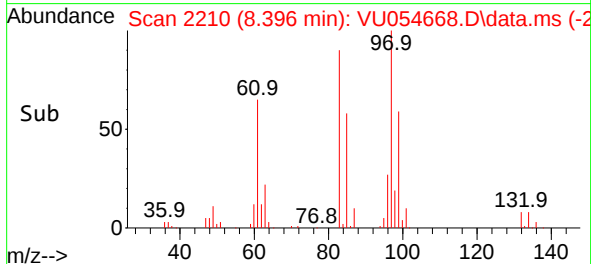
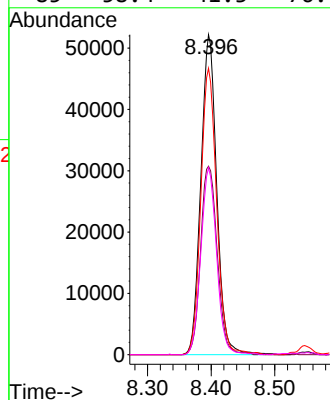
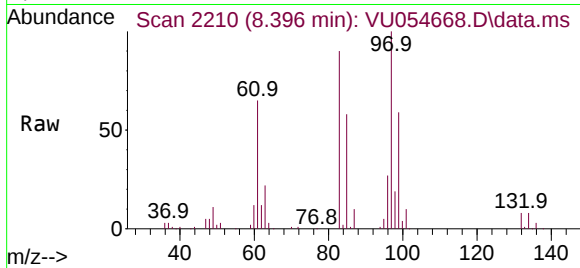




#45
1,1,2-Trichloroethane
Concen: 5.064 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. 0.000 min
Lab File: VU054668.D
Acq: 23 Jun 2023 09:09

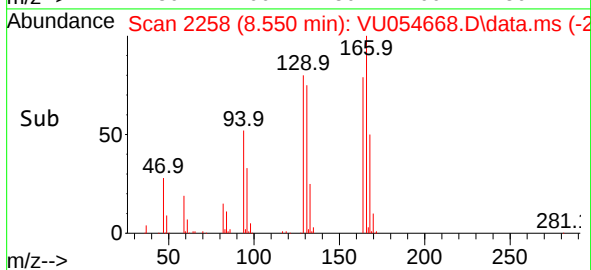
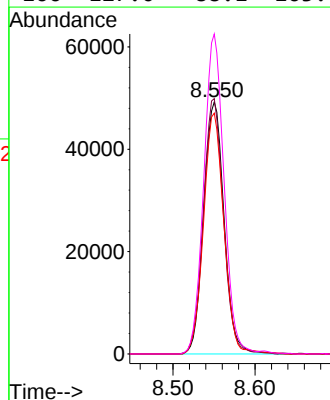
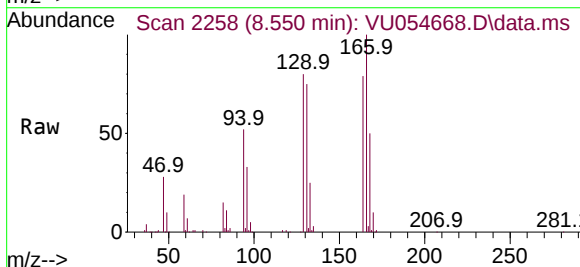
Instrument :
MSVOA_U
ClientSampleId :
VSTD005197

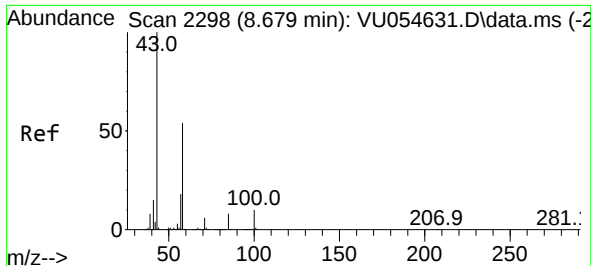
Tgt Ion:	97	Resp:	90608
Ion	Ratio	Lower	Upper
97	100		
99	58.9	43.0	80.0
83	89.5	63.8	118.6
85	58.4	41.3	76.7



#47
Tetrachloroethene
Concen: 4.050 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU054668.D
Acq: 23 Jun 2023 09:09

Tgt Ion:	164	Resp:	85282
Ion	Ratio	Lower	Upper
164	100		
129	101.4	67.7	125.7
131	95.5	64.6	120.0
166	127.0	88.1	163.7

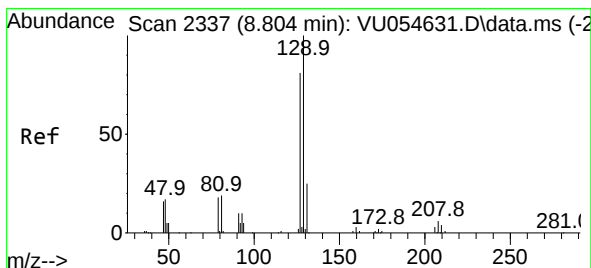
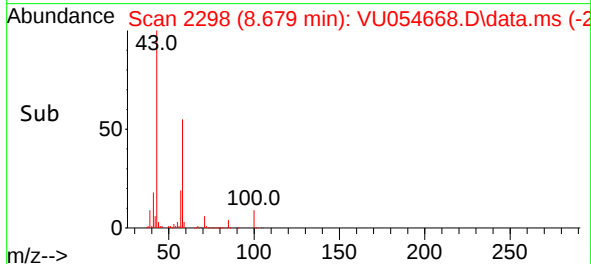
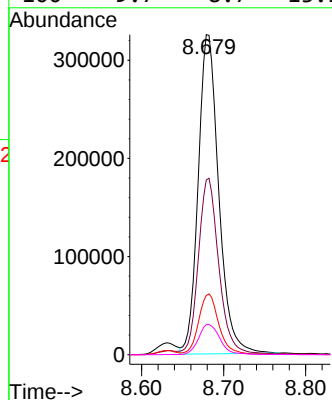
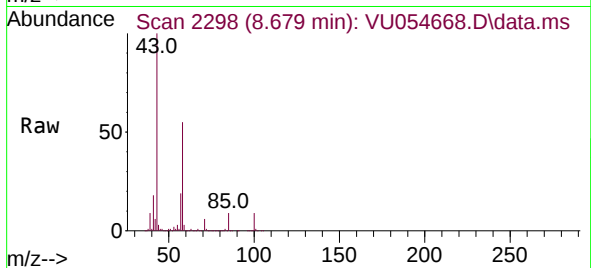




#48
2-Hexanone
Concen: 50.720 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU054668.D
Acq: 23 Jun 2023 09:09

