

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063023\
 Data File : VU054709.D
 Acq On : 30 Jun 2023 09:08
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005084

Quant Time: Jul 03 06:39:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jun 23 23:55:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	277858	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	263883	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	130288	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	92412	5.226	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.600%
7) Chloroethane-d5	1.911	69	78768	4.758	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.200%
11) 1,1-Dichloroethene-d2	2.563	65	37149	4.704	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.000%
20) 2-Butanone-d5	4.627	46	255051	51.300	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.600%
24) Chloroform-d	5.058	84	175739	4.755	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.000%
26) 1,2-Dichloroethane-d4	5.698	65	84113	4.668	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.400%
32) Benzene-d6	5.724	84	330552	4.506	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
36) 1,2-Dichloropropane-d6	6.688	67	112901	4.609	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.200%
41) Toluene-d8	7.894	98	296936	4.561	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.200%
43) trans-1,3-Dichloroprop...	8.177	79	41660	4.890	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.800%
46) 2-Hexanone-d5	8.630	63	175388	49.073	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.140%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	87598	4.795	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	104121	4.738	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	106492	4.102	ug/L	99
3) Chloromethane	1.521	50	130199	4.365	ug/L	99
5) Vinyl chloride	1.602	62	136899	4.472	ug/L	98
6) Bromomethane	1.856	94	73454	4.364	ug/L	95
8) Chloroethane	1.933	64	87387	4.762	ug/L	100
9) Trichlorofluoromethane	2.136	101	182256	4.843	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	110192	5.005	ug/L	98
12) 1,1-Dichloroethene	2.576	96	92257	4.578	ug/L #	84
13) Acetone	2.637	43	271842	57.990	ug/L	100
14) Carbon disulfide	2.788	76	225451	3.772	ug/L	99
15) Methyl Acetate	2.952	43	46893	5.398	ug/L	97
16) Methylene chloride	3.042	84	114539	4.042	ug/L	94
17) Methyl tert-butyl Ether	3.361	73	243949	4.904	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	92113	4.427	ug/L	99
19) 1,1-Dichloroethane	3.865	63	222033	5.156	ug/L	99
21) 2-Butanone	4.708	43	342379	56.277	ug/L	99
22) cis-1,2-Dichloroethene	4.663	96	112763	4.759	ug/L	99
23) Bromochloromethane	4.971	128	49567	5.027	ug/L	97
25) Chloroform	5.084	83	219442	5.169	ug/L	98

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 ALS Vial : 2 Sample Multiplier: 1

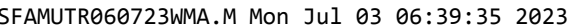
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005084

