

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U070323\
 Data File : U054737.D
 Acq On : 03 Jul 2023 09:49
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005086

Quant Time: Jul 05 04:35:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Jul 03 06:42:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	277713	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	269030	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	137729	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	85888	4.860	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.200%
7) Chloroethane-d5	1.907	69	71995	4.351	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.000%
11) 1,1-Dichloroethene-d2	2.560	65	34445	4.364	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.200%
20) 2-Butanone-d5	4.624	46	285480	57.450	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.900%
24) Chloroform-d	5.058	84	174471	4.723	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
26) 1,2-Dichloroethane-d4	5.698	65	87514	4.859	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.200%
32) Benzene-d6	5.724	84	316030	4.226	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
36) 1,2-Dichloropropane-d6	6.689	67	111245	4.454	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.000%
41) Toluene-d8	7.894	98	290436	4.376	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.600%
43) trans-1,3-Dichloroprop...	8.177	79	43587	5.019	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.400%
46) 2-Hexanone-d5	8.631	63	201054	55.178	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.360%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	96025	5.156	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	105144	4.526	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	92879	3.579	ug/L	98
3) Chloromethane	1.518	50	121544	4.077	ug/L	96
5) Vinyl chloride	1.602	62	128527	4.201	ug/L	99
6) Bromomethane	1.856	94	68289	4.060	ug/L	98
8) Chloroethane	1.930	64	82727	4.511	ug/L	95
9) Trichlorofluoromethane	2.132	101	175300	4.660	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	106840	4.855	ug/L	99
12) 1,1-Dichloroethene	2.573	96	89789	4.458	ug/L #	87
13) Acetone	2.637	43	220804	47.127	ug/L	99
14) Carbon disulfide	2.788	76	211729	3.545	ug/L	99
15) Methyl Acetate	2.952	43	49264	5.674	ug/L	95
16) Methylene chloride	3.042	84	114027	4.026	ug/L	97
17) Methyl tert-butyl Ether	3.361	73	254889	5.127	ug/L	98
18) trans-1,2-Dichloroethene	3.348	96	90324	4.343	ug/L	99
19) 1,1-Dichloroethane	3.862	63	211816	4.922	ug/L	98
21) 2-Butanone	4.705	43	335140	55.116	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	112055	4.732	ug/L	97
23) Bromochloromethane	4.972	128	49052	4.977	ug/L	99
25) Chloroform	5.084	83	215107	5.070	ug/L	99

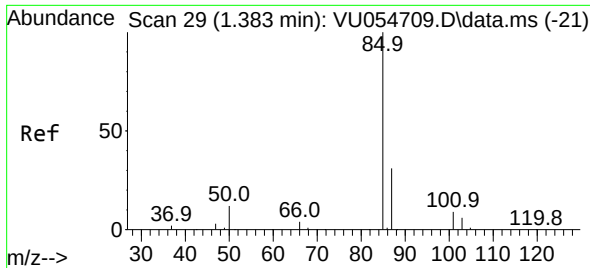
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070323\
 Data File : VU054737.D
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Quant Time: Jul 05 04:35:11 2023
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	129877	5.222	ug/L	98
29) 1,1,1-Trichloroethane	5.312	97	177479	4.865	ug/L	99
30) Cyclohexane	5.383	56	151145	3.804	ug/L	99
31) Carbon tetrachloride	5.521	117	147141	4.681	ug/L	100
33) Benzene	5.769	78	434396	4.493	ug/L	100
34) Trichloroethene	6.537	95	113319	4.432	ug/L	95
35) Methylcyclohexane	6.759	83	149933	3.880	ug/L	99
37) 1,2-Dichloropropane	6.788	63	125957	4.818	ug/L	100
38) Bromodichloromethane	7.100	83	153171	5.176	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	172893	4.844	ug/L	98
40) 4-Methyl-2-pentanone	7.788	43	781389	56.009	ug/L	98
42) Toluene	7.965	91	464930	4.669	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	148840	5.138	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	88615	5.328	ug/L	99
47) Tetrachloroethene	8.550	164	86541	4.422	ug/L	98
48) 2-Hexanone	8.682	43	571401	54.968	ug/L	99
49) Dibromochloromethane	8.804	129	96303	5.515	ug/L	98
50) 1,2-Dibromoethane	8.920	107	78356	5.132	ug/L	99
51) Chlorobenzene	9.444	112	286524	4.616	ug/L	99
52) Ethylbenzene	9.566	91	491904	4.524	ug/L	99
53) m,p-Xylene	9.692	106	184052	4.607	ug/L	97
54) o-Xylene	10.097	106	181329	4.694	ug/L	99
55) Styrene	10.113	104	312045	4.813	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	114543	5.422	ug/L	99
59) Bromoform	10.287	173	58061	5.872	ug/L	98
60) Isopropylbenzene	10.483	105	492343	4.887	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	78531	5.642	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	390001	4.744	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	398187	4.769	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	235518	5.001	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	231333	4.894	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	220196	5.084	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	18043	5.899	ug/L	92
69) 1,3,5-Trichlorobenzene	13.216	180	169861	4.780	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	138921	4.728	ug/L	99
71) Naphthalene	14.084	128	216706	4.536	ug/L	97
72) 1,2,3-Trichlorobenzene	14.325	180	128932	5.108	ug/L	98

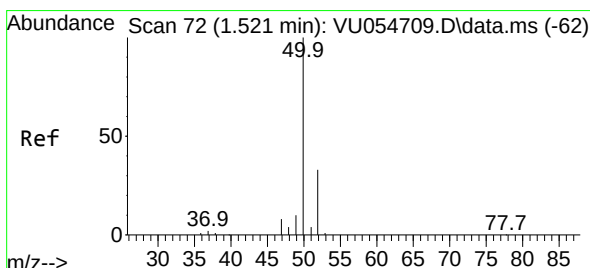
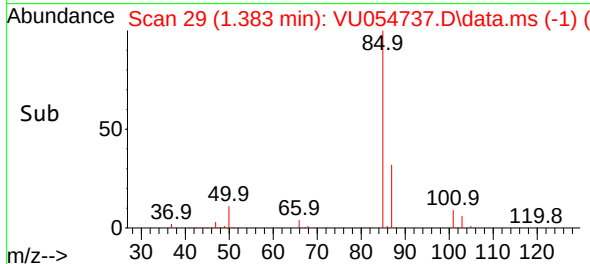
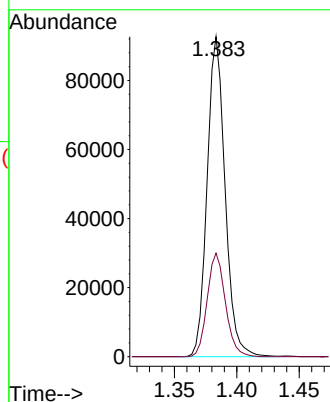
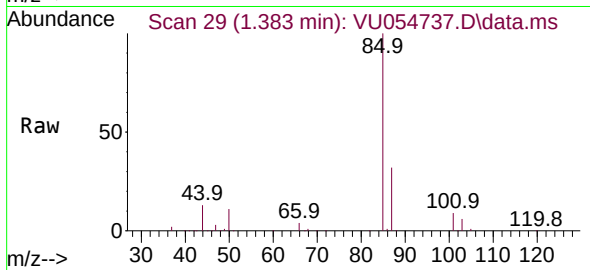
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#2
 Dichlorodifluoromethane
 Concen: 3.579 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU054737.D
 Acq: 03 Jul 2023 09:49

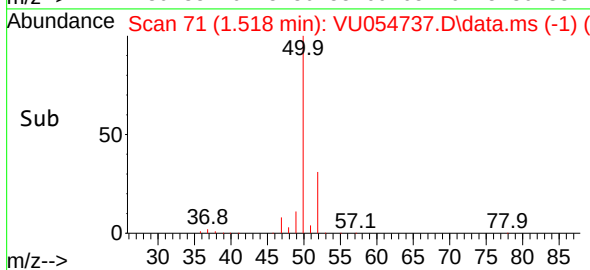
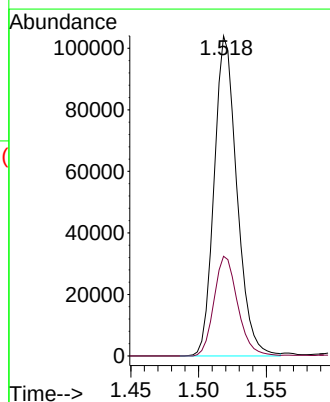
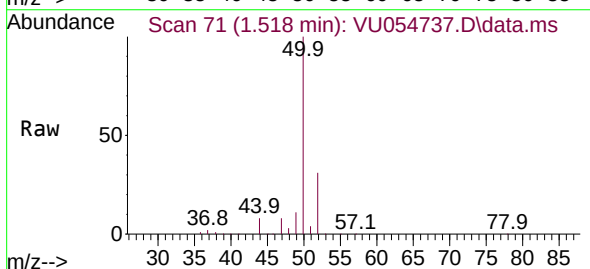
Instrument :
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 ClientSampleId :
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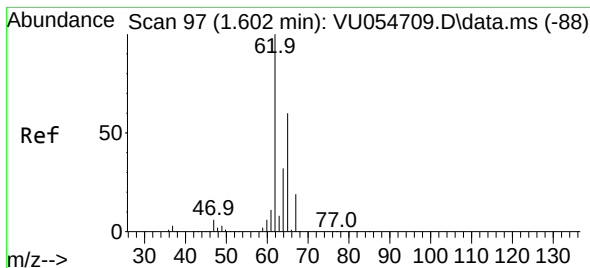
Tgt Ion: 85 Resp: 92879
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.4 38.2



#3
 Chloromethane
 Concen: 4.077 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VU054737.D
 Acq: 03 Jul 2023 09:49

Tgt Ion: 50 Resp: 121544
 Ion Ratio Lower Upper
 50 100
 52 31.1 23.4 43.4





#5

Vinyl chloride

Concen: 4.201 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU054737.D

Acq: 03 Jul 2023 09:49

Instrument :

MSVOA_U

ClientSampleId :

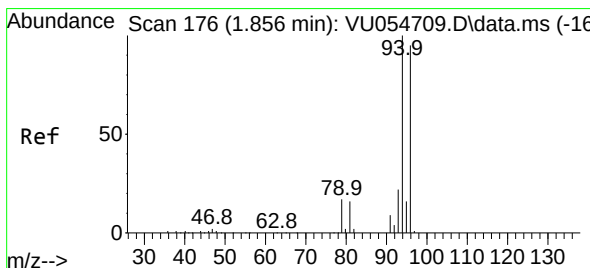
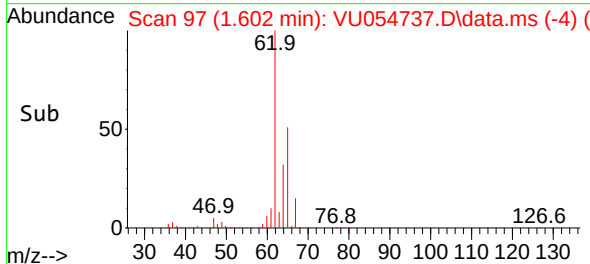
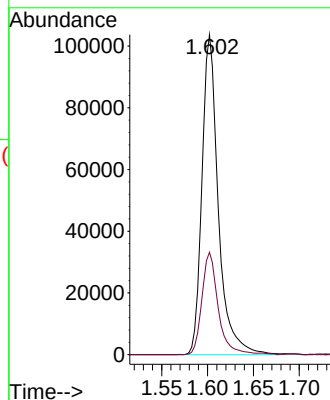
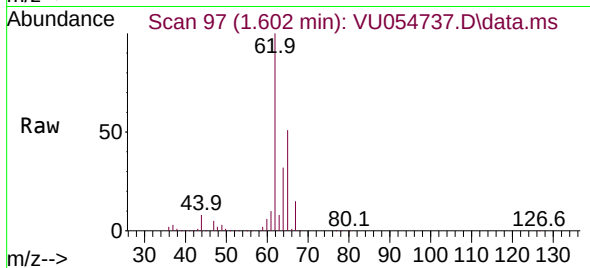
VSTD005086

Tgt Ion: 62 Resp: 128527

Ion Ratio Lower Upper

62 100

64 32.0 23.0 42.6



#6

Bromomethane

Concen: 4.060 ug/L

RT: 1.856 min Scan# 176

Delta R.T. 0.000 min

Lab File: VU054737.D

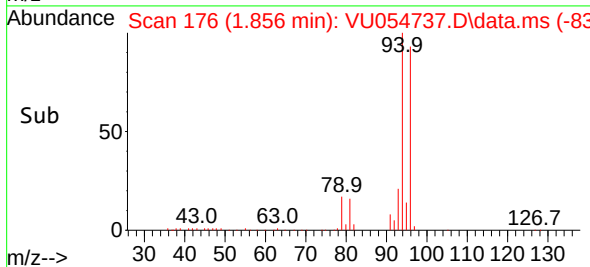
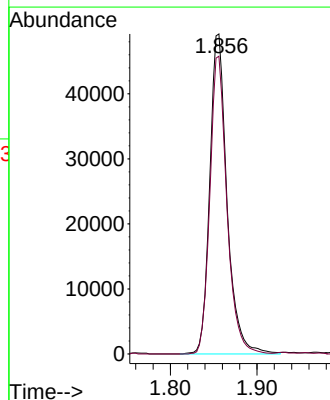
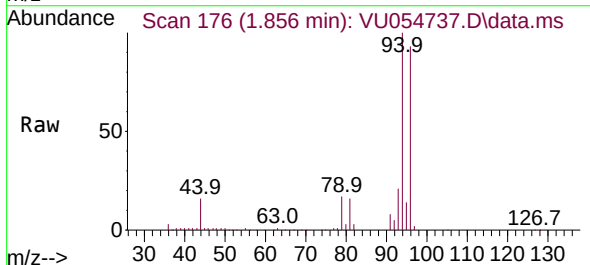
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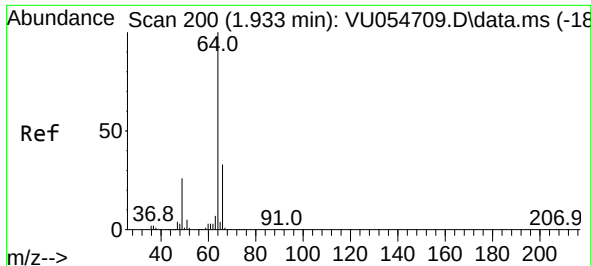
Tgt Ion: 94 Resp: 68289

Ion Ratio Lower Upper

94 100

96 93.1 63.6 118.2

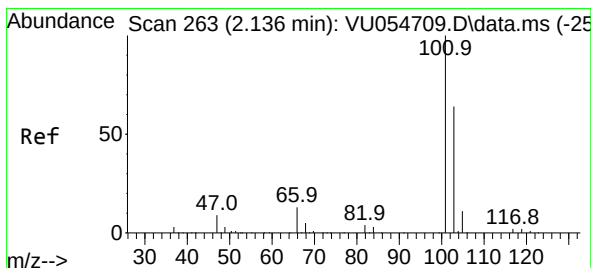
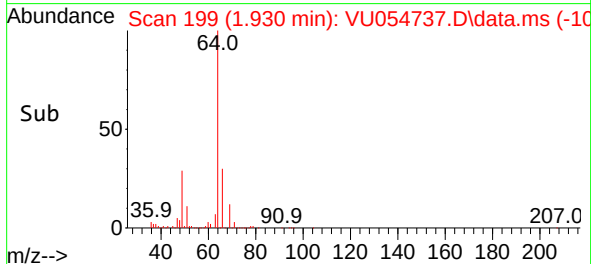
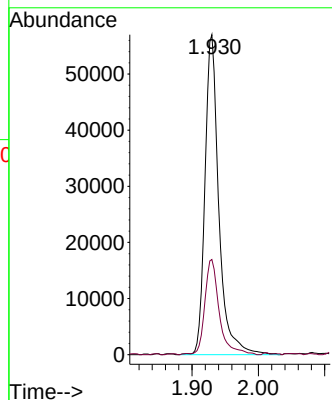
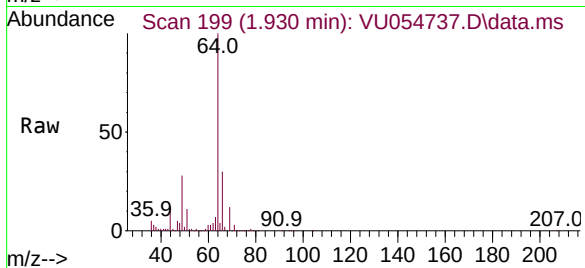




#8
Chloroethane
Concen: 4.511 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.003 min
Lab File: VU054737.D
Acq: 03 Jul 2023 09:49