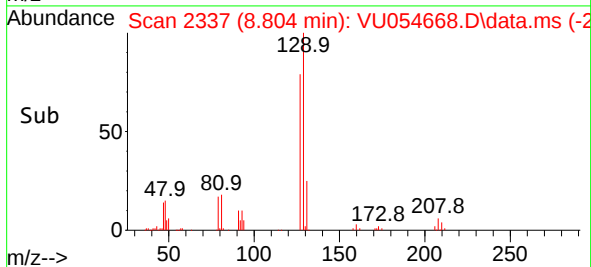
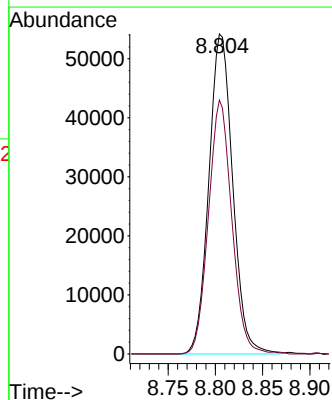
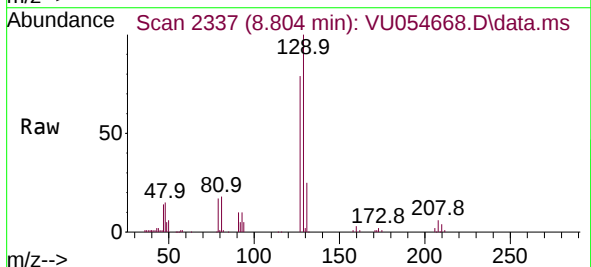
Instrument :
MSVOA_U
ClientSampleId :
VSTD005197

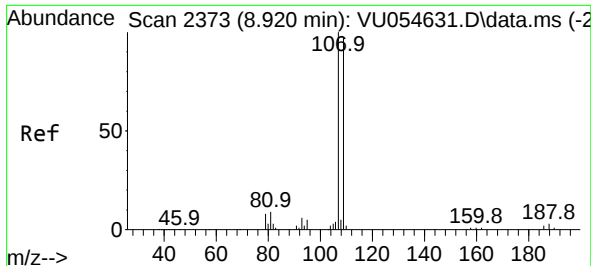
Tgt Ion: 43 Resp: 567213
Ion Ratio Lower Upper
43 100
58 54.5 45.2 67.8
57 18.8 15.8 23.6
100 9.7 8.7 13.1



#49
Dibromochloromethane
Concen: 5.062 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.003 min
Lab File: VU054668.D
Acq: 23 Jun 2023 09:09

Tgt Ion: 129 Resp: 95096
Ion Ratio Lower Upper
129 100
127 79.3 53.2 98.8

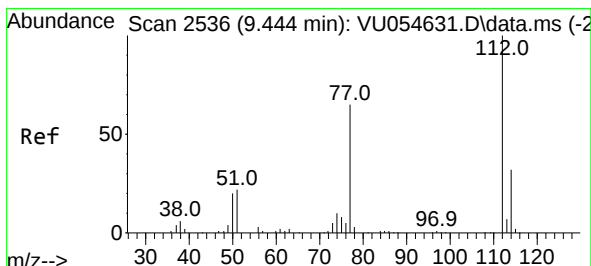
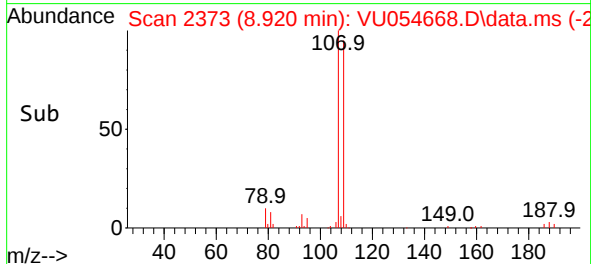
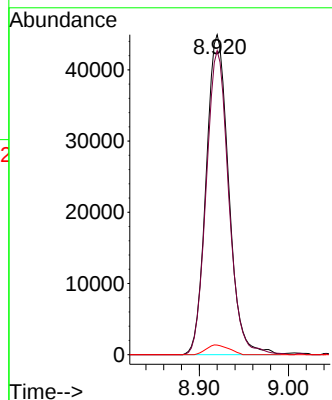
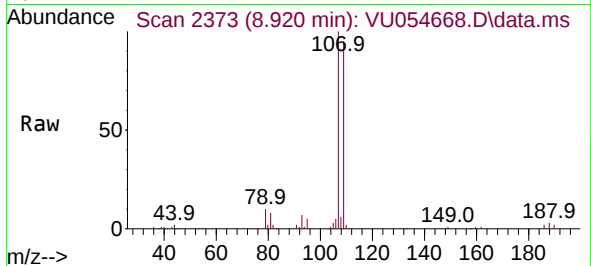




#50
1,2-Dibromoethane
Concen: 4.814 ug/L
RT: 8.920 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054668.D
Acq: 23 Jun 2023 09:09

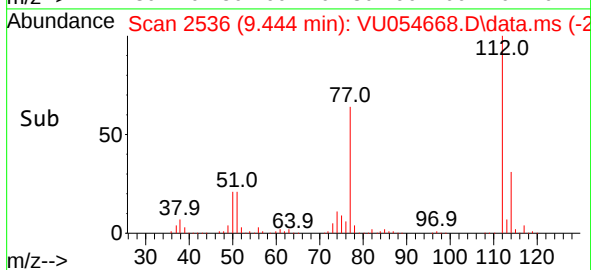
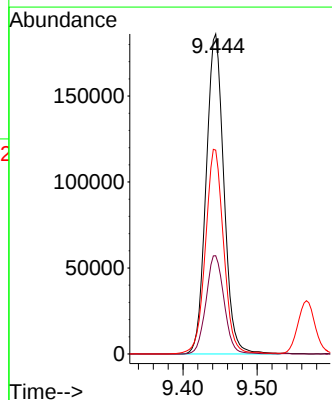
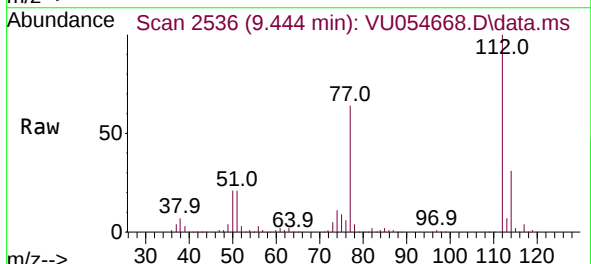
Instrument :
MSVOA_U
ClientSampleId :
VSTD005197

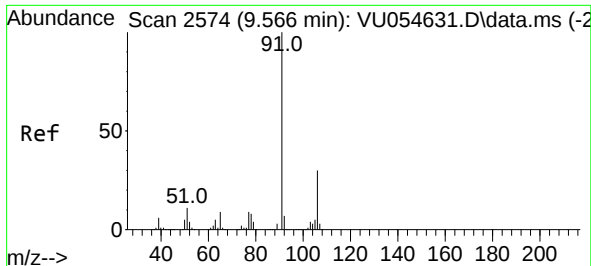
Tgt Ion:107 Resp: 79069
Ion Ratio Lower Upper
107 100
109 95.0 66.6 123.6
188 3.0 3.1 4.7#