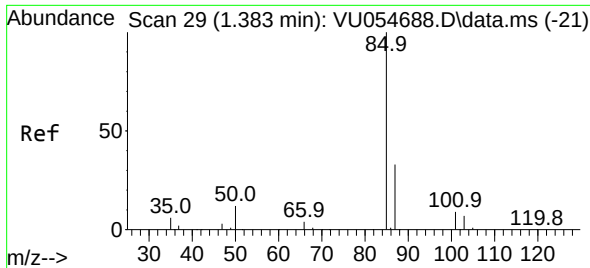
Quant Time: Jul 03 06:39:26 2023
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	129922	5.221	ug/L	99
29) 1,1,1-Trichloroethane	5.312	97	180196	5.036	ug/L	98
30) Cyclohexane	5.386	56	162013	4.157	ug/L	100
31) Carbon tetrachloride	5.521	117	151556	4.915	ug/L	100
33) Benzene	5.772	78	451588	4.762	ug/L	100
34) Trichloroethene	6.541	95	117786	4.697	ug/L	94
35) Methylcyclohexane	6.759	83	157481	4.154	ug/L	97
37) 1,2-Dichloropropane	6.785	63	129899	5.066	ug/L	99
38) Bromodichloromethane	7.103	83	154364	5.318	ug/L	97
39) cis-1,3-Dichloropropene	7.605	75	174580	4.987	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	744330	54.393	ug/L	98
42) Toluene	7.965	91	480618	4.921	ug/L	99
44) trans-1,3-Dichloropropene	8.209	75	147059	5.176	ug/L	100
45) 1,1,2-Trichloroethane	8.396	97	86009	5.272	ug/L	98
47) Tetrachloroethene	8.550	164	96166	5.009	ug/L	97
48) 2-Hexanone	8.682	43	570061	55.909	ug/L	97
49) Dibromochloromethane	8.807	129	90949	5.310	ug/L	96
50) 1,2-Dibromoethane	8.920	107	77322	5.163	ug/L	98
51) Chlorobenzene	9.444	112	290921	4.779	ug/L	99
52) Ethylbenzene	9.566	91	502743	4.713	ug/L	98
53) m,p-Xylene	9.692	106	192703	4.918	ug/L	99
54) o-Xylene	10.097	106	183255	4.836	ug/L	98
55) Styrene	10.110	104	321338	5.053	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.778	83	112588	5.434	ug/L	99
59) Bromoform	10.286	173	54875	5.867	ug/L	100
60) Isopropylbenzene	10.483	105	506601	5.315	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	75377	5.725	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	394870	5.078	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	402899	5.101	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	235651	5.289	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	230820	5.162	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	215604	5.262	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.990	75	17333	5.990	ug/L	84
69) 1,3,5-Trichlorobenzene	13.216	180	173005	5.147	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	132749	4.776	ug/L	99
71) Naphthalene	14.084	128	201724	4.463	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	120676	5.054	ug/L	98

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

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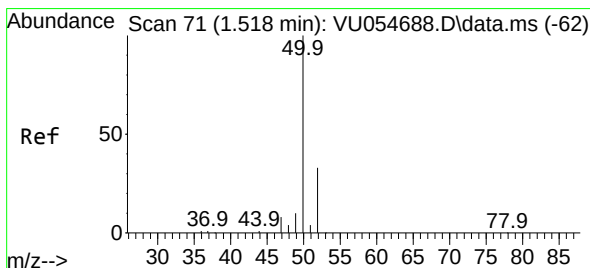
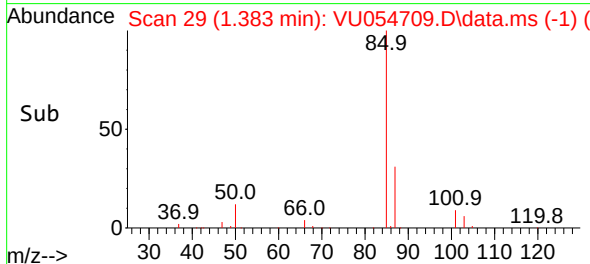
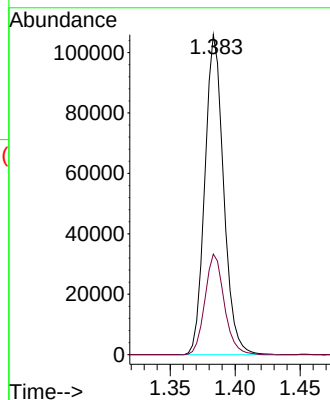
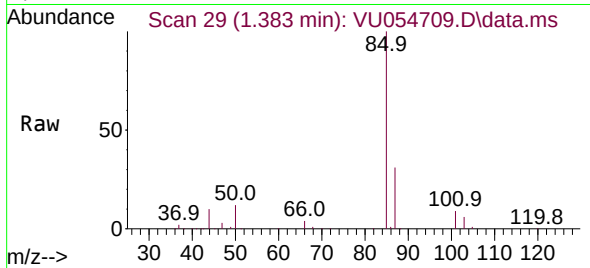




#2
 Dichlorodifluoromethane
 Concen: 4.102 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU054709.D
 Acq: 30 Jun 2023 09:08