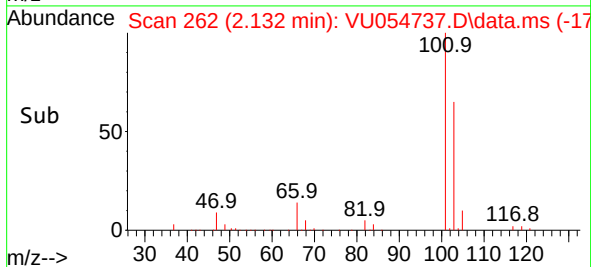
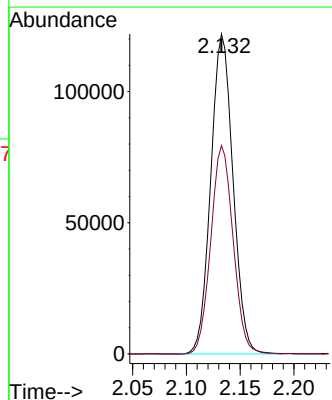
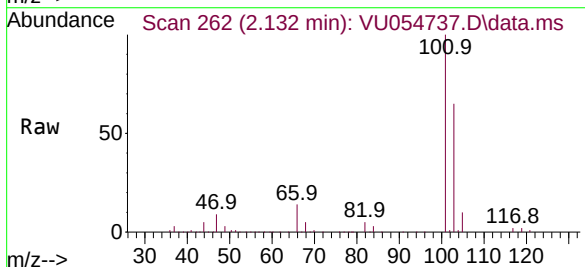
Instrument :
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ClientSampleId :
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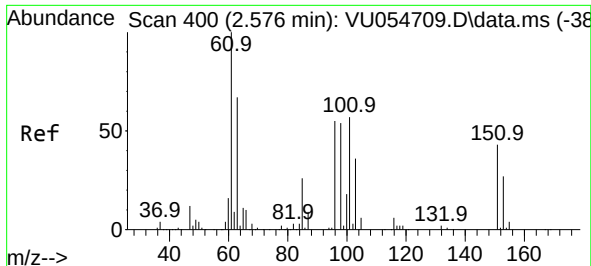
Tgt Ion: 64 Resp: 82727
Ion Ratio Lower Upper
64 100
66 29.8 22.9 42.5



#9
Trichlorofluoromethane
Concen: 4.660 ug/L
RT: 2.132 min Scan# 262
Delta R.T. -0.003 min
Lab File: VU054737.D
Acq: 03 Jul 2023 09:49

Tgt Ion: 101 Resp: 175300
Ion Ratio Lower Upper
101 100
103 65.4 50.6 75.8

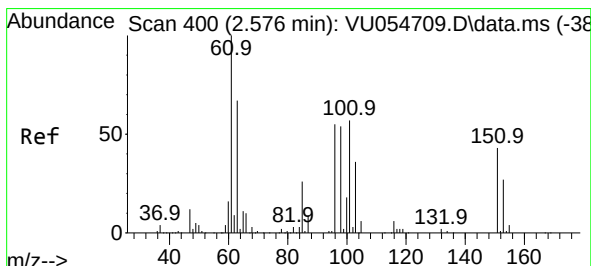
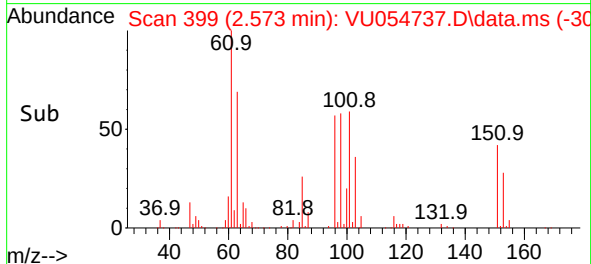
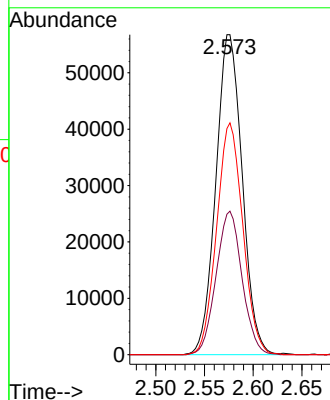
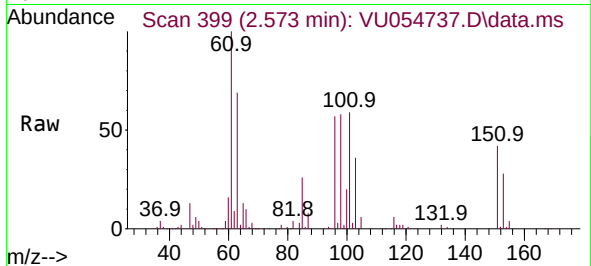




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.855 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.003 min
 Lab File: VU054737.D
 Acq: 03 Jul 2023 09:49

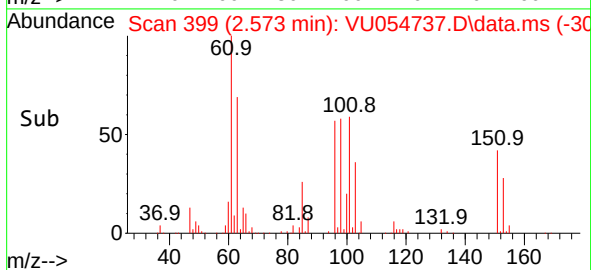
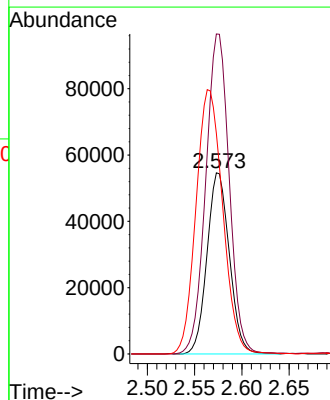
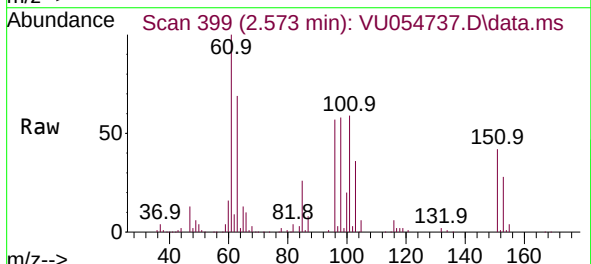
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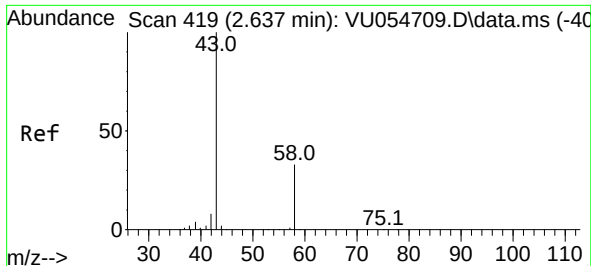
Tgt Ion:101 Resp: 106840
 Ion Ratio Lower Upper
 101 100
 85 44.2 34.6 51.8
 151 72.0 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 4.458 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.003 min
 Lab File: VU054737.D
 Acq: 03 Jul 2023 09:49

Tgt Ion: 96 Resp: 89789
 Ion Ratio Lower Upper
 96 100
 61 176.6 119.9 222.7
 63 121.8 64.3 119.3#





#13

Acetone

Concen: 47.127 ug/L

RT: 2.637 min Scan# 419

Delta R.T. 0.000 min

Lab File: VU054737.D

Acq: 03 Jul 2023 09:49

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ClientSampleId :

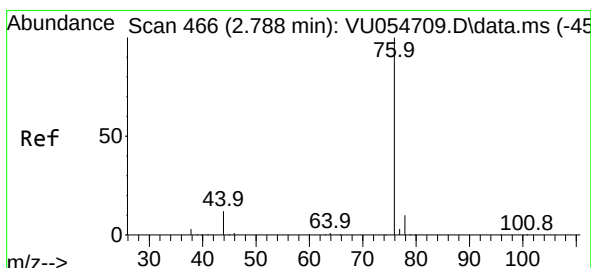
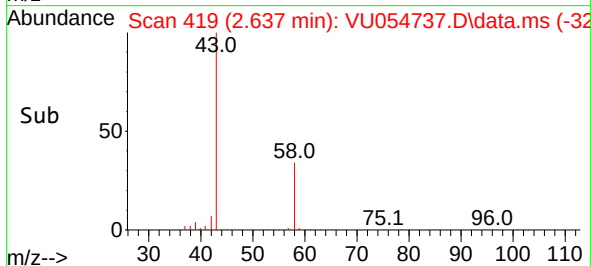
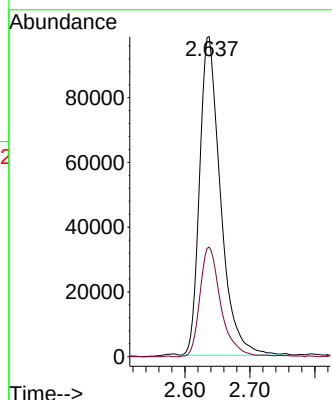
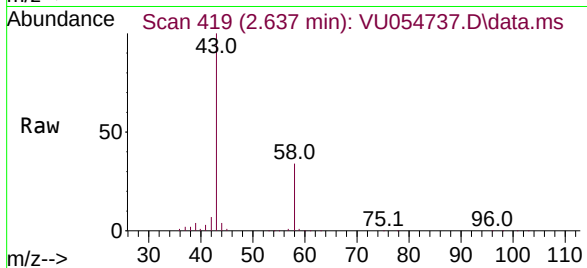
VSTD005086

Tgt Ion: 43 Resp: 220804

Ion Ratio Lower Upper

43 100

58 34.2 0.0 67.2



#14

Carbon disulfide

Concen: 3.545 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU054737.D

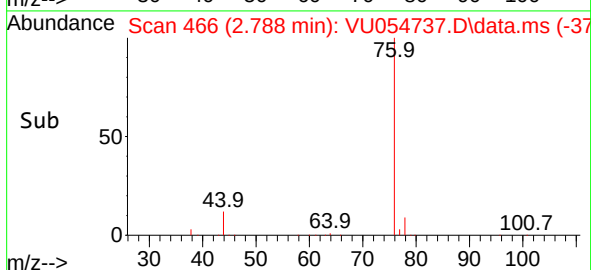
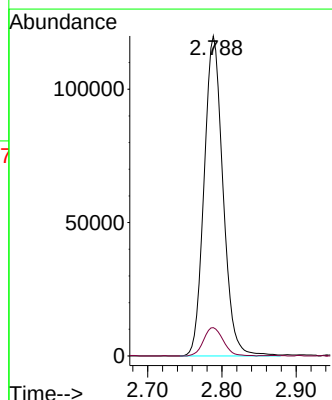
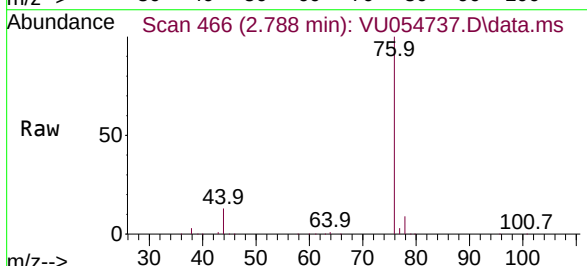
Acq: 03 Jul 2023 09:49

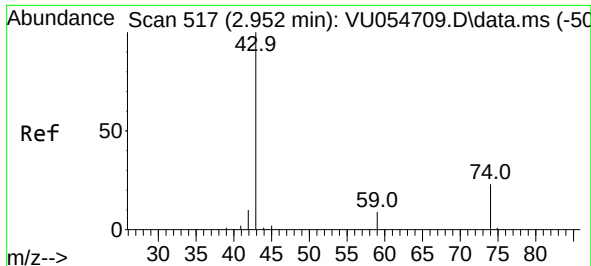
Tgt Ion: 76 Resp: 211729

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0

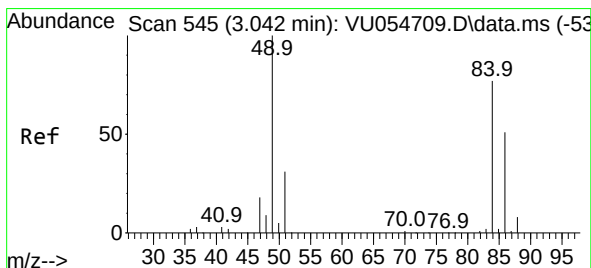
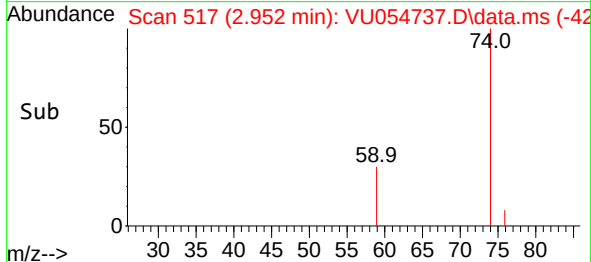
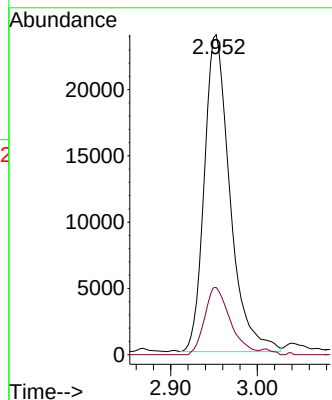
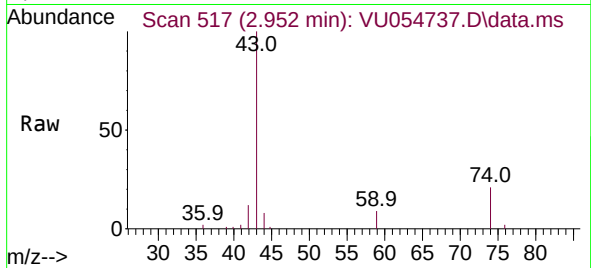




#15
Methyl Acetate
Concen: 5.674 ug/L
RT: 2.952 min Scan# 517
Delta R.T. 0.000 min
Lab File: VU054737.D
Acq: 03 Jul 2023 09:49

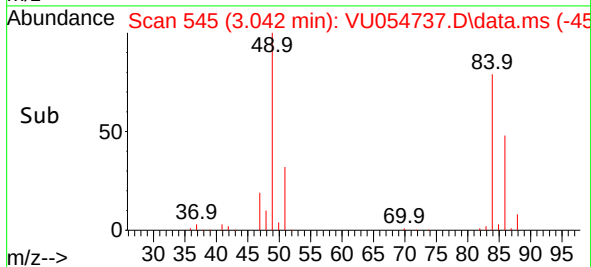
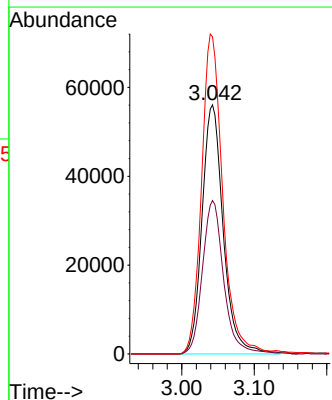
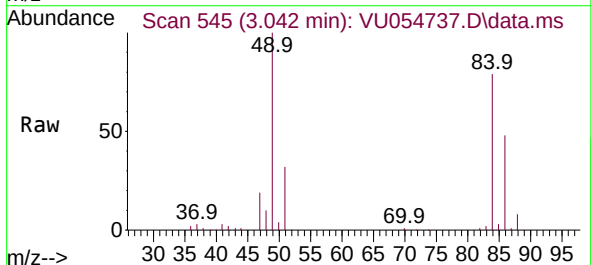
Instrument :
MSVOA_U
ClientSampleId :
VSTD005086

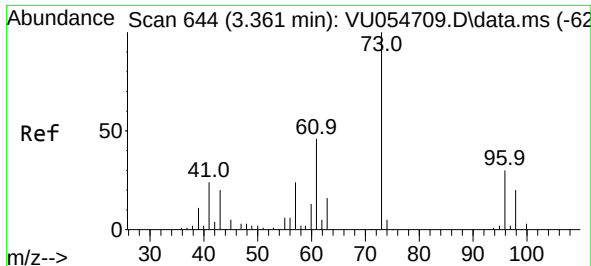
Tgt Ion: 43 Resp: 49264
Ion Ratio Lower Upper
43 100
74 21.2 19.0 28.6



#16
Methylene chloride
Concen: 4.026 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.000 min
Lab File: VU054737.D
Acq: 03 Jul 2023 09:49

Tgt Ion: 84 Resp: 114027
Ion Ratio Lower Upper
84 100
86 61.6 43.9 81.5
49 127.3 86.1 159.9