#51
Chlorobenzene
Concen: 4.624 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.000 min
Lab File: VU054668.D
Acq: 23 Jun 2023 09:09

Tgt Ion:112 Resp: 308768
Ion Ratio Lower Upper
112 100
114 30.7 22.7 42.1
77 63.7 49.8 74.8

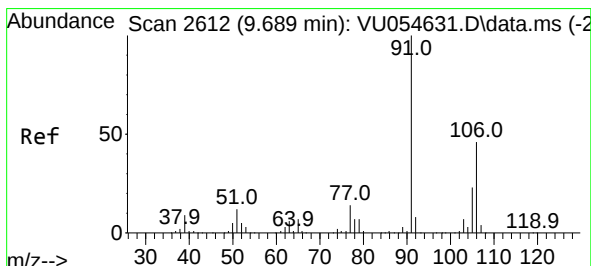
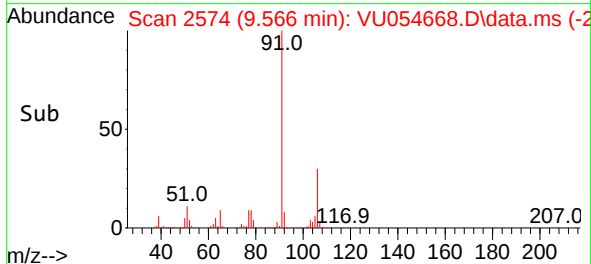
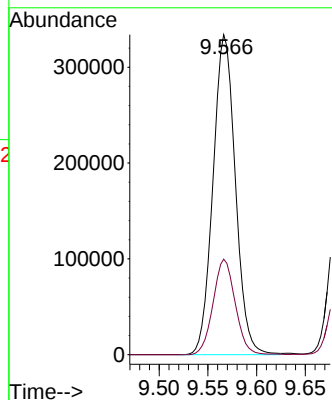
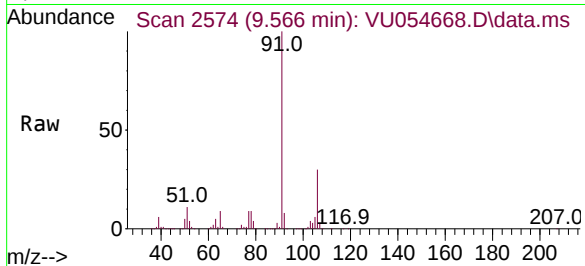




#52
Ethylbenzene
Concen: 4.560 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054668.D
Acq: 23 Jun 2023 09:09

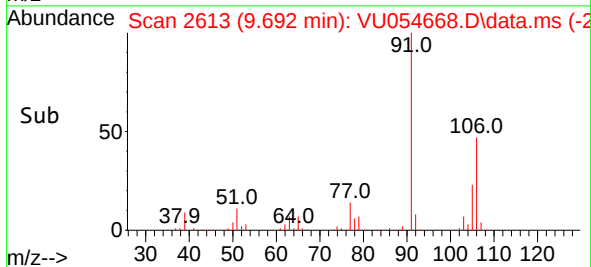
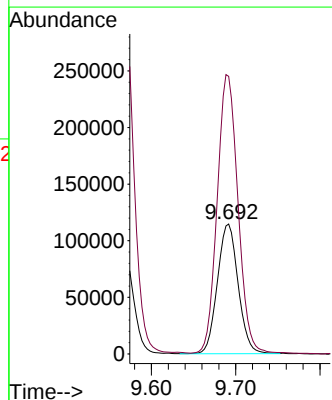
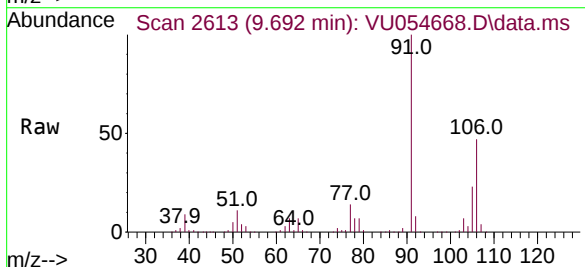
Instrument :
MSVOA_U
ClientSampleId :
VSTD005197

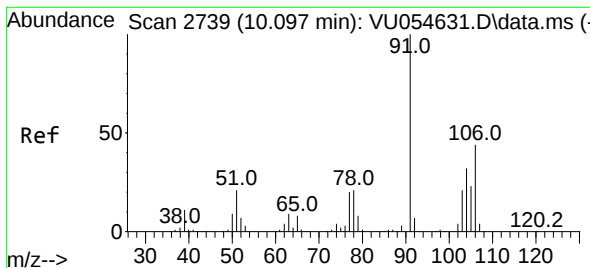
Tgt Ion: 91 Resp: 533521
Ion Ratio Lower Upper
91 100
106 29.9 21.1 39.3



#53
m,p-Xylene
Concen: 4.549 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU054668.D
Acq: 23 Jun 2023 09:09

Tgt Ion: 106 Resp: 195497
Ion Ratio Lower Upper
106 100
91 213.7 147.0 273.0





#54

o-Xylene

Concen: 4.659 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054668.D

Acq: 23 Jun 2023 09:09

Instrument :

MSVOA_U

ClientSampleId :

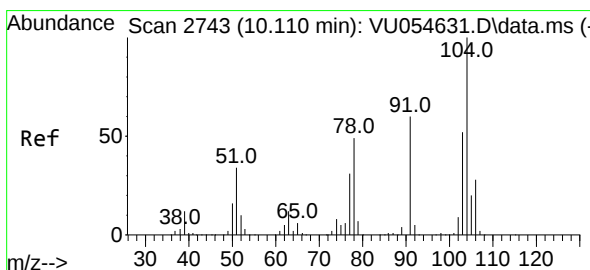
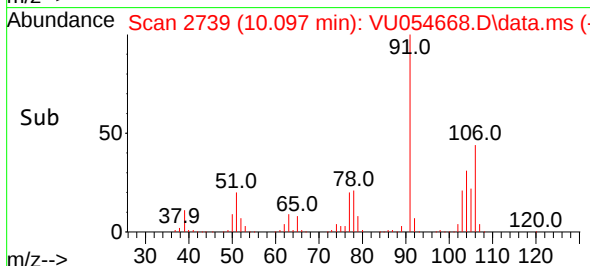
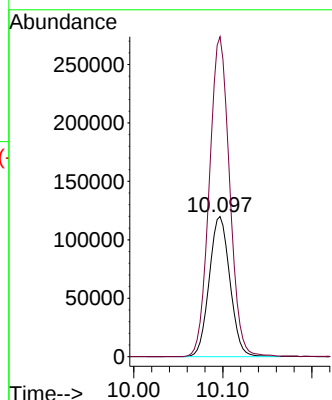
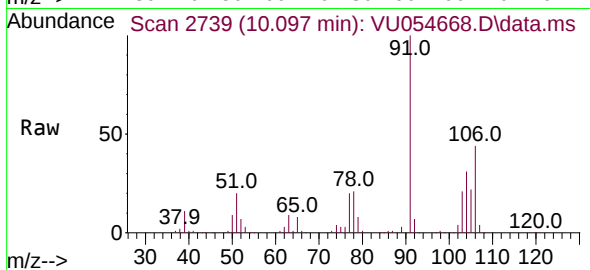
VSTD005197