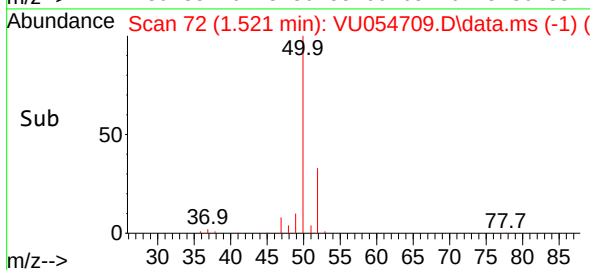
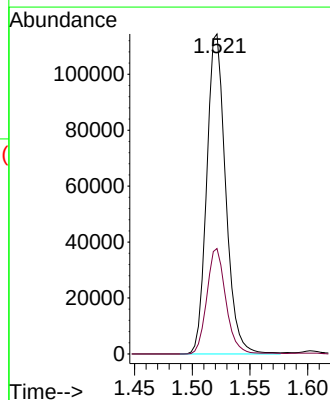
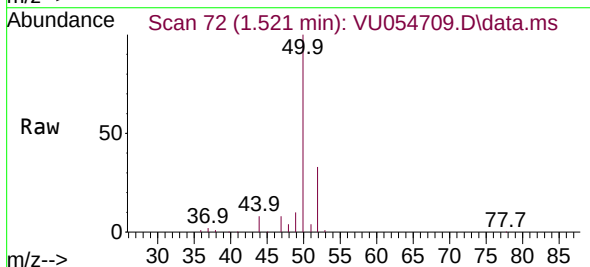
Instrument :
 MSVOA_U
 ClientSampleId :
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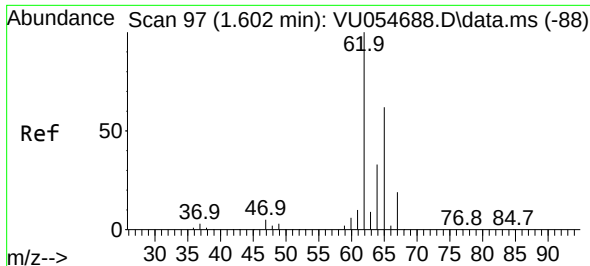
Tgt Ion: 85 Resp: 106492
 Ion Ratio Lower Upper
 85 100
 87 32.3 25.4 38.2



#3
 Chloromethane
 Concen: 4.365 ug/L
 RT: 1.521 min Scan# 72
 Delta R.T. -0.000 min
 Lab File: VU054709.D
 Acq: 30 Jun 2023 09:08

Tgt Ion: 50 Resp: 130199
 Ion Ratio Lower Upper
 50 100
 52 32.9 23.4 43.4

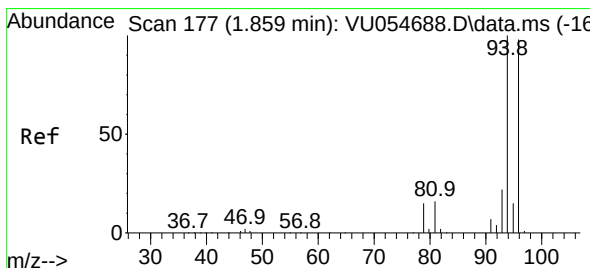
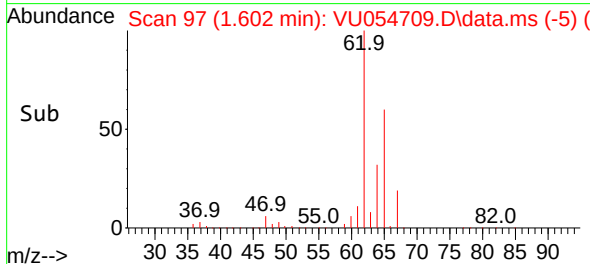
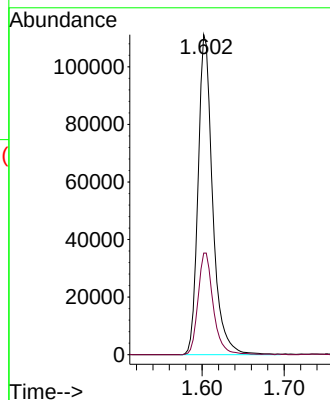
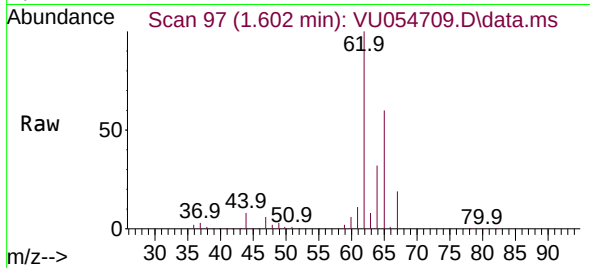