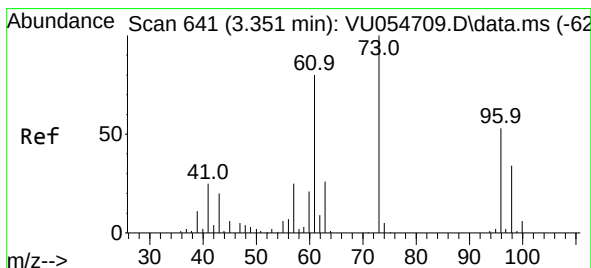
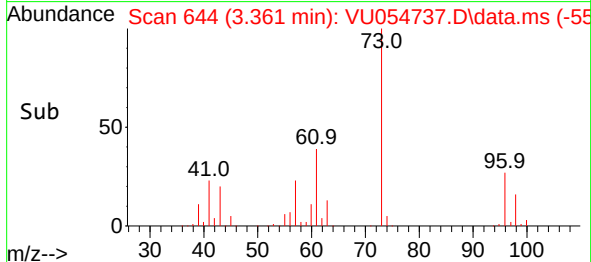
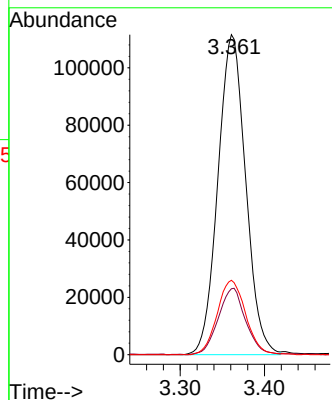
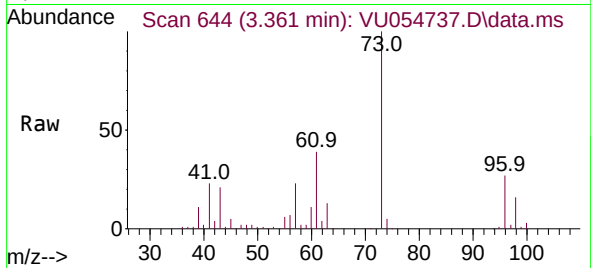




#17
Methyl tert-butyl Ether
Concen: 5.127 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU054737.D
Acq: 03 Jul 2023 09:49

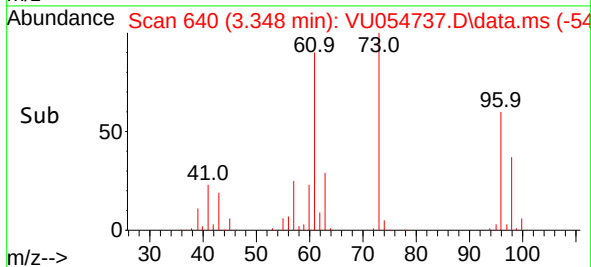
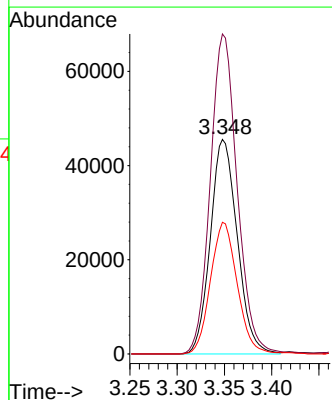
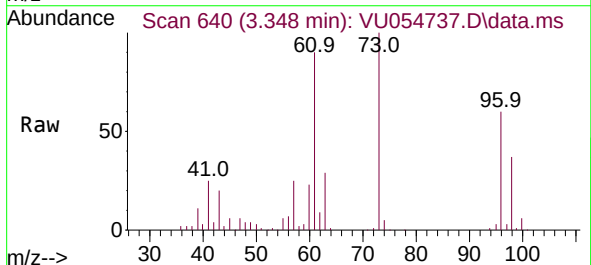
Instrument :
MSVOA_U
ClientSampleId :
VSTD005086

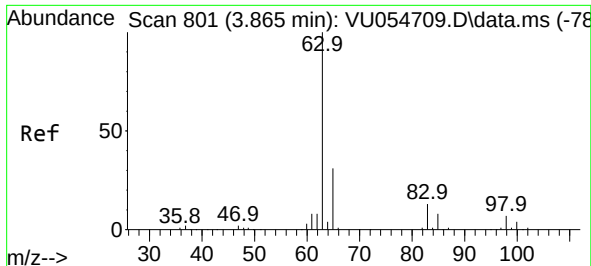
Tgt Ion: 73 Resp: 254889
Ion Ratio Lower Upper
73 100
43 20.6 15.7 23.5
57 23.8 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 4.343 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.003 min
Lab File: VU054737.D
Acq: 03 Jul 2023 09:49

Tgt Ion: 96 Resp: 90324
Ion Ratio Lower Upper
96 100
61 149.1 104.6 194.2
98 61.4 45.4 84.4





#19

1,1-Dichloroethane

Concen: 4.922 ug/L

RT: 3.862 min Scan# 801

Delta R.T. -0.003 min

Lab File: VU054737.D

Acq: 03 Jul 2023 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD005086

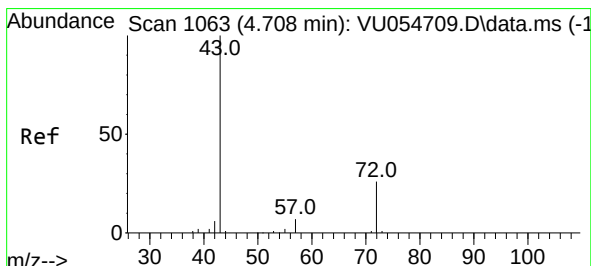
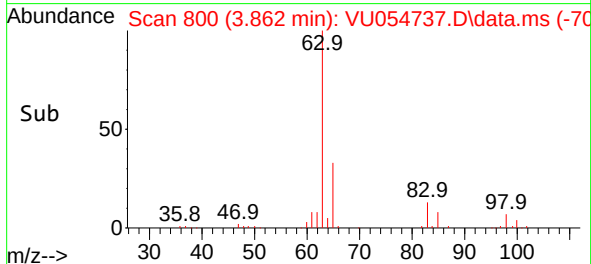
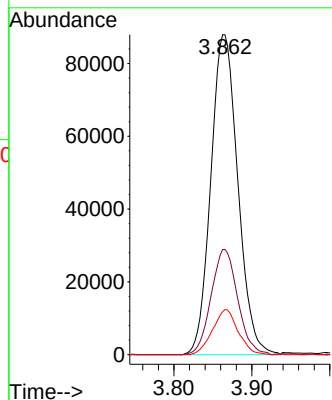
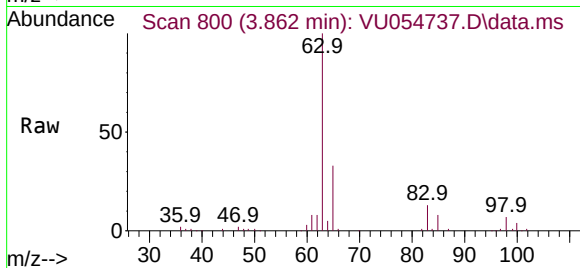
Tgt Ion: 63 Resp: 211816

Ion Ratio Lower Upper

63 100

65 32.8 22.2 41.2

83 13.5 9.0 16.6



#21

2-Butanone

Concen: 55.116 ug/L

RT: 4.705 min Scan# 1062

Delta R.T. -0.003 min

Lab File: VU054737.D

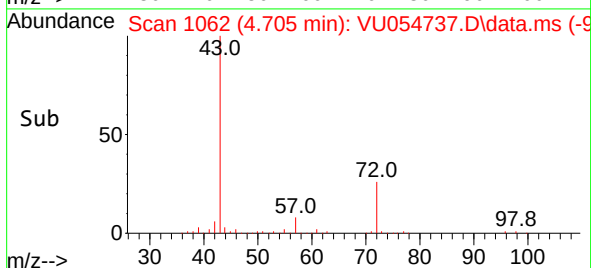
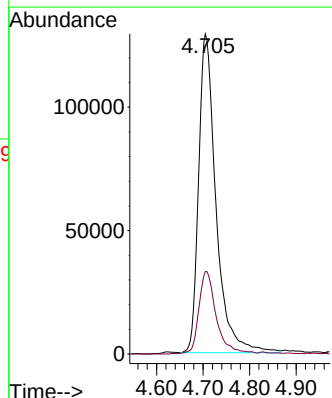
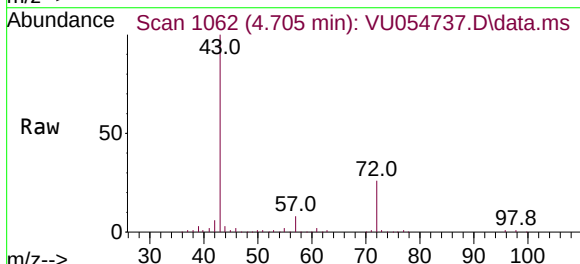
Acq: 03 Jul 2023 09:49

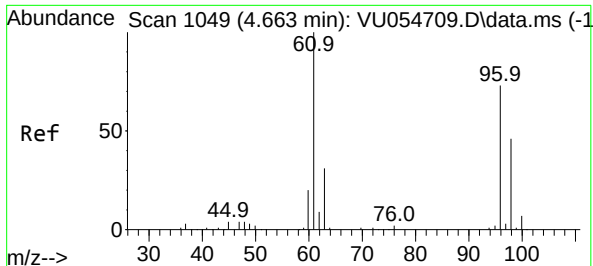
Tgt Ion: 43 Resp: 335140

Ion Ratio Lower Upper

43 100

72 25.8 13.4 40.1

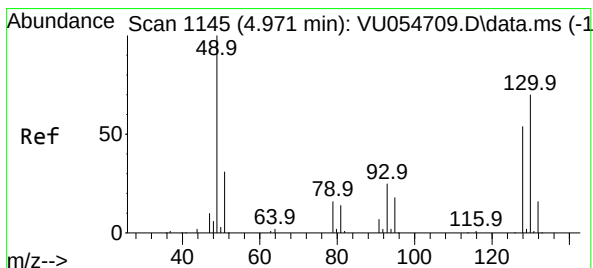
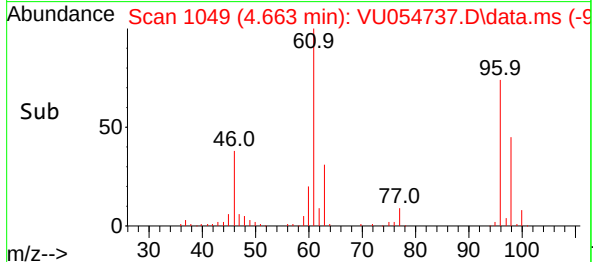
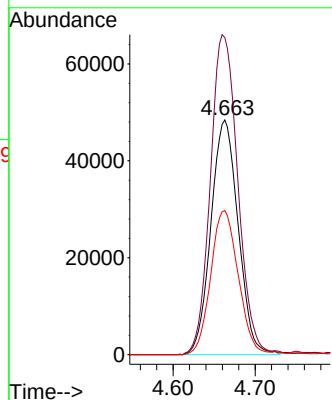
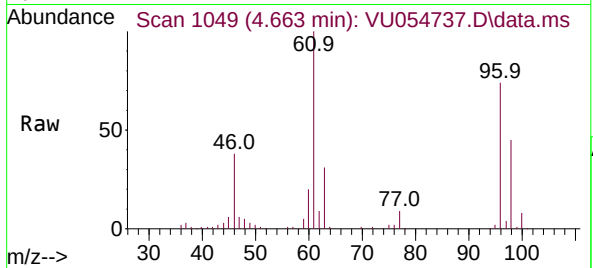




#22
 cis-1,2-Dichloroethene
 Concen: 4.732 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.000 min
 Lab File: VU054737.D
 Acq: 03 Jul 2023 09:49

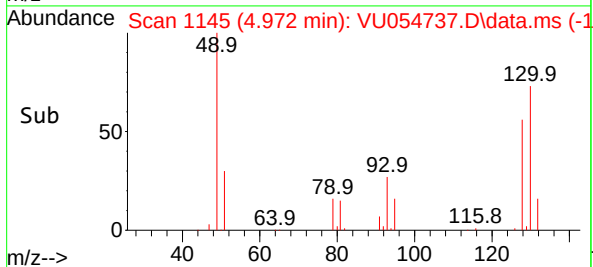
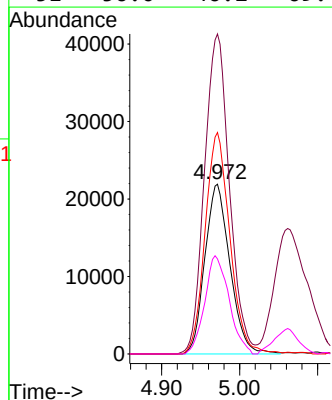
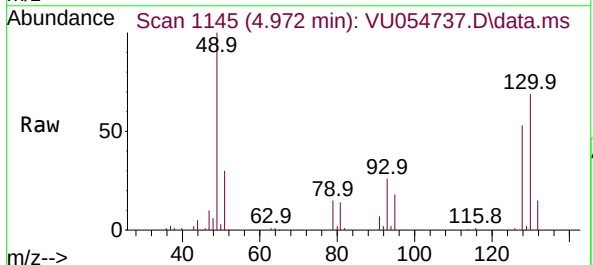
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005086

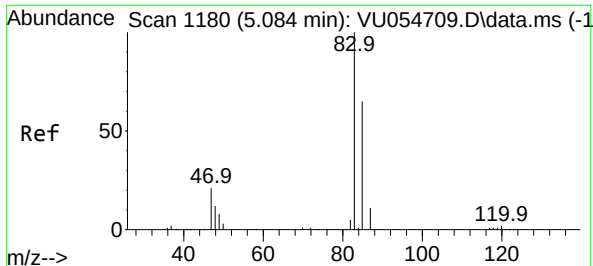
Tgt Ion: 96	Resp: 112055
Ion Ratio	Lower Upper
96 100	
61 135.2	96.5 179.1
98 61.4	44.9 83.3



#23
 Bromochloromethane
 Concen: 4.977 ug/L
 RT: 4.972 min Scan# 1145
 Delta R.T. 0.000 min
 Lab File: VU054737.D
 Acq: 03 Jul 2023 09:49

Tgt Ion: 128	Resp: 49052
Ion Ratio	Lower Upper
128 100	
49 188.5	132.1 245.3
130 130.4	91.5 169.9
51 56.0	46.2 69.4





#25

Chloroform

Concen: 5.070 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VU054737.D

Acq: 03 Jul 2023 09:49

Instrument :

MSVOA_U

ClientSampleId :

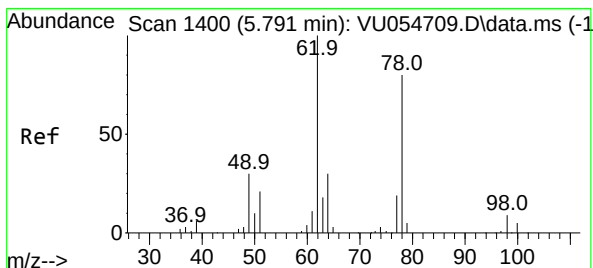
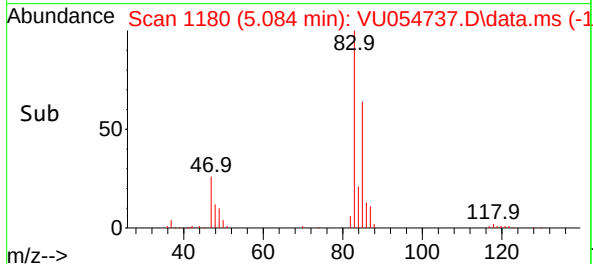
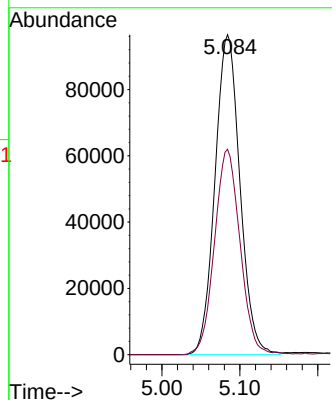
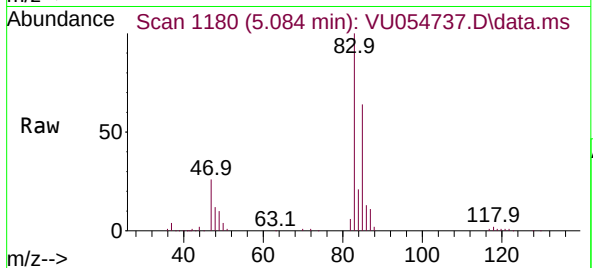
VSTD005086