Tgt Ion:106 Resp: 193615

Ion Ratio Lower Upper

106 100

91 228.2 154.5 286.9



#55

Styrene

Concen: 4.776 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU054668.D

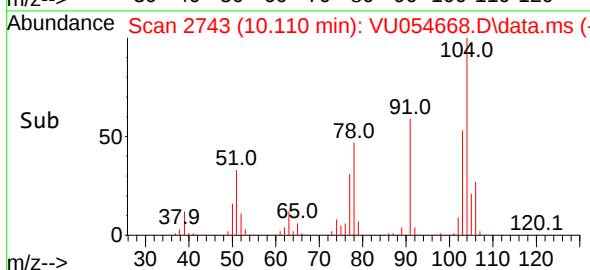
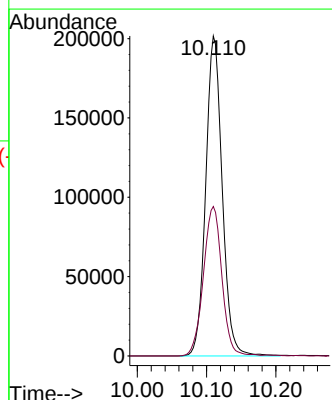
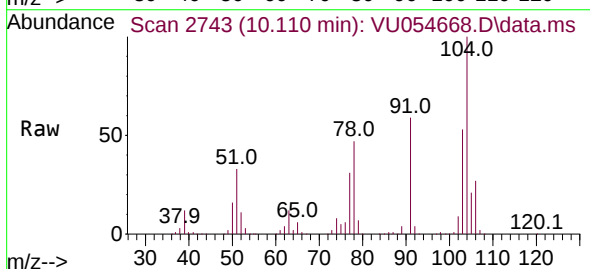
Acq: 23 Jun 2023 09:09

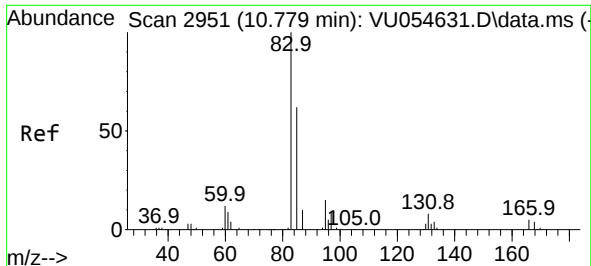
Tgt Ion:104 Resp: 333190

Ion Ratio Lower Upper

104 100

78 46.7 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 5.157 ug/L

RT: 10.775 min Scan# 2951

Delta R.T. -0.003 min

Lab File: VU054668.D

Acq: 23 Jun 2023 09:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD005197

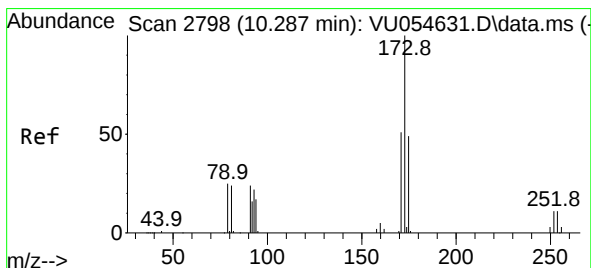
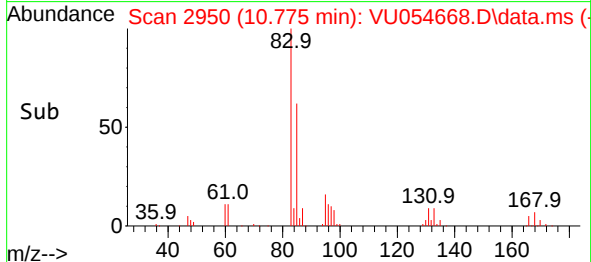
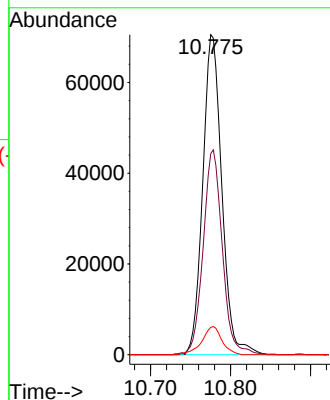
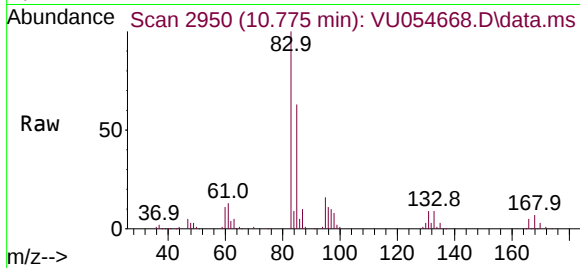
Tgt Ion: 83 Resp: 117205

Ion Ratio Lower Upper

83 100

85 62.8 44.2 82.2

131 8.5 7.0 10.6



#59

Bromoform

Concen: 5.330 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. 0.000 min

Lab File: VU054668.D

Acq: 23 Jun 2023 09:09

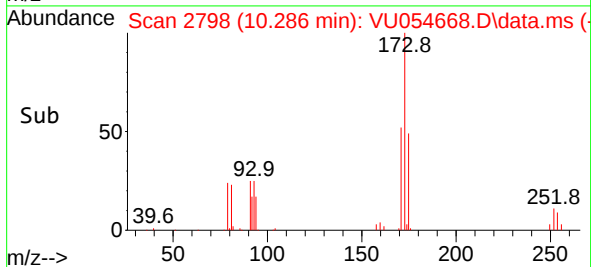
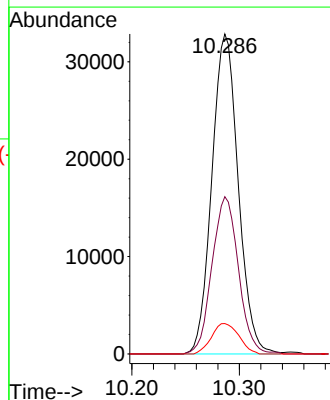
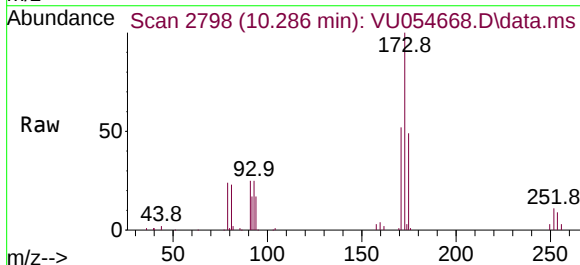
Tgt Ion:173 Resp: 55939