#5
 Vinyl chloride
 Concen: 4.472 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU054709.D
 Acq: 30 Jun 2023 09:08

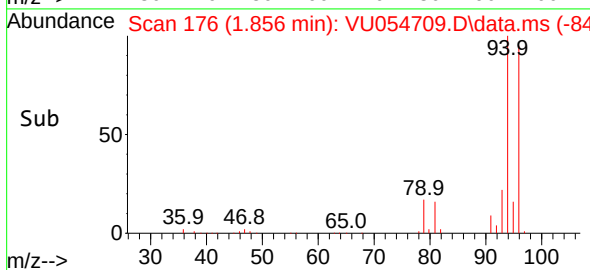
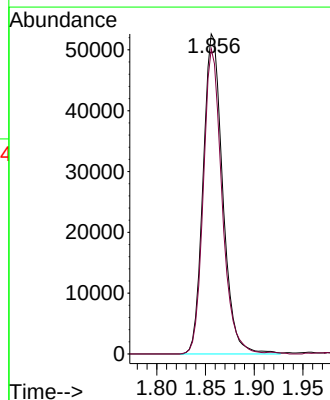
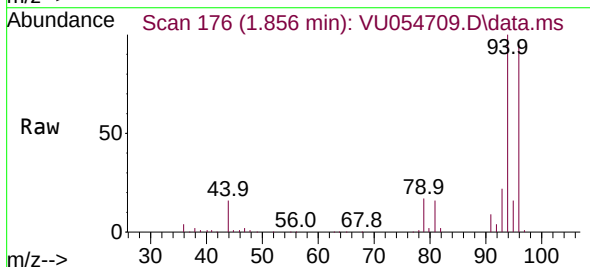
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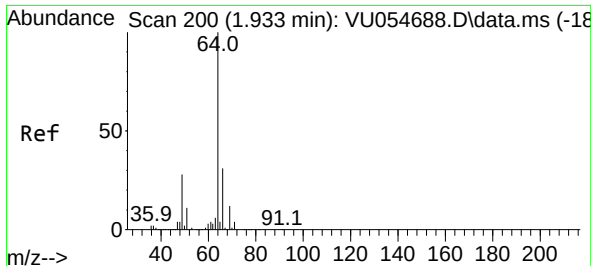
Tgt Ion: 62 Resp: 136899
 Ion Ratio Lower Upper
 62 100
 64 31.8 23.0 42.6



#6
 Bromomethane
 Concen: 4.364 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. -0.003 min
 Lab File: VU054709.D
 Acq: 30 Jun 2023 09:08

Tgt Ion: 94 Resp: 73454
 Ion Ratio Lower Upper
 94 100
 96 95.3 63.6 118.2





#8

Chloroethane

Concen: 4.762 ug/L

RT: 1.933 min Scan# 200

Delta R.T. -0.000 min

Lab File: VU054709.D

Acq: 30 Jun 2023 09:08

Instrument :

MSVOA_U

ClientSampleId :