Tgt Ion: 83 Resp: 215107

Ion Ratio Lower Upper

83 100

85 64.2 44.7 82.9



#27

1,2-Dichloroethane

Concen: 5.222 ug/L

RT: 5.792 min Scan# 1400

Delta R.T. 0.000 min

Lab File: VU054737.D

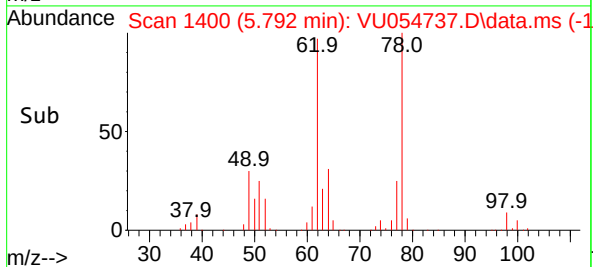
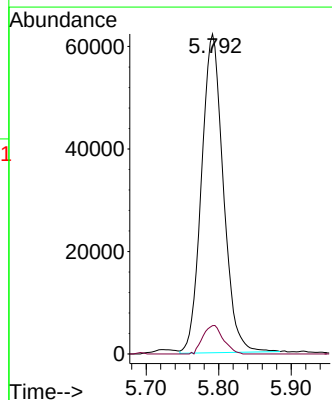
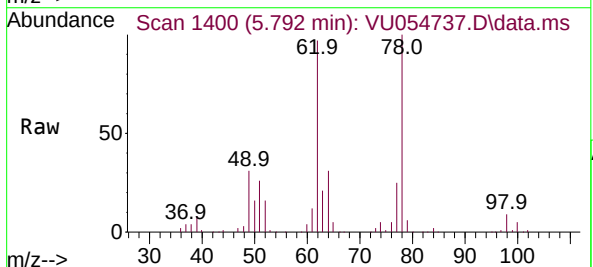
Acq: 03 Jul 2023 09:49

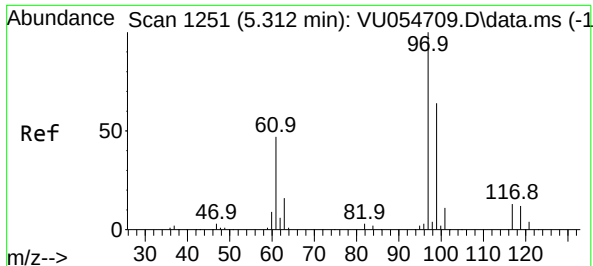
Tgt Ion: 62 Resp: 129877

Ion Ratio Lower Upper

62 100

98 8.9 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 4.865 ug/L

RT: 5.312 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054737.D

Acq: 03 Jul 2023 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD005086

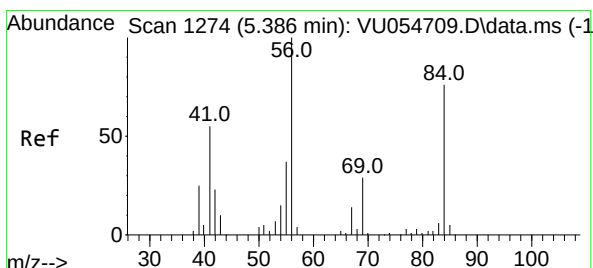
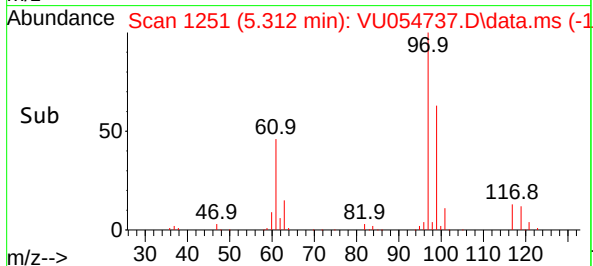
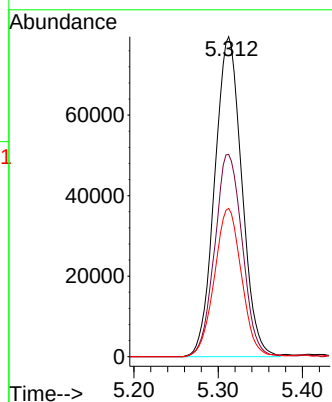
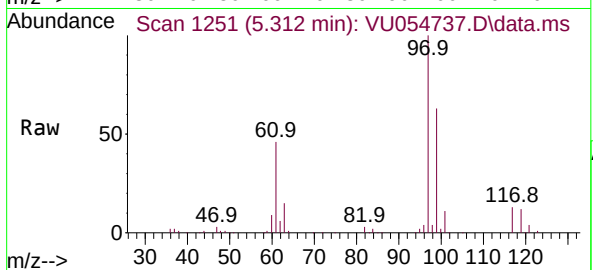
Tgt Ion: 97 Resp: 177479

Ion Ratio Lower Upper

97 100

99 64.4 50.8 76.2

61 46.4 36.1 54.1



#30

Cyclohexane

Concen: 3.804 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.003 min

Lab File: VU054737.D

Acq: 03 Jul 2023 09:49

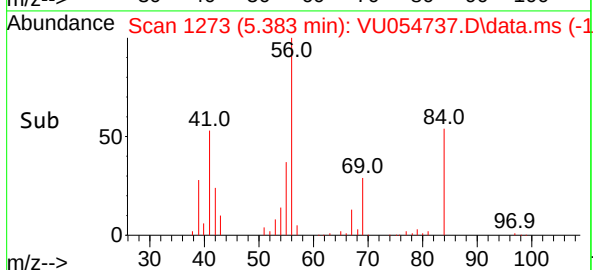
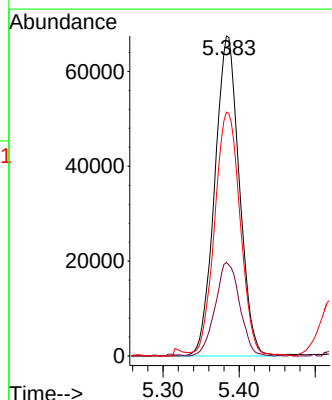
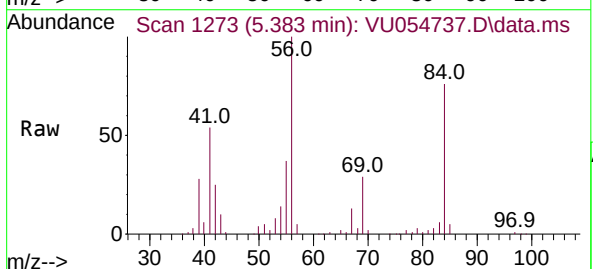
Tgt Ion: 56 Resp: 151145

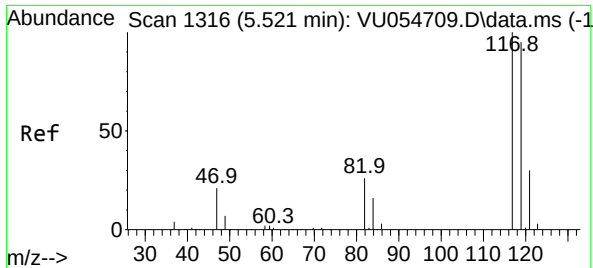
Ion Ratio Lower Upper

56 100

69 29.2 23.9 35.9

84 79.5 63.0 94.6

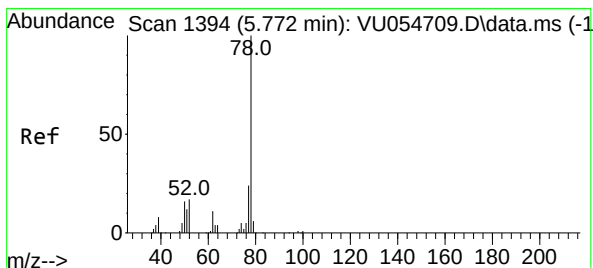
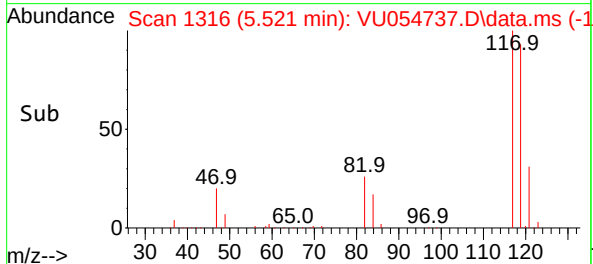
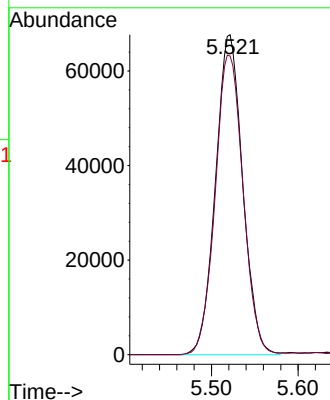
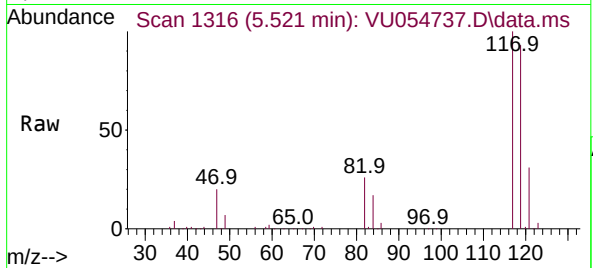




#31
Carbon tetrachloride
Concen: 4.681 ug/L
RT: 5.521 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU054737.D
Acq: 03 Jul 2023 09:49

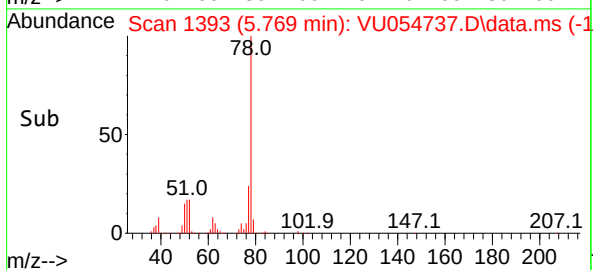
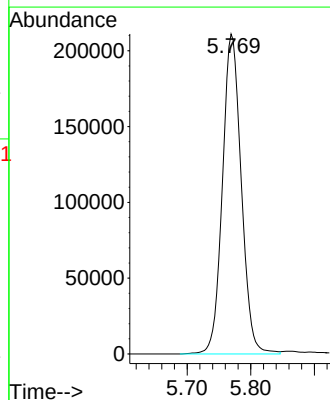
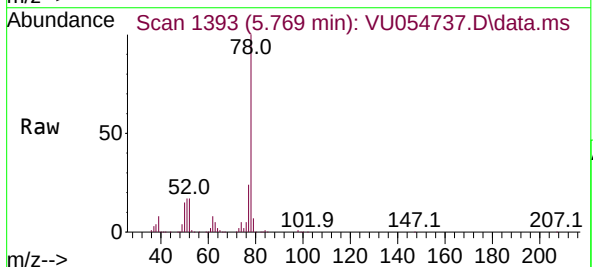
Instrument :
MSVOA_U
ClientSampleId :
VSTD005086

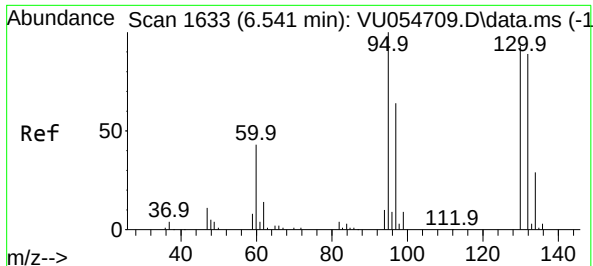
Tgt Ion:117 Resp: 147141
Ion Ratio Lower Upper
117 100
119 96.4 76.8 115.2



#33
Benzene
Concen: 4.493 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.003 min
Lab File: VU054737.D
Acq: 03 Jul 2023 09:49

Tgt Ion: 78 Resp: 434396

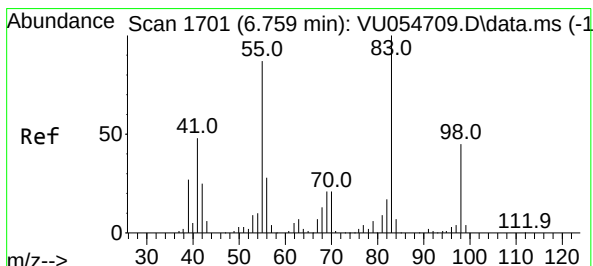
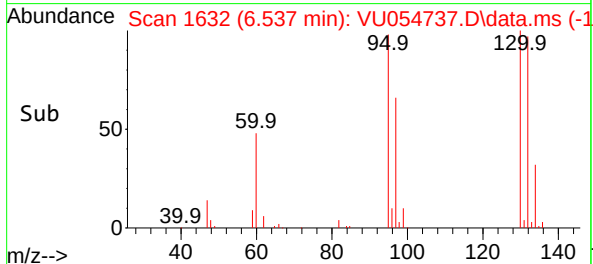
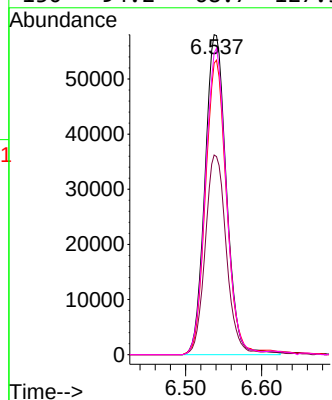
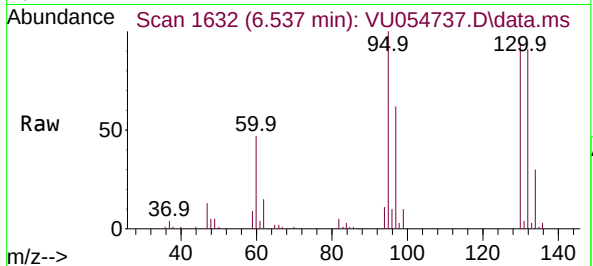




#34
Trichloroethene
Concen: 4.432 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU054737.D
Acq: 03 Jul 2023 09:49

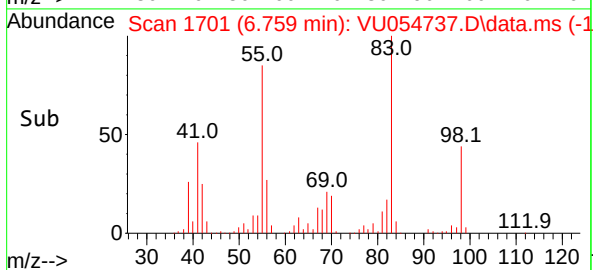
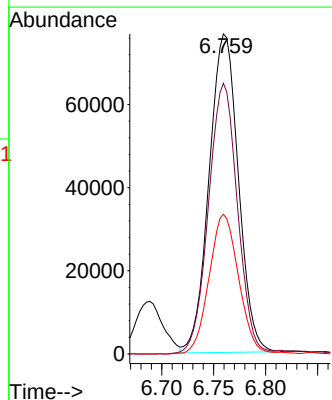
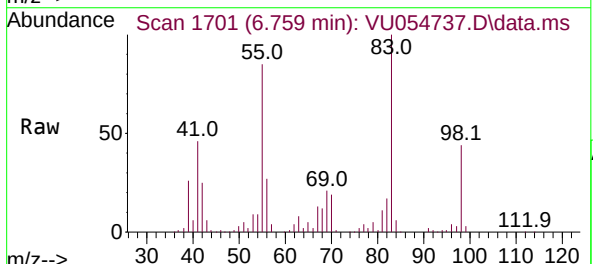
Instrument :
MSVOA_U
ClientSampleId :
VSTD005086

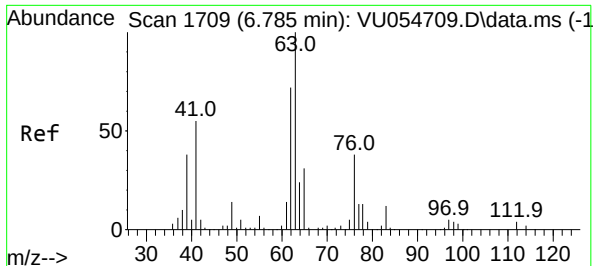
Tgt Ion: 95 Resp: 113319
Ion Ratio Lower Upper
95 100
97 62.4 46.8 87.0
132 91.0 68.4 127.0
130 94.2 68.7 127.5



#35
Methylcyclohexane
Concen: 3.880 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU054737.D
Acq: 03 Jul 2023 09:49

Tgt Ion: 83 Resp: 149933
Ion Ratio Lower Upper
83 100
55 84.3 67.1 100.7
98 44.4 35.1 52.7





#37

1,2-Dichloropropane

Concen: 4.818 ug/L

RT: 6.788 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU054737.D

Acq: 03 Jul 2023 09:49

Instrument :

MSVOA_U

ClientSampleId :