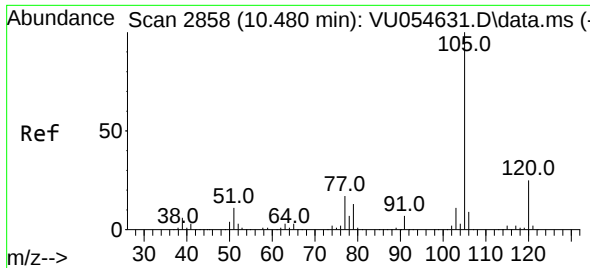
Ion Ratio Lower Upper

173 100

175 49.3 39.4 59.0

254 9.9 8.6 12.8

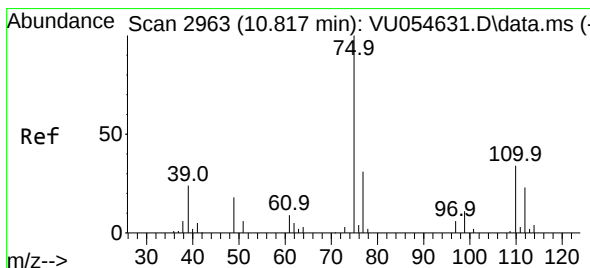
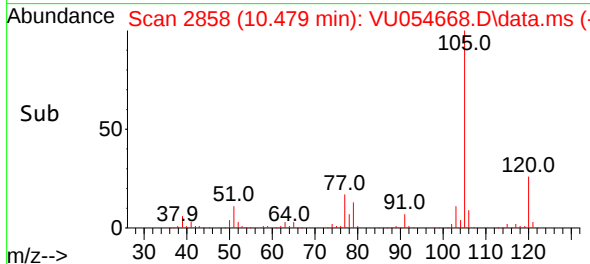
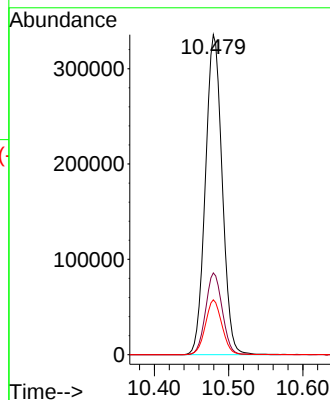
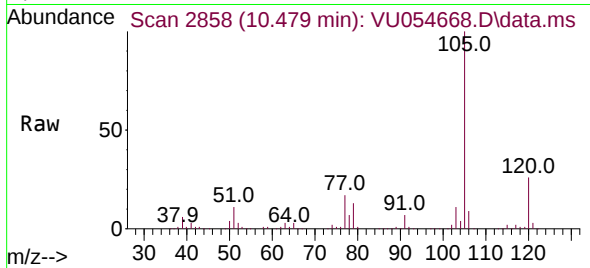




#60
Isopropylbenzene
Concen: 4.915 ug/L
RT: 10.479 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054668.D
Acq: 23 Jun 2023 09:09

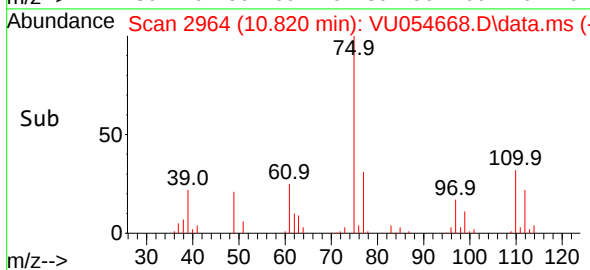
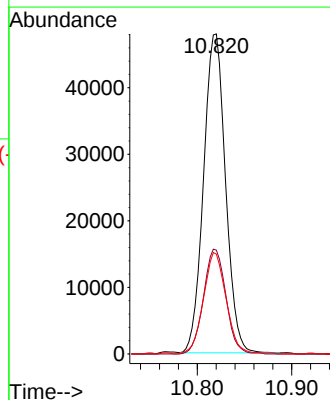
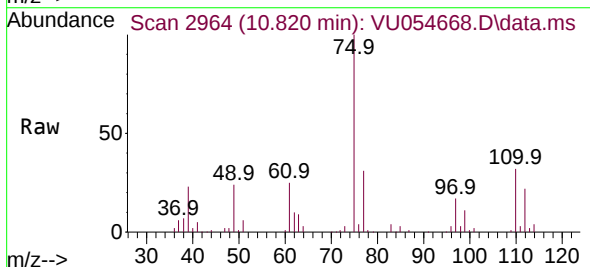
Instrument :
MSVOA_U
ClientSampleId :
VSTD005197

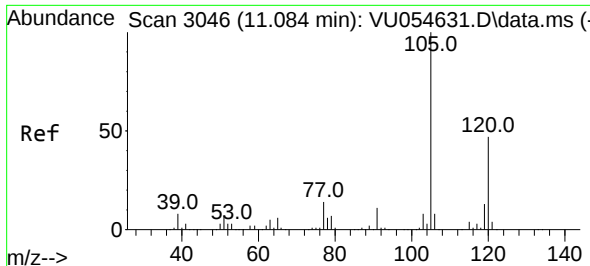
Tgt Ion:105 Resp: 525625
Ion Ratio Lower Upper
105 100
120 25.4 20.9 31.3
77 16.9 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 5.237 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.003 min
Lab File: VU054668.D
Acq: 23 Jun 2023 09:09

Tgt Ion: 75 Resp: 77360
Ion Ratio Lower Upper
75 100
110 33.4 28.0 42.0
77 32.9 25.4 38.2

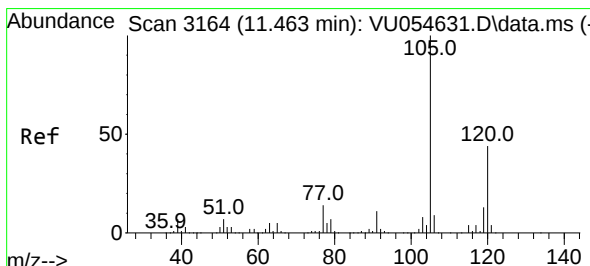
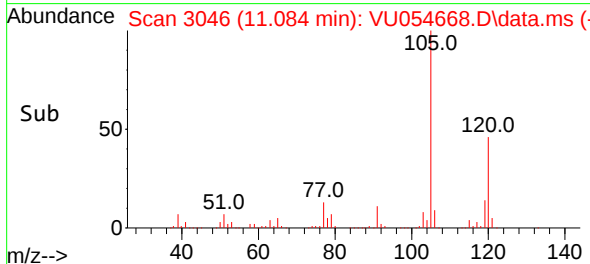
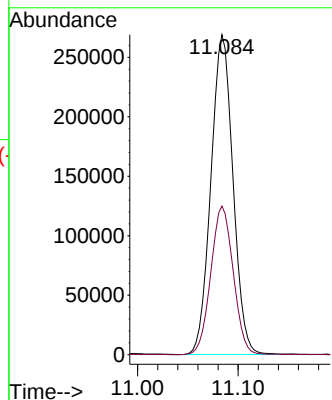
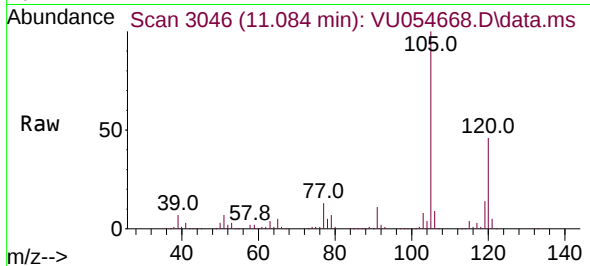