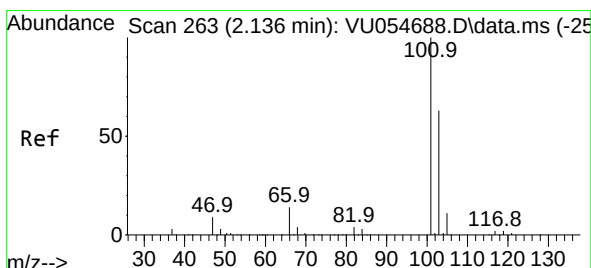
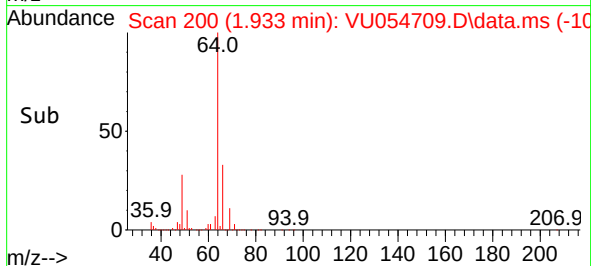
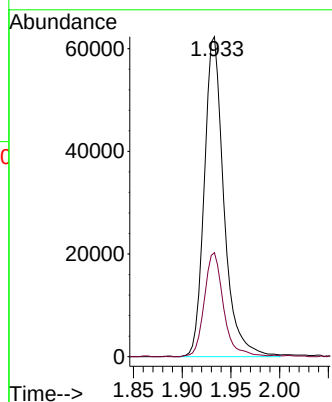
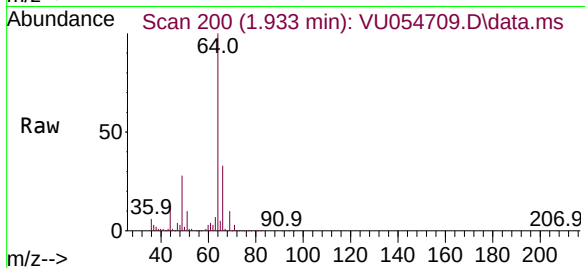
VSTD005084

Tgt Ion: 64 Resp: 87387

Ion Ratio Lower Upper

64 100

66 32.5 22.9 42.5



#9

Trichlorofluoromethane

Concen: 4.843 ug/L

RT: 2.136 min Scan# 263

Delta R.T. -0.000 min

Lab File: VU054709.D

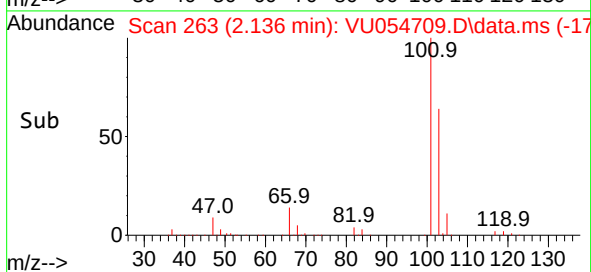
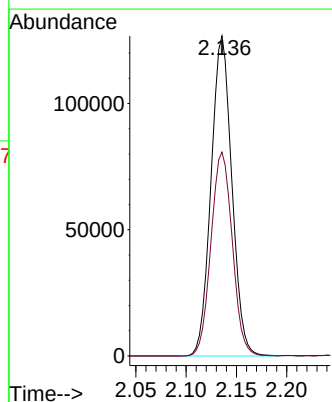
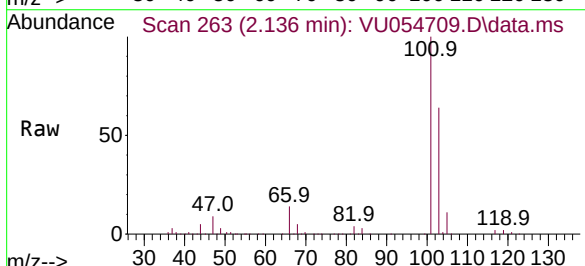
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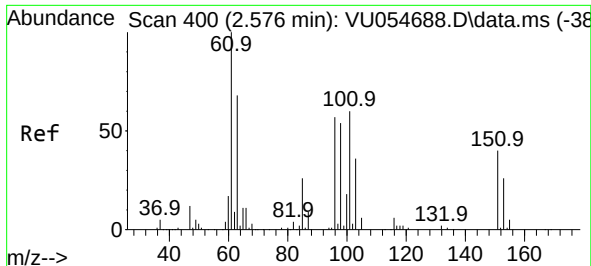
Tgt Ion: 101 Resp: 182256