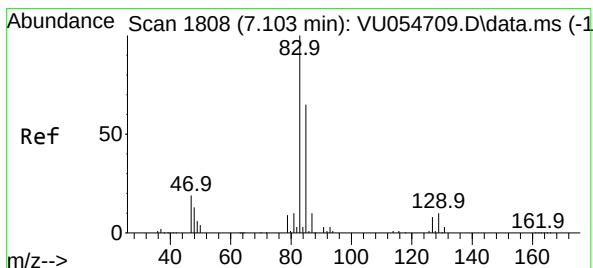
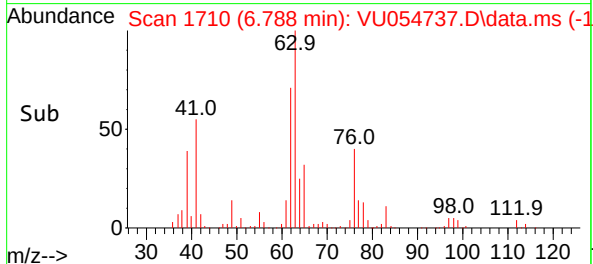
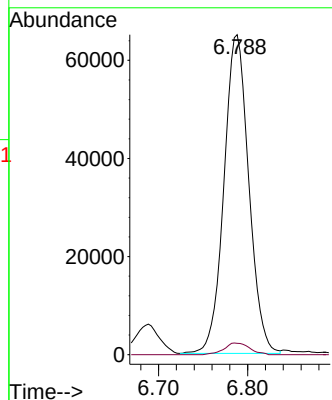
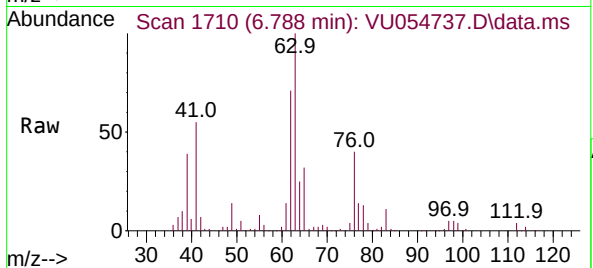
VSTD005086

Tgt Ion: 63 Resp: 125957

Ion Ratio Lower Upper

63 100

112 3.8 3.0 4.6



#38

Bromodichloromethane

Concen: 5.176 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.003 min

Lab File: VU054737.D

Acq: 03 Jul 2023 09:49

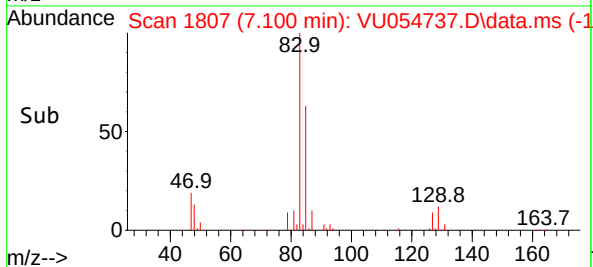
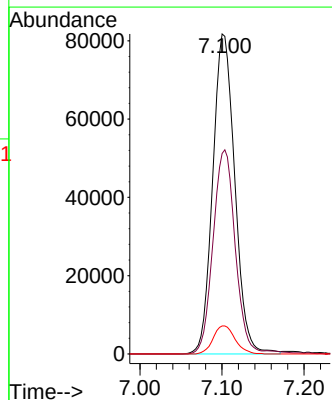
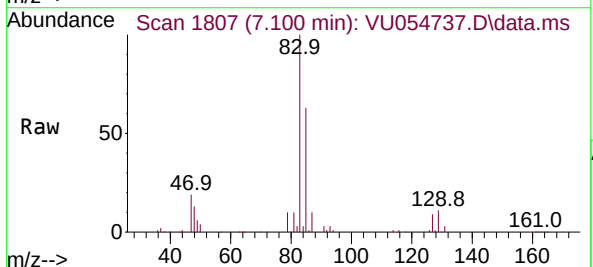
Tgt Ion: 83 Resp: 153171

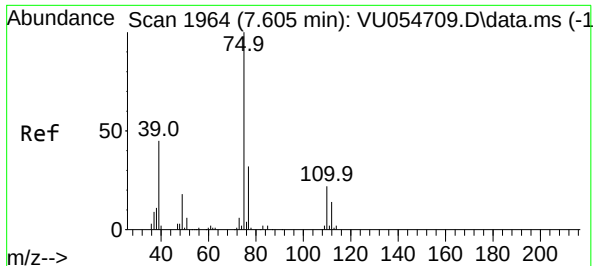
Ion Ratio Lower Upper

83 100

85 62.6 44.1 81.9

127 8.7 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 4.844 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VU054737.D

Acq: 03 Jul 2023 09:49

Instrument :

MSVOA_U

ClientSampleId :

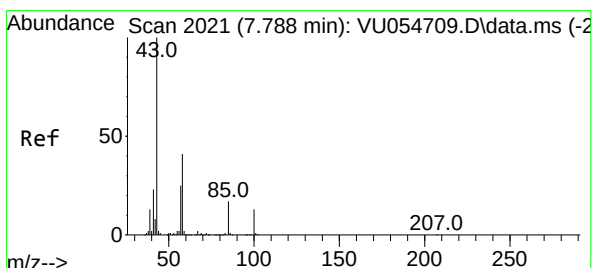
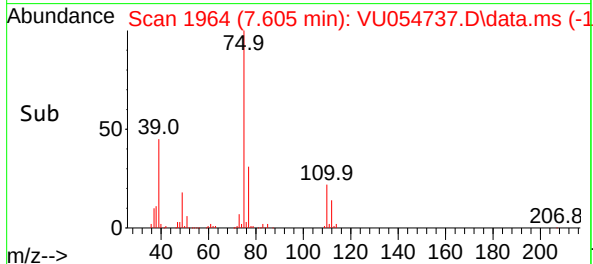
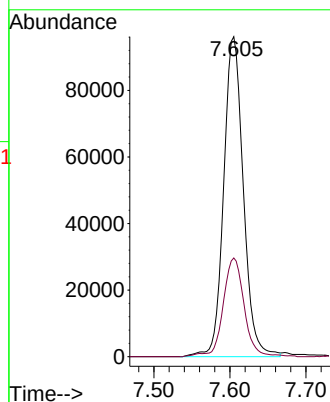
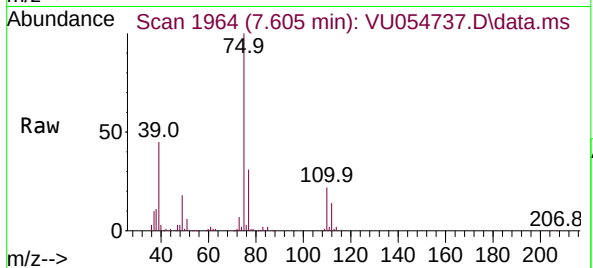
VSTD005086

Tgt Ion: 75 Resp: 172893

Ion Ratio Lower Upper

75 100

77 30.9 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 56.009 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.000 min

Lab File: VU054737.D

Acq: 03 Jul 2023 09:49

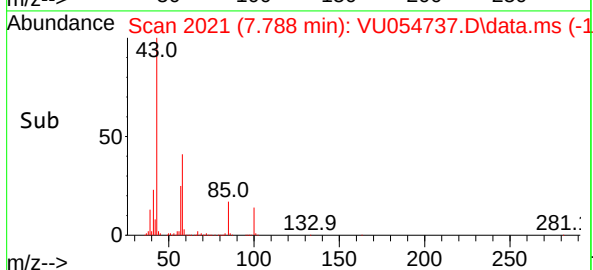
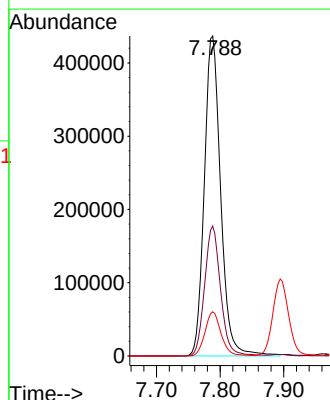
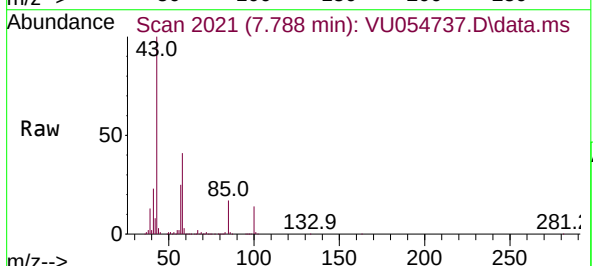
Tgt Ion: 43 Resp: 781389

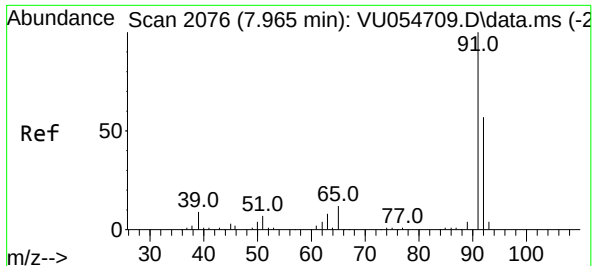
Ion Ratio Lower Upper

43 100

58 39.6 32.4 48.6

100 13.5 11.4 17.2





#42

Toluene

Concen: 4.669 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU054737.D

Acq: 03 Jul 2023 09:49

Instrument :

MSVOA_U

ClientSampleId :

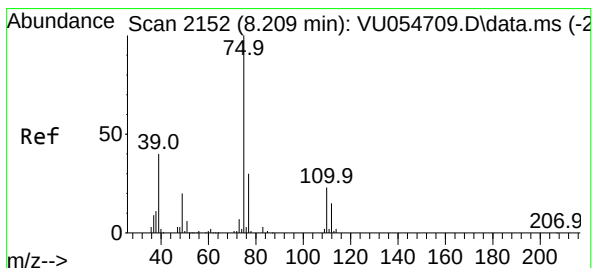
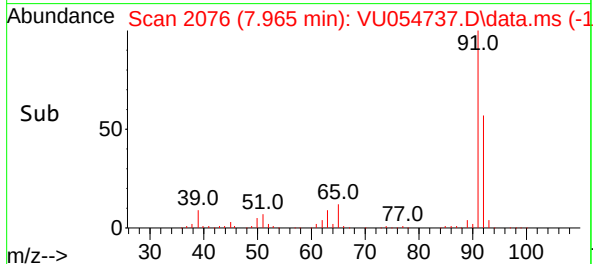
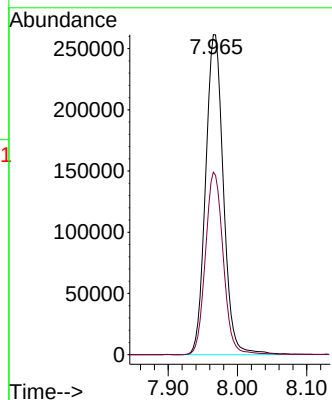
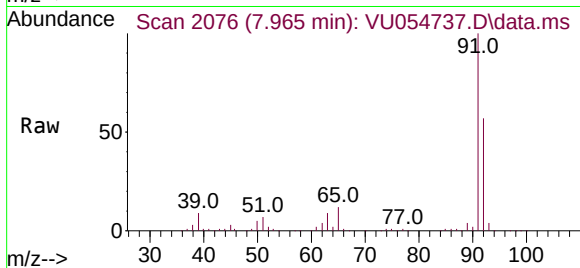
VSTD005086

Tgt Ion: 91 Resp: 464930

Ion Ratio Lower Upper

91 100

92 57.1 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 5.138 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.003 min

Lab File: VU054737.D

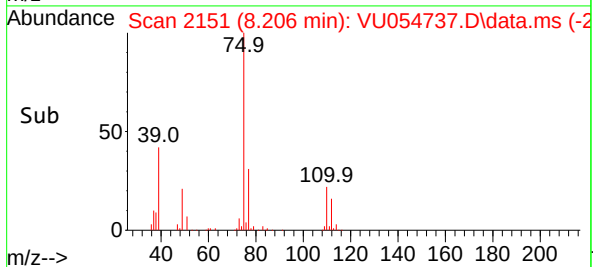
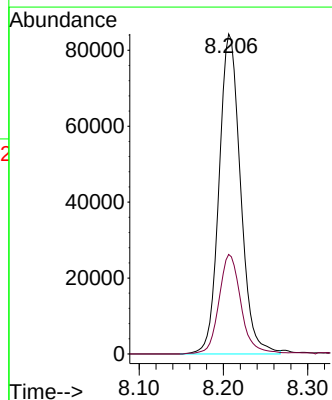
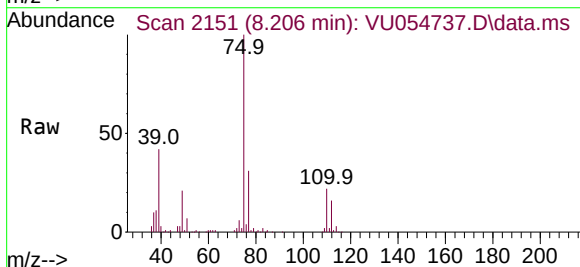
Acq: 03 Jul 2023 09:49

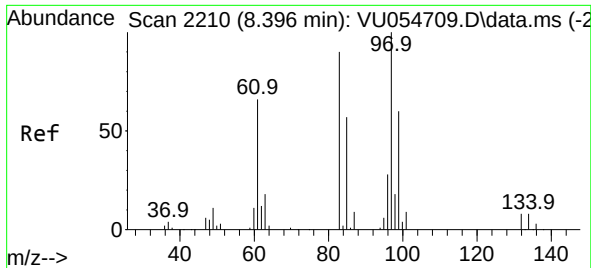
Tgt Ion: 75 Resp: 148840

Ion Ratio Lower Upper

75 100

77 31.1 21.3 39.6

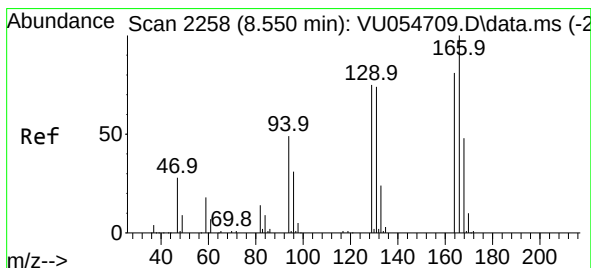
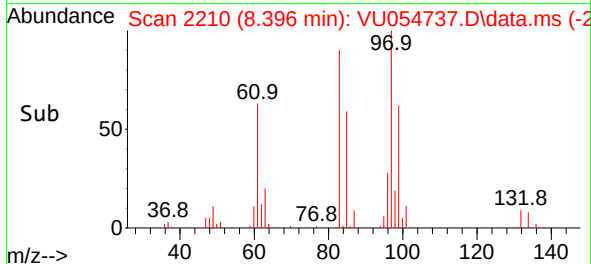
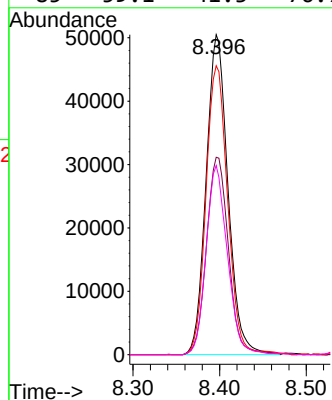
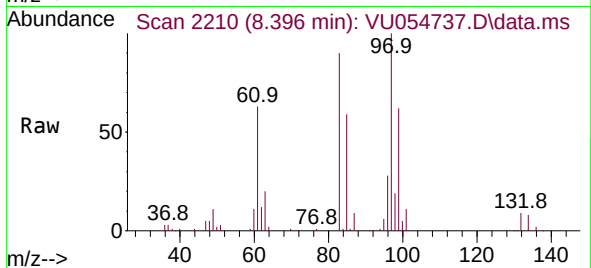




#45
1,1,2-Trichloroethane
Concen: 5.328 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. 0.000 min
Lab File: VU054737.D
Acq: 03 Jul 2023 09:49

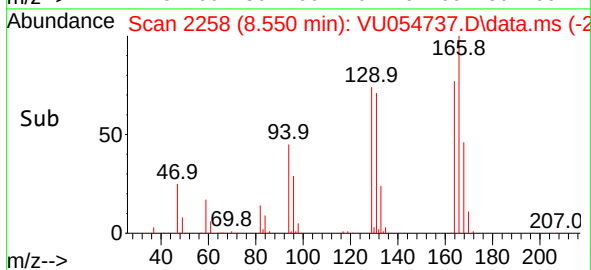
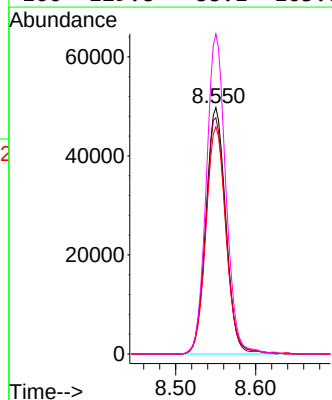
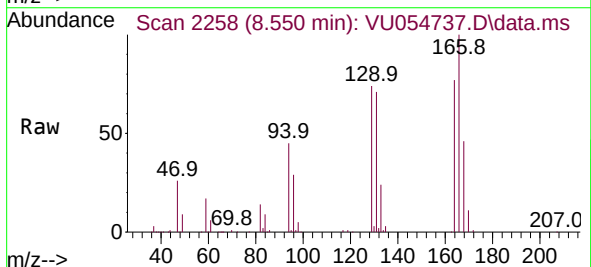
Instrument :
MSVOA_U
ClientSampleId :
VSTD005086