#62
 1,3,5-Trimethylbenzene
 Concen: 4.703 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. 0.000 min
 Lab File: VU054668.D
 Acq: 23 Jun 2023 09:09

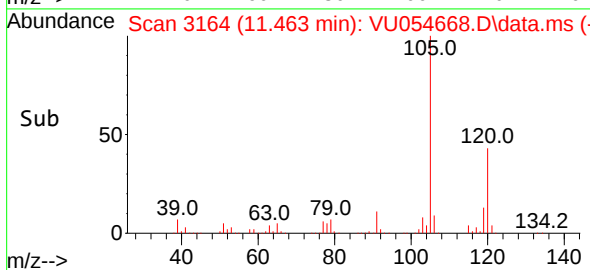
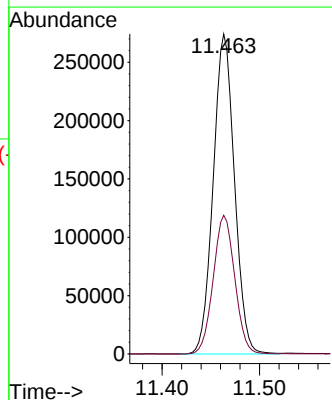
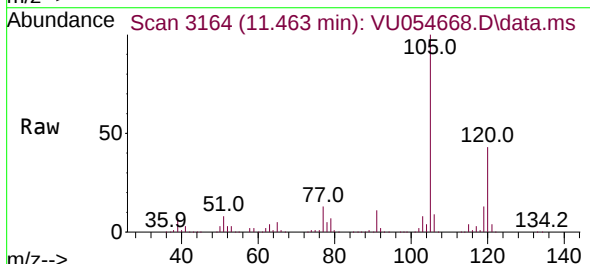
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005197

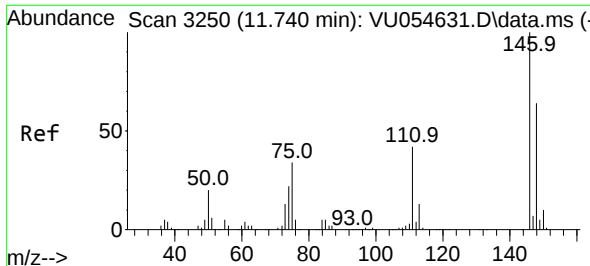
Tgt Ion:105 Resp: 410309
 Ion Ratio Lower Upper
 105 100
 120 47.3 37.9 56.9



#63
 1,2,4-Trimethylbenzene
 Concen: 4.698 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. 0.000 min
 Lab File: VU054668.D
 Acq: 23 Jun 2023 09:09

Tgt Ion:105 Resp: 416268
 Ion Ratio Lower Upper
 105 100
 120 43.8 35.4 53.0

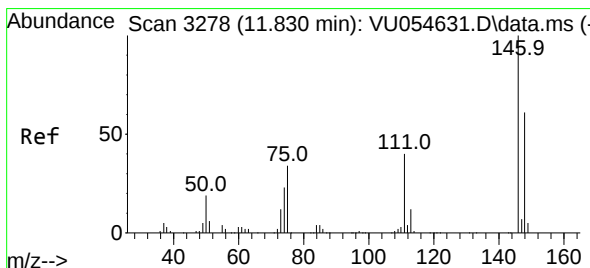
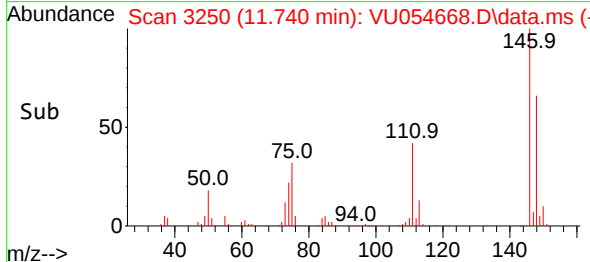
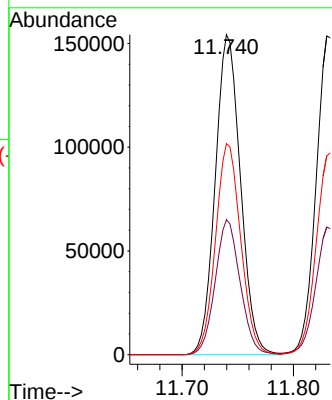
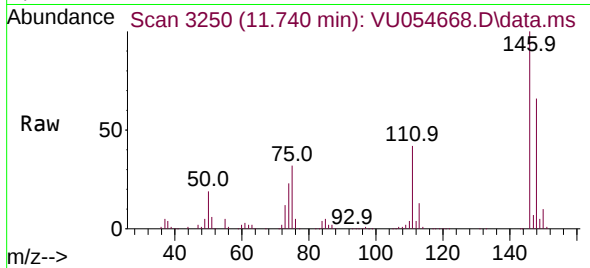




#64
1,3-Dichlorobenzene
Concen: 4.858 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU054668.D
Acq: 23 Jun 2023 09:09

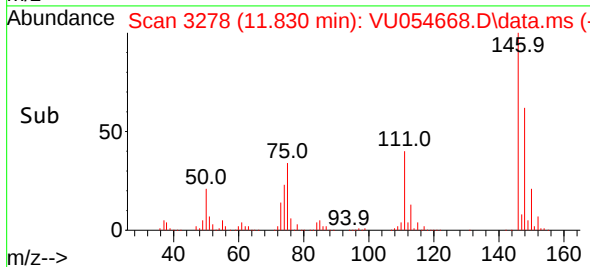
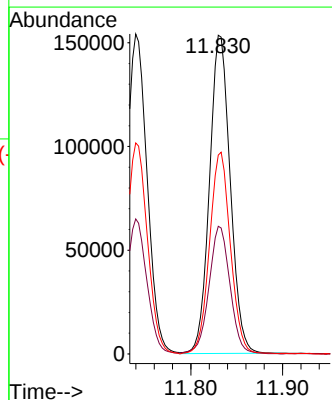
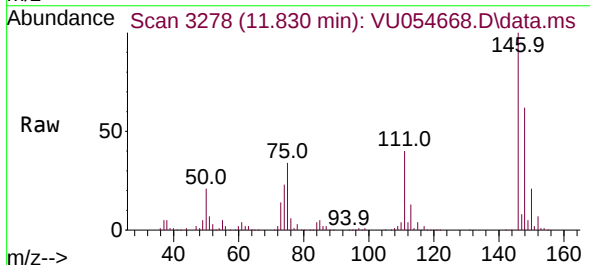
Instrument :
MSVOA_U
ClientSampleId :
VSTD005197

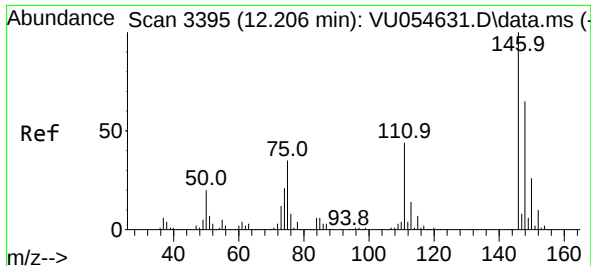
Tgt Ion:146 Resp: 242849
Ion Ratio Lower Upper
146 100
111 42.2 28.9 53.7
148 66.0 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 4.792 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU054668.D
Acq: 23 Jun 2023 09:09

Tgt Ion:146 Resp: 240414
Ion Ratio Lower Upper
146 100
111 40.1 28.0 52.0
148 62.4 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 4.928 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU054668.D

Acq: 23 Jun 2023 09:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD005197

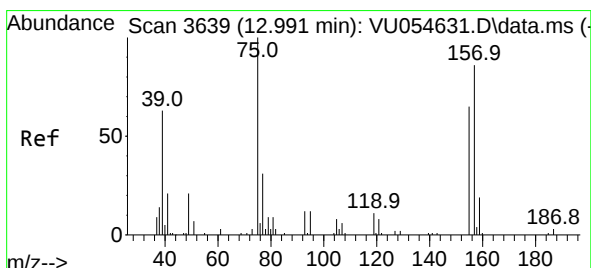
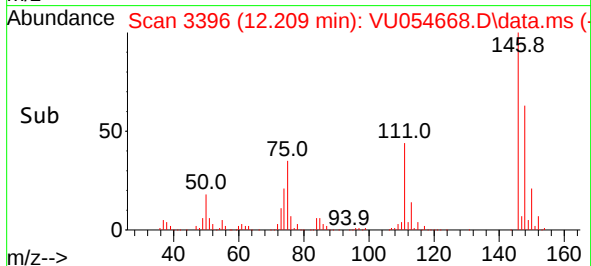
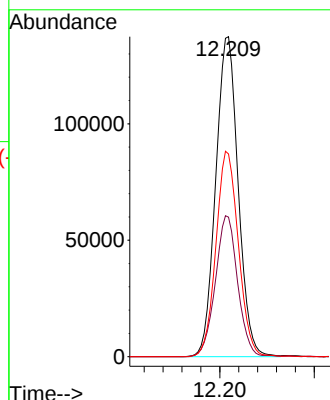
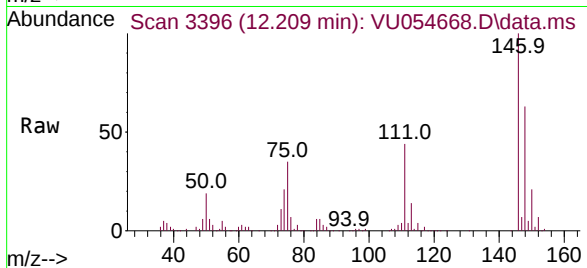
Tgt Ion:146 Resp: 226533

Ion Ratio Lower Upper

146 100

111 43.6 34.5 51.7

148 63.3 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 5.486 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.003 min

Lab File: VU054668.D

Acq: 23 Jun 2023 09:09

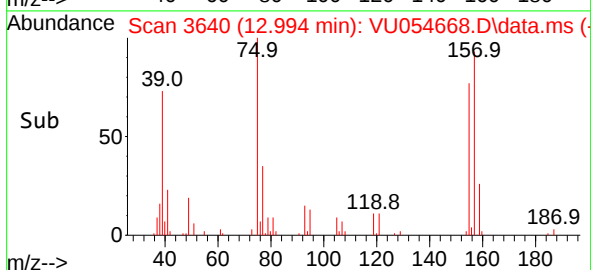
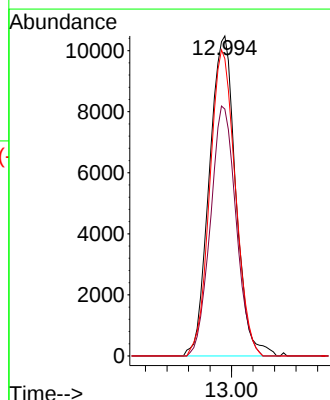
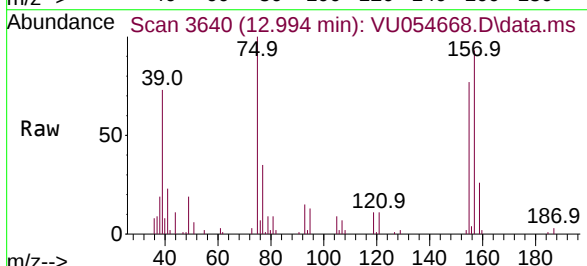
Tgt Ion: 75 Resp: 17811