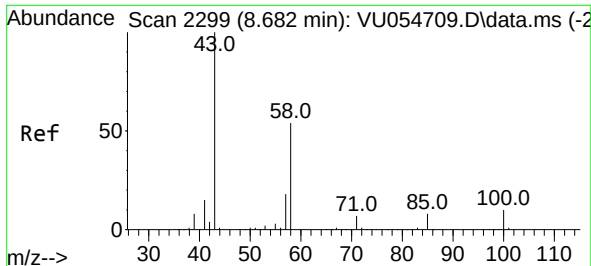
Tgt Ion: 97	Resp: 88615
Ion Ratio	Lower Upper
97 100	
99 61.7	43.0 80.0
83 90.3	63.8 118.6
85 59.1	41.3 76.7



#47
Tetrachloroethene
Concen: 4.422 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU054737.D
Acq: 03 Jul 2023 09:49

Tgt	Ion:164	Resp:	86541
Ion	Ratio	Lower	Upper
164	100		
129	95.8	67.7	125.7
131	92.2	64.6	120.0
166	129.8	88.1	163.7

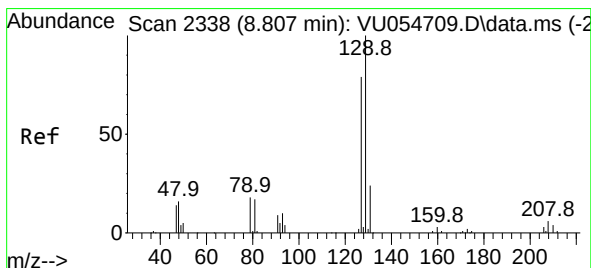
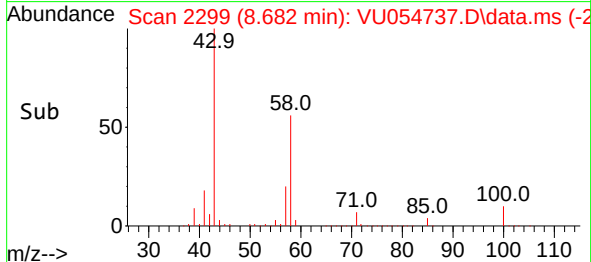
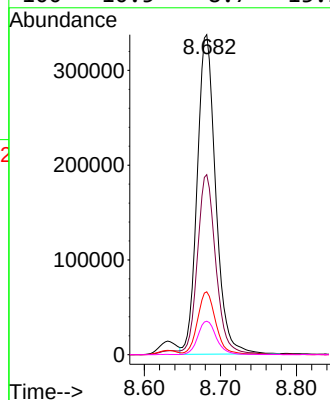
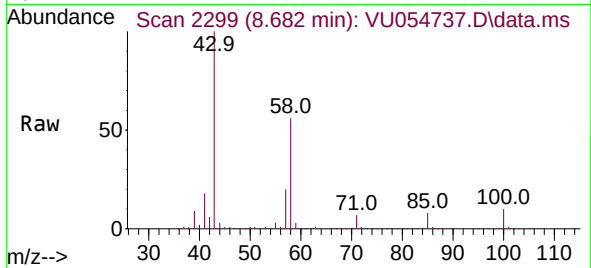




#48
2-Hexanone
Concen: 54.968 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054737.D
Acq: 03 Jul 2023 09:49

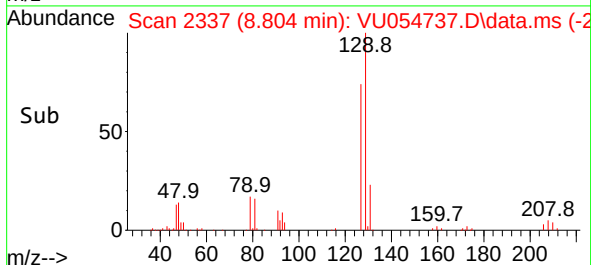
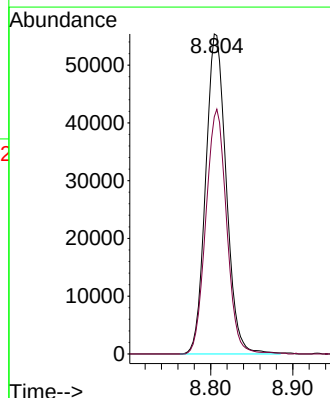
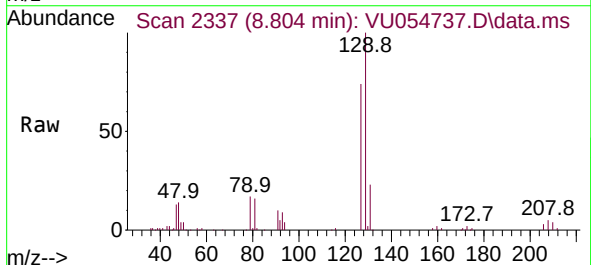
Instrument :
MSVOA_U
ClientSampleId :
VSTD005086

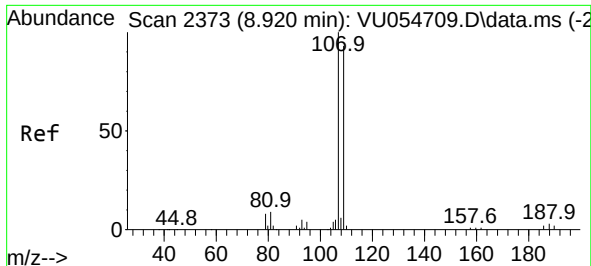
Tgt Ion:	43	Resp:	571401
Ion	Ratio	Lower	Upper
43	100		
58	56.1	45.2	67.8
57	19.4	15.8	23.6
100	10.5	8.7	13.1



#49
Dibromochloromethane
Concen: 5.515 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.003 min
Lab File: VU054737.D
Acq: 03 Jul 2023 09:49

Tgt Ion:	129	Resp:	96303
Ion	Ratio	Lower	Upper
129	100		
127	74.1	53.2	98.8

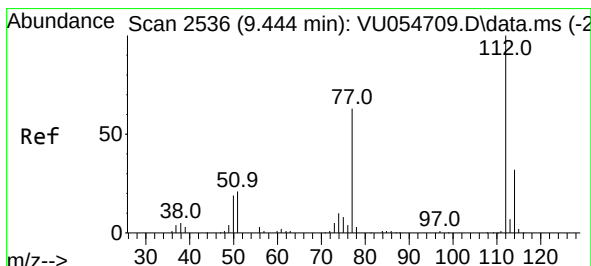
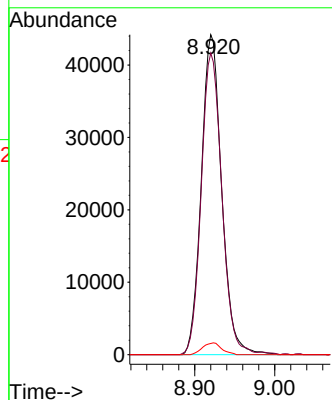
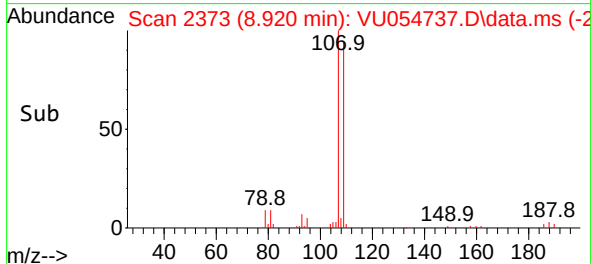
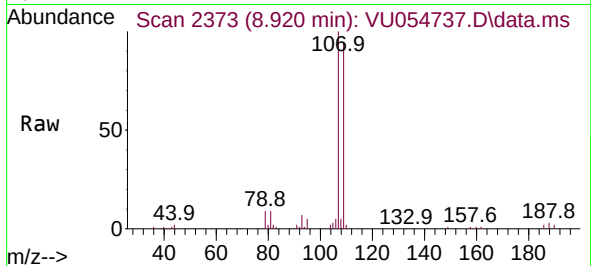




#50
1,2-Dibromoethane
Concen: 5.132 ug/L
RT: 8.920 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054737.D
Acq: 03 Jul 2023 09:49

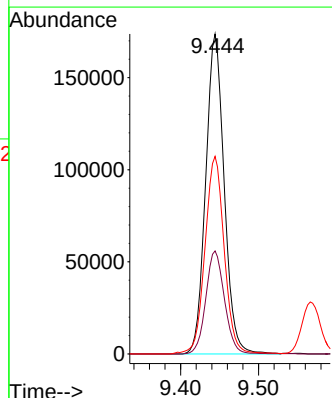
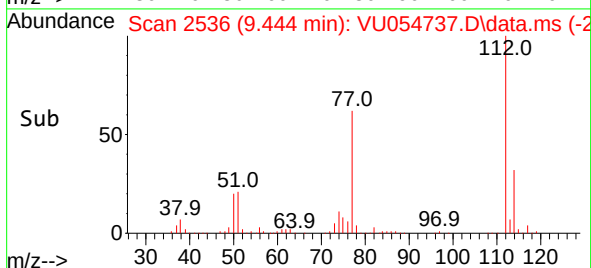
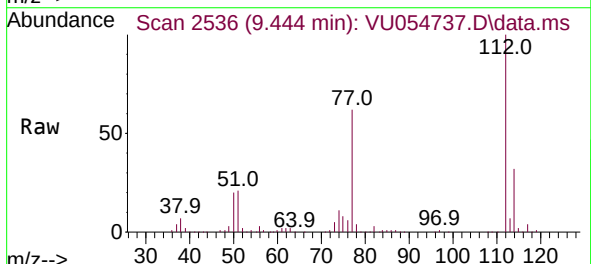
Instrument :
MSVOA_U
ClientSampleId :
VSTD005086

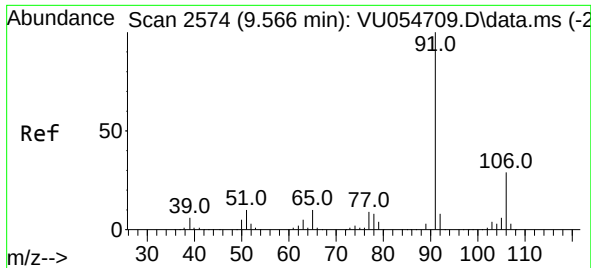
Tgt Ion:	107	Resp:	78356
Ion	Ratio	Lower	Upper
107	100		
109	94.3	66.6	123.6
188	3.5	3.1	4.7



#51
Chlorobenzene
Concen: 4.616 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.000 min
Lab File: VU054737.D
Acq: 03 Jul 2023 09:49

Tgt Ion:	112	Resp:	286524
Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.7	42.1
77	61.7	49.8	74.8

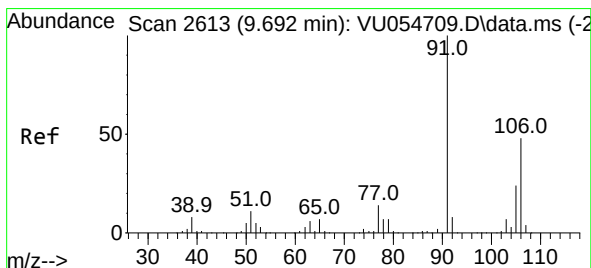
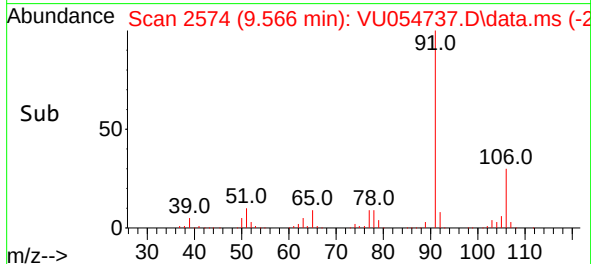
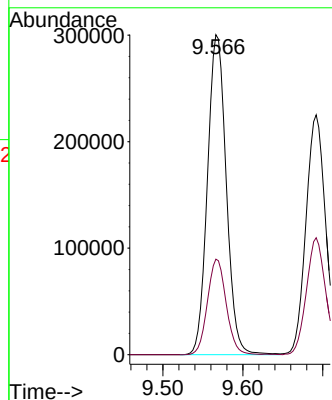
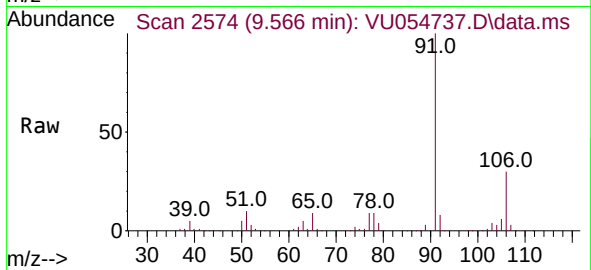




#52
Ethylbenzene
Concen: 4.524 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054737.D
Acq: 03 Jul 2023 09:49

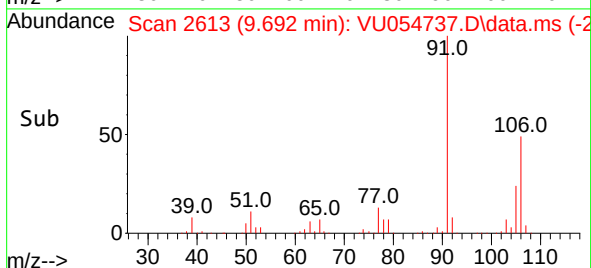
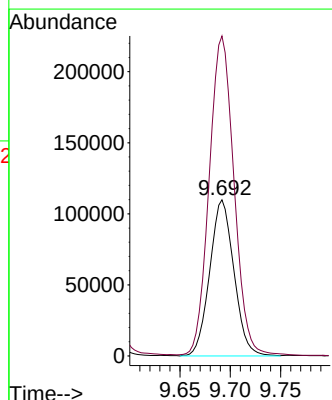
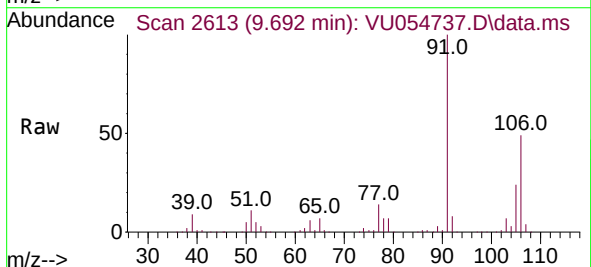
Instrument :
MSVOA_U
ClientSampleId :
VSTD005086

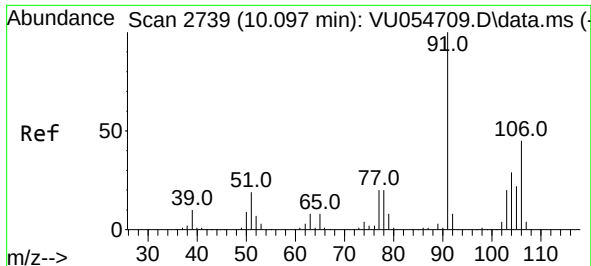
Tgt Ion: 91 Resp: 491904
Ion Ratio Lower Upper
91 100
106 29.8 21.1 39.3



#53
m,p-Xylene
Concen: 4.607 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU054737.D
Acq: 03 Jul 2023 09:49

Tgt Ion: 106 Resp: 184052
Ion Ratio Lower Upper
106 100
91 204.9 147.0 273.0

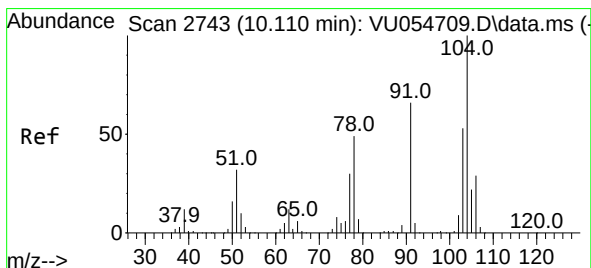
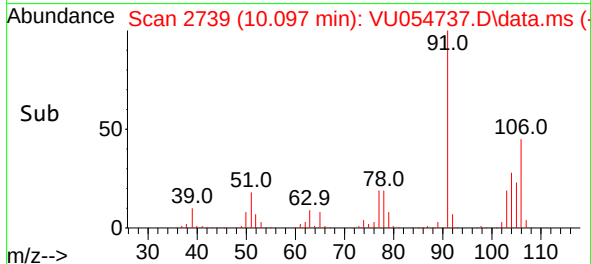
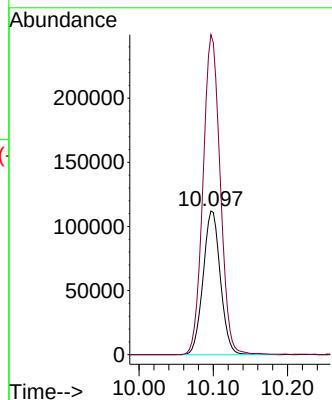
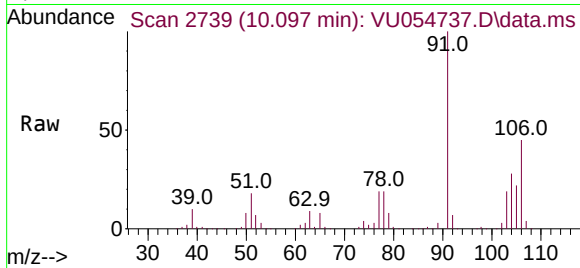




#54
o-Xylene
Concen: 4.694 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054737.D
Acq: 03 Jul 2023 09:49

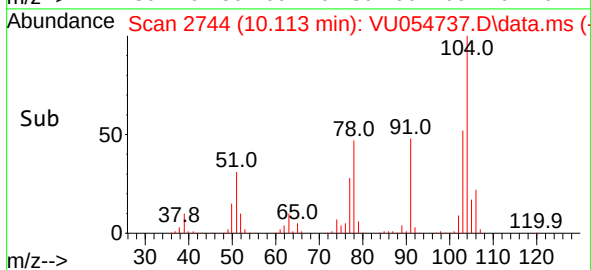
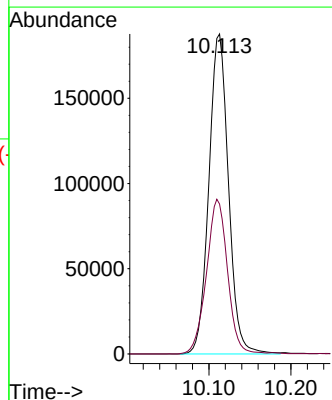
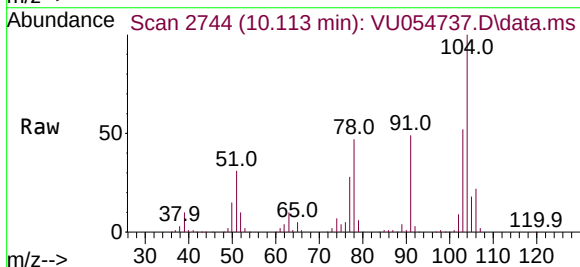
Instrument :
MSVOA_U
ClientSampleId :
VSTD005086

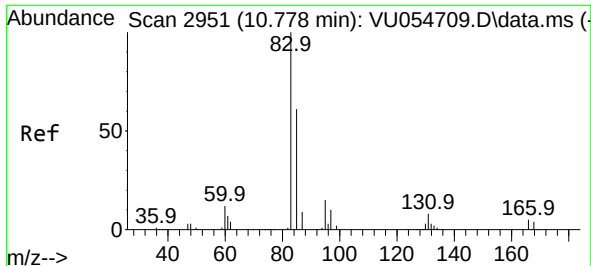
Tgt Ion:106 Resp: 181329
Ion Ratio Lower Upper
106 100
91 222.7 154.5 286.9



#55
Styrene
Concen: 4.813 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.003 min
Lab File: VU054737.D
Acq: 03 Jul 2023 09:49

Tgt Ion:104 Resp: 312045
Ion Ratio Lower Upper
104 100
78 46.8 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 5.422 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. 0.000 min

Lab File: VU054737.D

Acq: 03 Jul 2023 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD005086

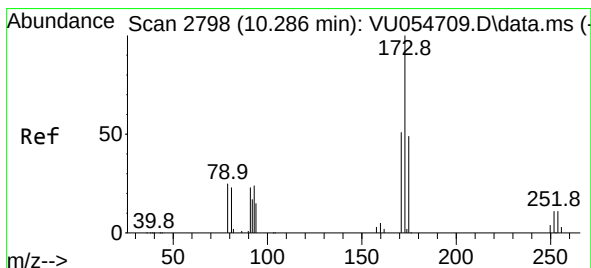
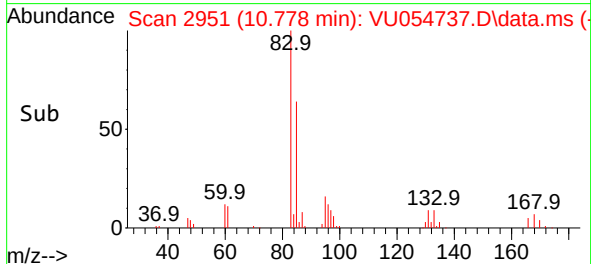
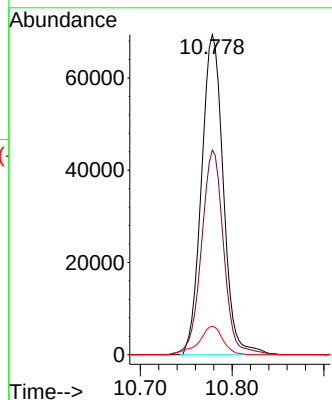
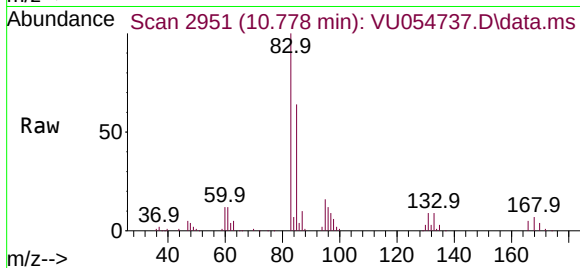
Tgt Ion: 83 Resp: 114543

Ion Ratio Lower Upper

83 100

85 63.9 44.2 82.2

131 8.9 7.0 10.6



#59

Bromoform

Concen: 5.872 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. 0.000 min

Lab File: VU054737.D

Acq: 03 Jul 2023 09:49

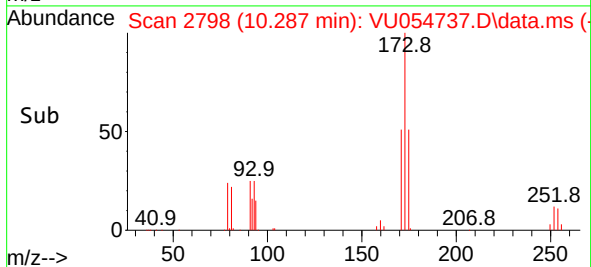
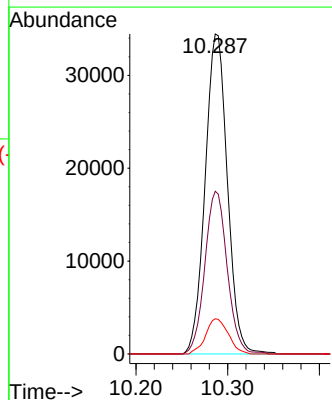
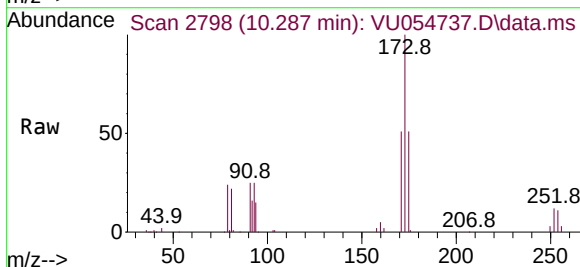
Tgt Ion:173 Resp: 58061

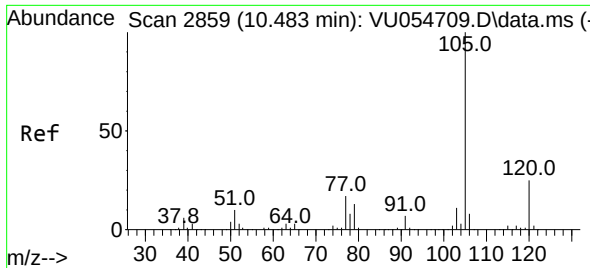
Ion Ratio Lower Upper

173 100

175 51.1 39.4 59.0

254 11.2 8.6 12.8

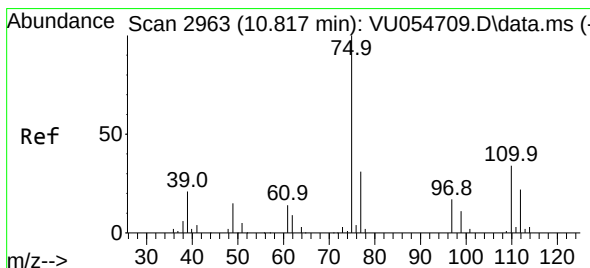
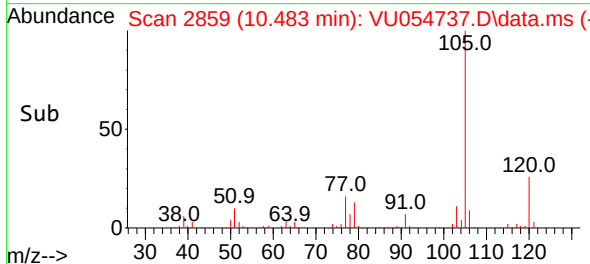
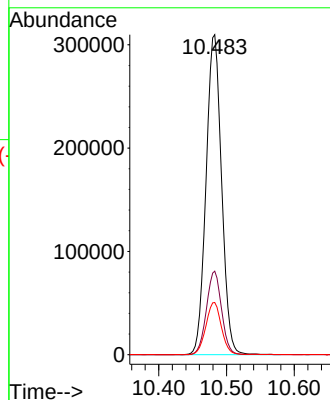
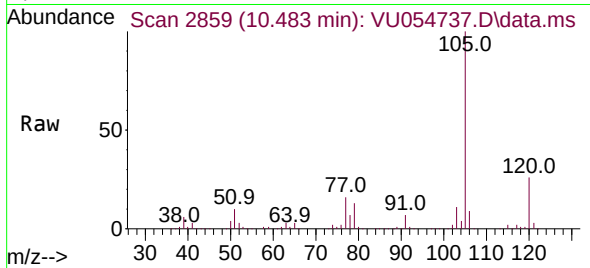




#60
Isopropylbenzene
Concen: 4.887 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. 0.000 min
Lab File: VU054737.D
Acq: 03 Jul 2023 09:49

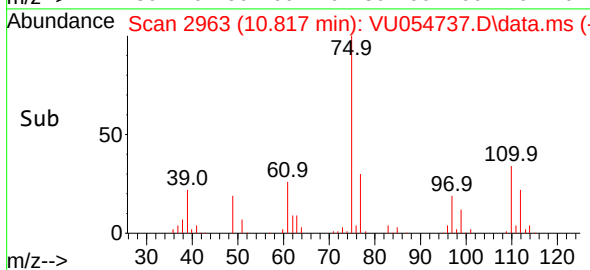
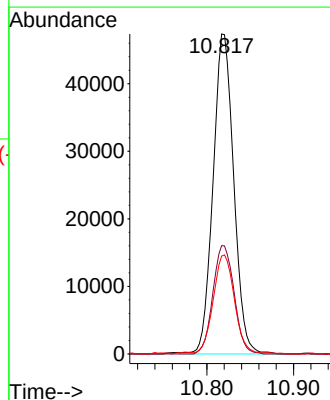
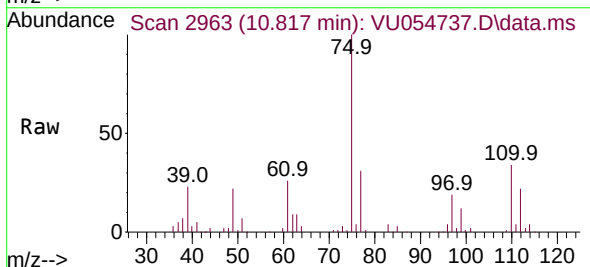
Instrument :
MSVOA_U
ClientSampleId :
VSTD005086

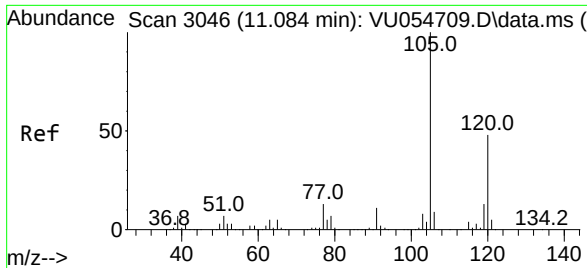
Tgt Ion:105 Resp: 492343
Ion Ratio Lower Upper
105 100
120 25.4 20.9 31.3
77 16.4 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 5.642 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU054737.D
Acq: 03 Jul 2023 09:49

Tgt Ion: 75 Resp: 78531
Ion Ratio Lower Upper
75 100
110 34.6 28.0 42.0
77 31.0 25.4 38.2

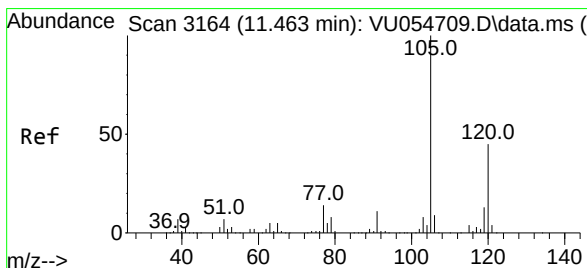
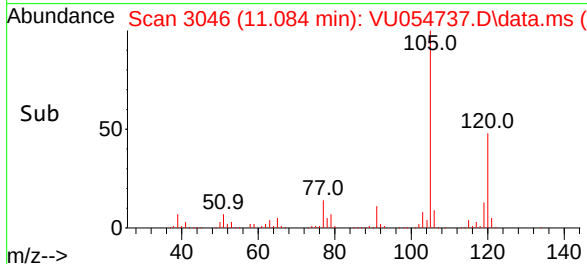
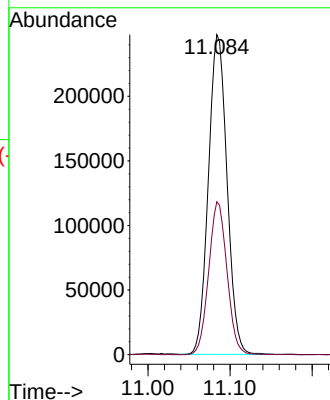
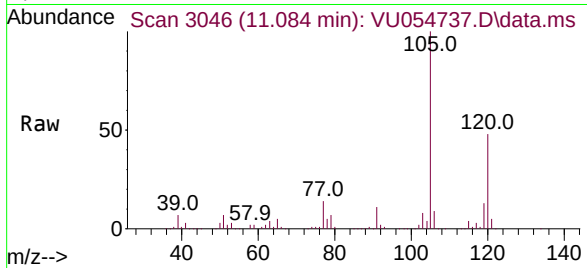




#62
 1,3,5-Trimethylbenzene
 Concen: 4.744 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. 0.000 min
 Lab File: VU054737.D
 Acq: 03 Jul 2023 09:49

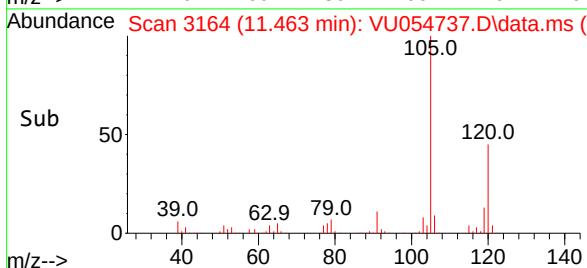
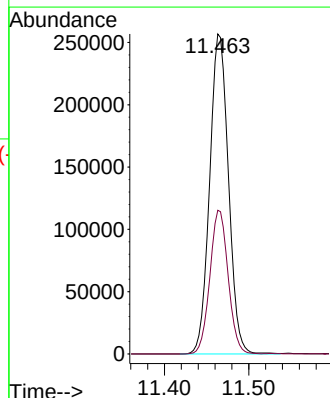
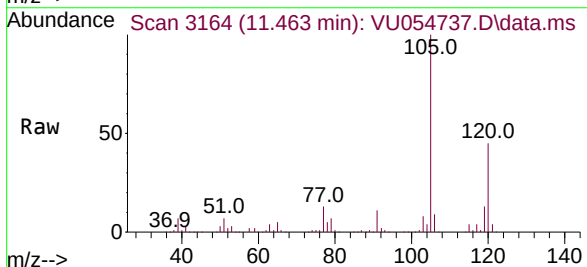
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005086

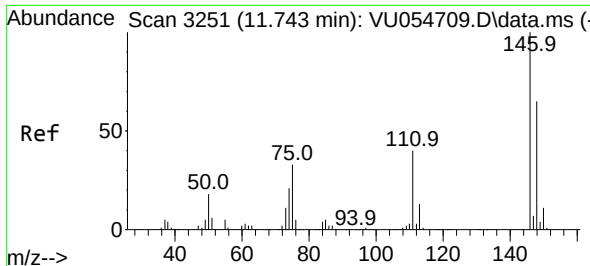
Tgt Ion:105 Resp: 390001
 Ion Ratio Lower Upper
 105 100
 120 47.1 37.9 56.9