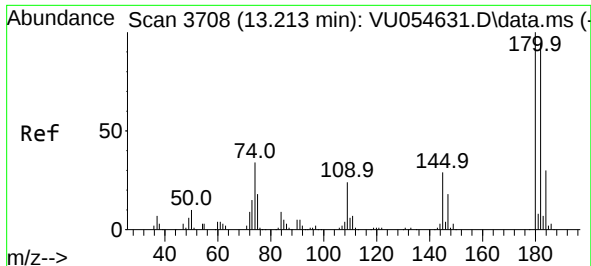
Ion Ratio Lower Upper

75 100

155 77.2 65.7 98.5

157 92.9 84.2 126.2





#69

1,3,5-Trichlorobenzene

Concen: 4.614 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU054668.D

Acq: 23 Jun 2023 09:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD005197

Tgt Ion:180 Resp: 174025

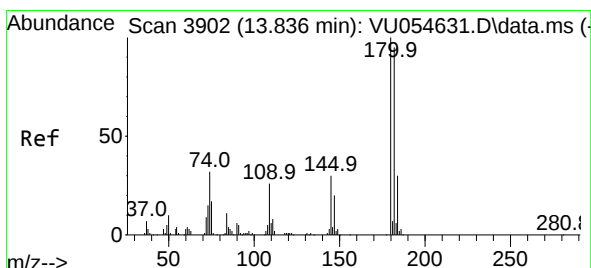
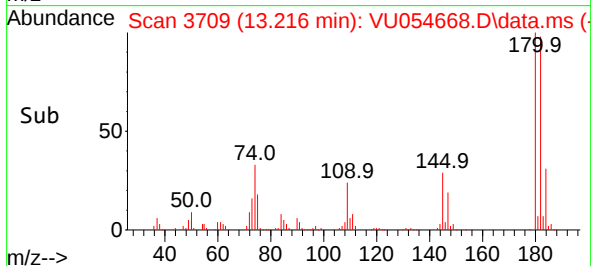
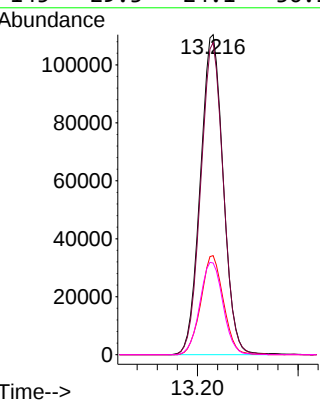
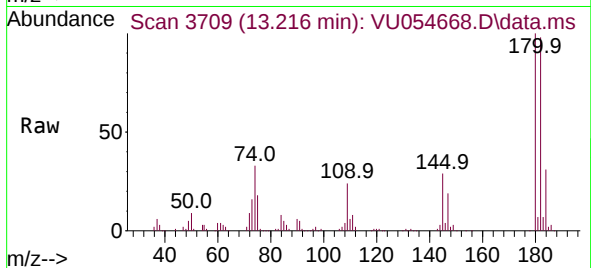
Ion Ratio Lower Upper

180 100

182 96.5 75.0 112.6

184 30.6 24.1 36.1

145 29.3 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 4.431 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.003 min

Lab File: VU054668.D

Acq: 23 Jun 2023 09:09

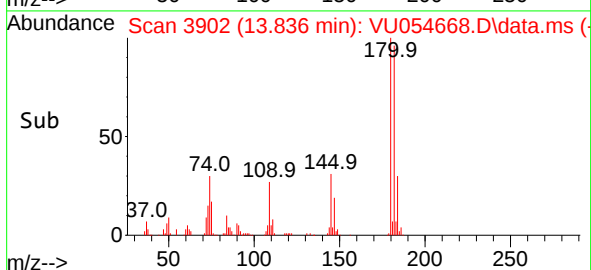
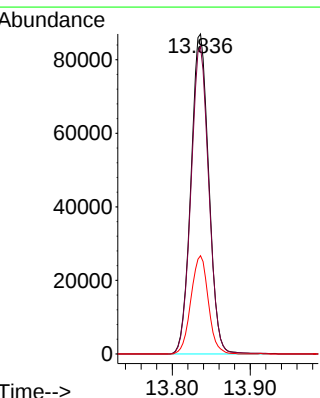
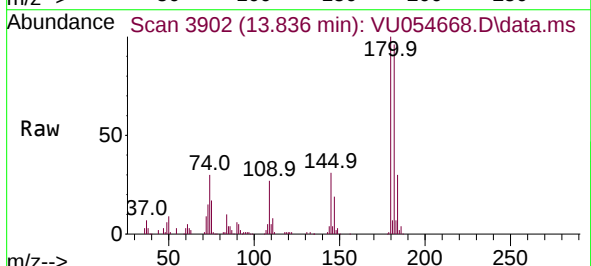
Tgt Ion:180 Resp: 138201

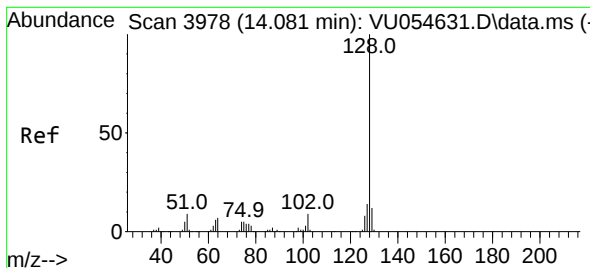
Ion Ratio Lower Upper

180 100

182 95.8 76.6 114.8

145 29.9 24.0 36.0





#71

Naphthalene

Concen: 4.060 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU054668.D

Acq: 23 Jun 2023 09:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD005197

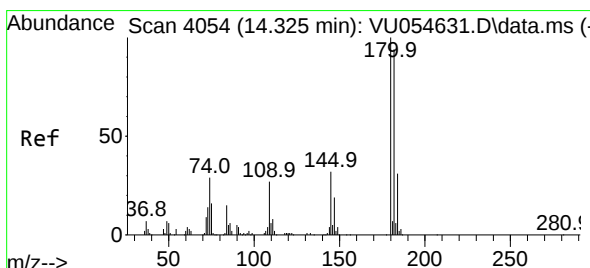
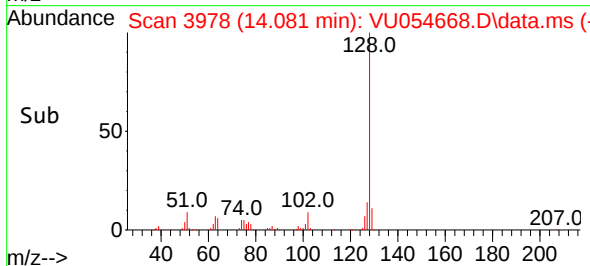
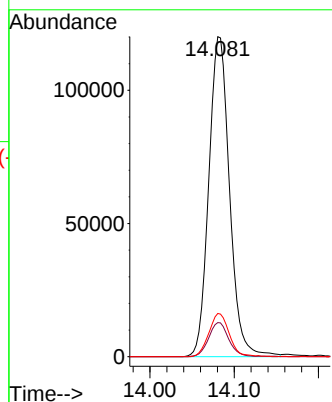
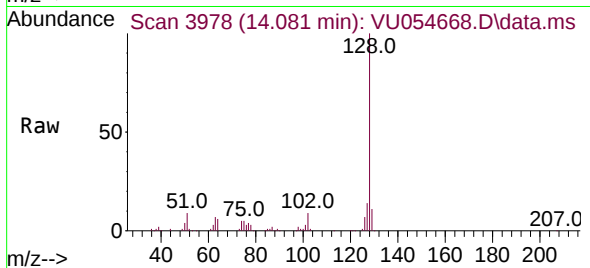
Tgt Ion:128 Resp: 205891

Ion Ratio Lower Upper

128 100

129 10.3 8.6 12.8

127 13.3 10.6 15.8



#72

1,2,3-Trichlorobenzene

Concen: 4.474 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.003 min

Lab File: VU054668.D

Acq: 23 Jun 2023 09:09

Tgt Ion:180 Resp: 119873

Ion Ratio Lower Upper

180 100

182 96.8 75.4 113.2

145 31.7 26.0 39.0