#63
 1,2,4-Trimethylbenzene
 Concen: 4.769 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. 0.000 min
 Lab File: VU054737.D
 Acq: 03 Jul 2023 09:49

Tgt Ion:105 Resp: 398187
 Ion Ratio Lower Upper
 105 100
 120 43.6 35.4 53.0

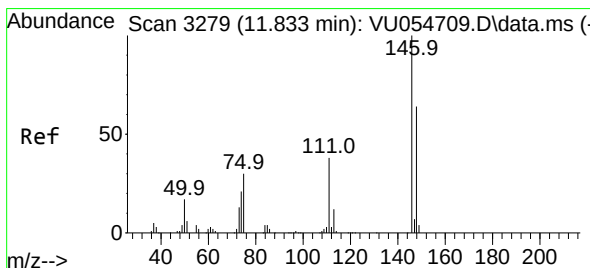
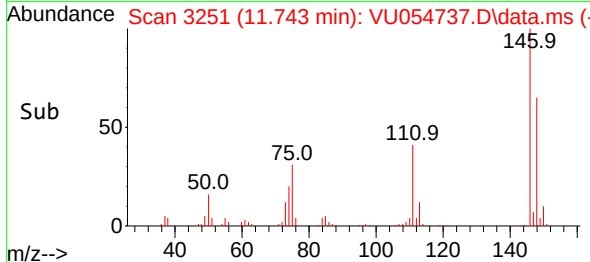
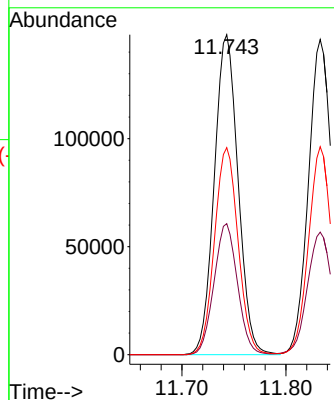
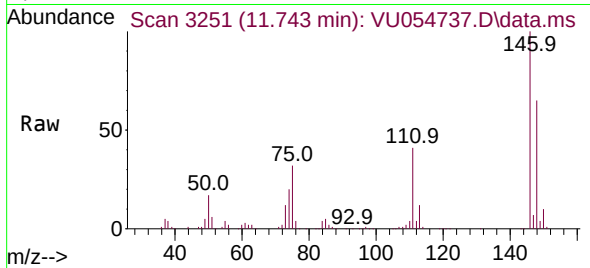




#64
1,3-Dichlorobenzene
Concen: 5.001 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU054737.D
Acq: 03 Jul 2023 09:49

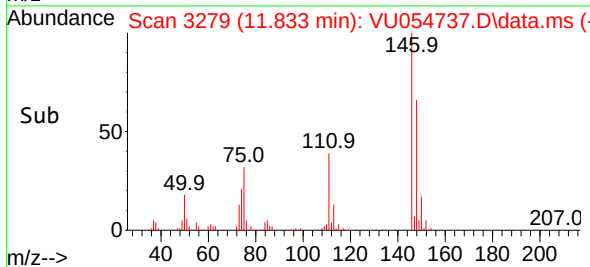
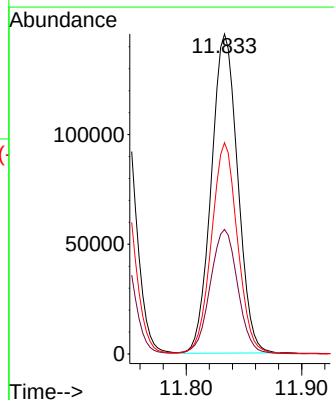
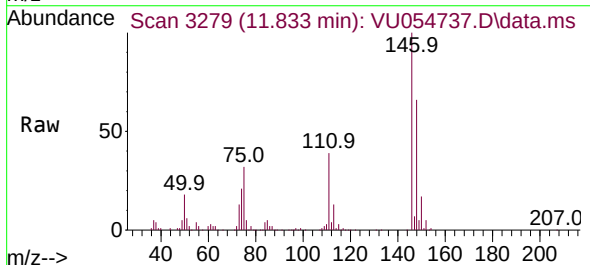
Instrument :
MSVOA_U
ClientSampleId :
VSTD005086

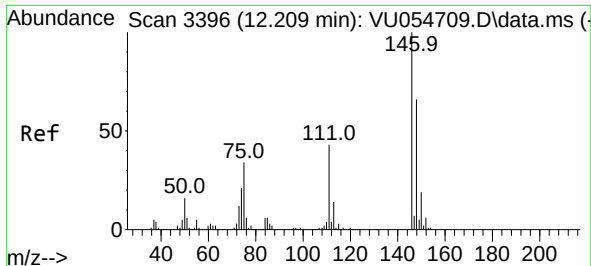
Tgt Ion:146 Resp: 235518
Ion Ratio Lower Upper
146 100
111 41.0 28.9 53.7
148 64.7 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 4.894 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU054737.D
Acq: 03 Jul 2023 09:49

Tgt Ion:146 Resp: 231333
Ion Ratio Lower Upper
146 100
111 38.9 28.0 52.0
148 66.0 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 5.084 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. 0.000 min

Lab File: VU054737.D

Acq: 03 Jul 2023 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD005086

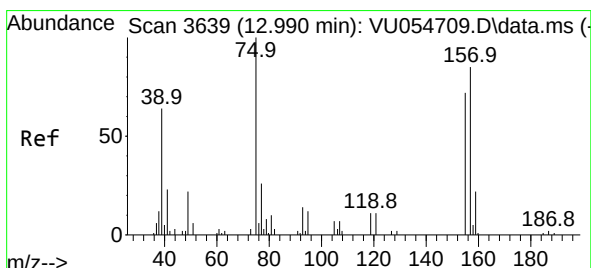
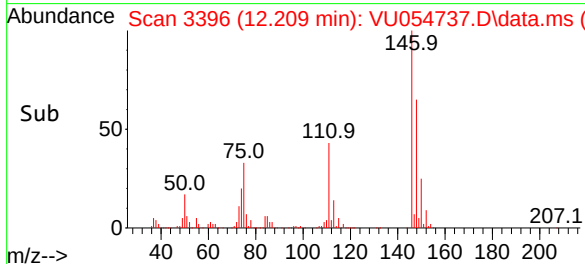
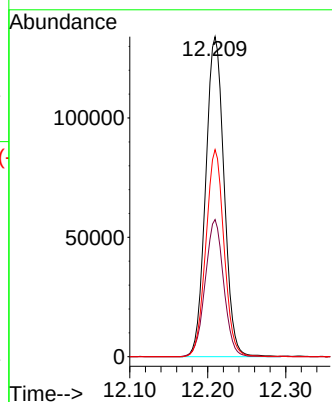
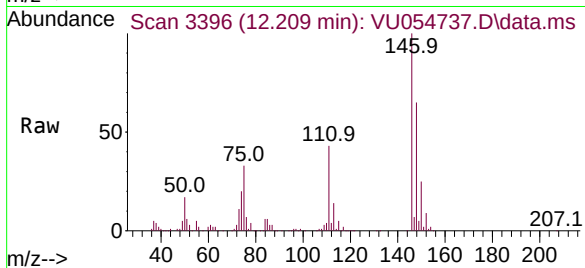
Tgt Ion:146 Resp: 220196

Ion Ratio Lower Upper

146 100

111 42.9 34.5 51.7

148 64.7 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 5.899 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU054737.D

Acq: 03 Jul 2023 09:49

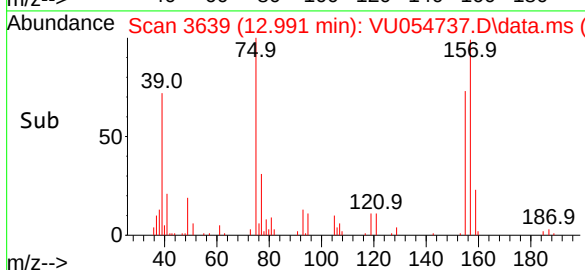
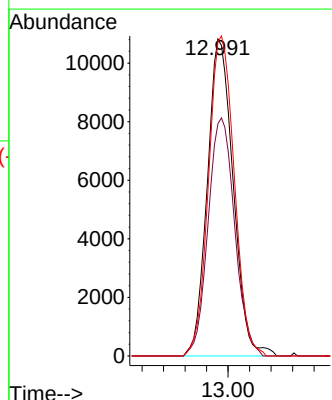
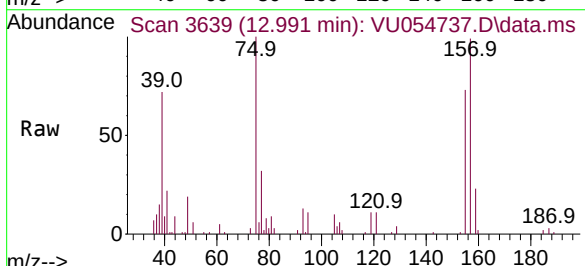
Tgt Ion: 75 Resp: 18043

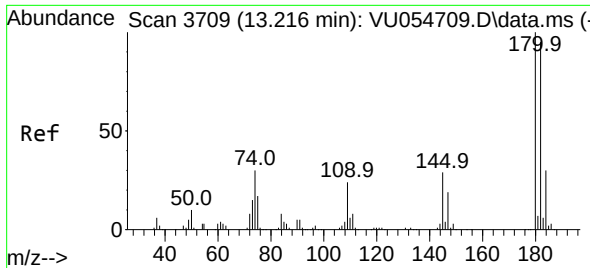
Ion Ratio Lower Upper

75 100

155 73.3 65.7 98.5

157 99.1 84.2 126.2

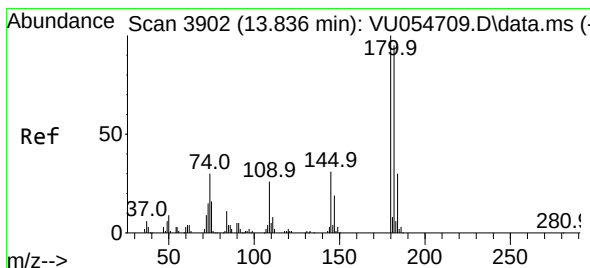
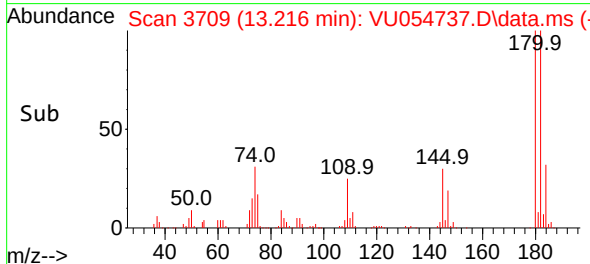
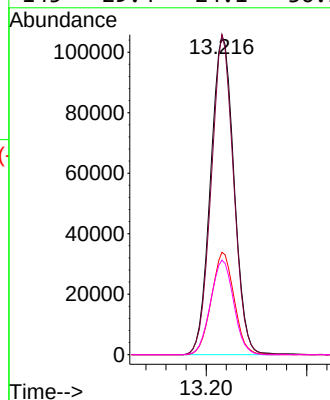
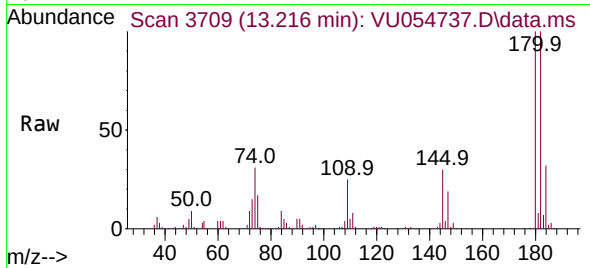




#69
 1,3,5-Trichlorobenzene
 Concen: 4.780 ug/L
 RT: 13.216 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU054737.D
 Acq: 03 Jul 2023 09:49

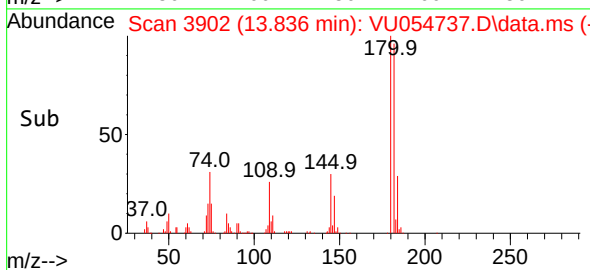
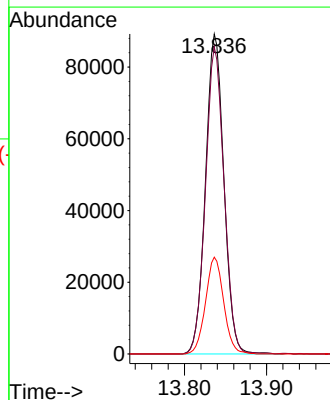
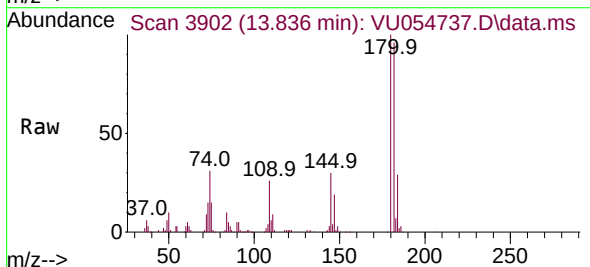
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005086

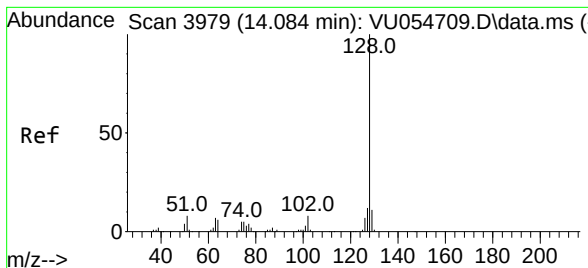
Tgt Ion:	180	Resp:	169861
Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.0	112.6
184	31.2	24.1	36.1
145	29.4	24.1	36.1



#70
 1,2,4-trichlorobenzene
 Concen: 4.728 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.000 min
 Lab File: VU054737.D
 Acq: 03 Jul 2023 09:49

Tgt Ion:	180	Resp:	138921
Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.6	114.8
145	29.8	24.0	36.0





#71

Naphthalene

Concen: 4.536 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. 0.000 min

Lab File: VU054737.D

Acq: 03 Jul 2023 09:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD005086

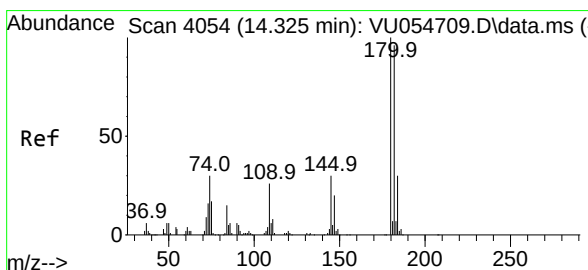
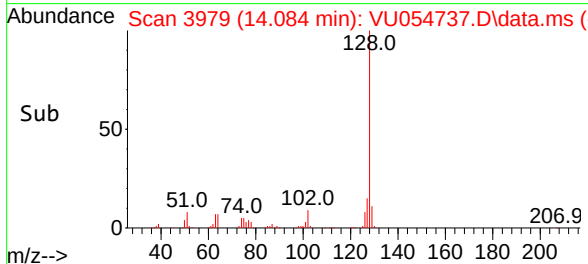
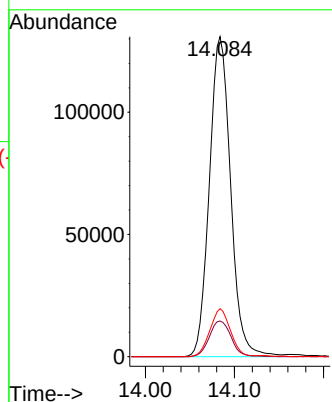
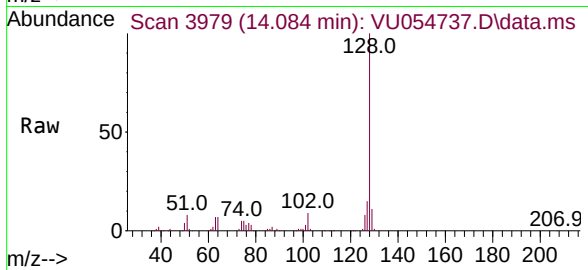
Tgt Ion:128 Resp: 216706

Ion Ratio Lower Upper

128 100

129 11.5 8.6 12.8

127 14.5 10.6 15.8



#72

1,2,3-Trichlorobenzene

Concen: 5.108 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU054737.D

Acq: 03 Jul 2023 09:49

Tgt Ion:180 Resp: 128932

Ion Ratio Lower Upper

180 100

182 95.6 75.4 113.2

145 30.9 26.0 39.0