Ion Ratio Lower Upper

101 100

103 65.3 50.6 75.8

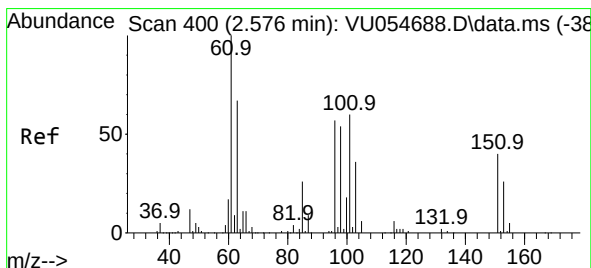
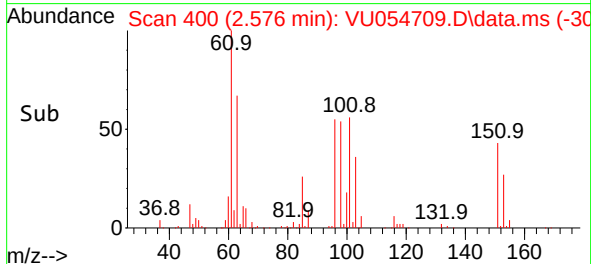
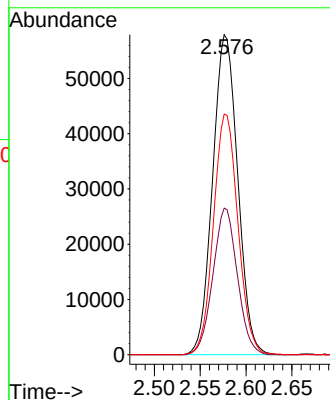
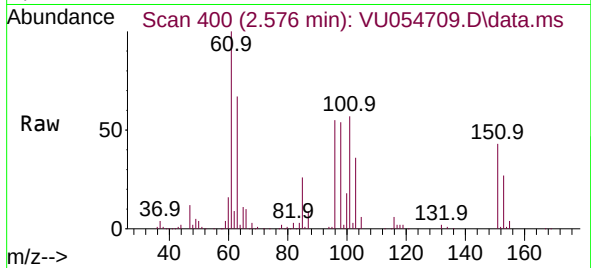




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.005 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.003 min
 Lab File: VU054709.D
 Acq: 30 Jun 2023 09:08

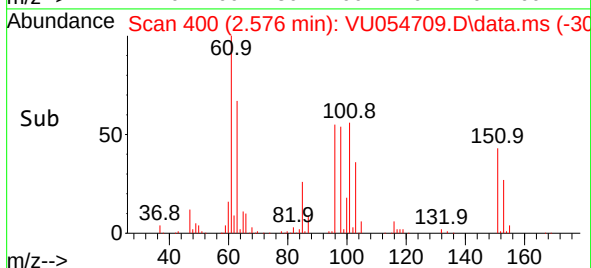
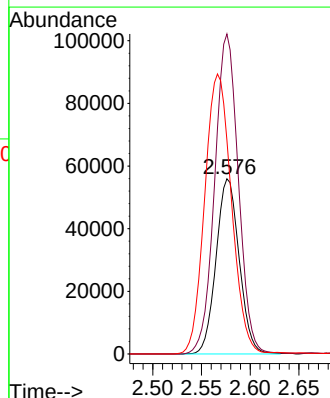
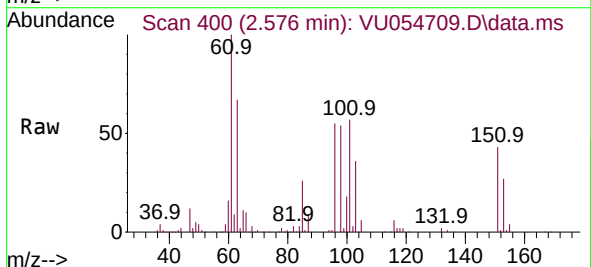
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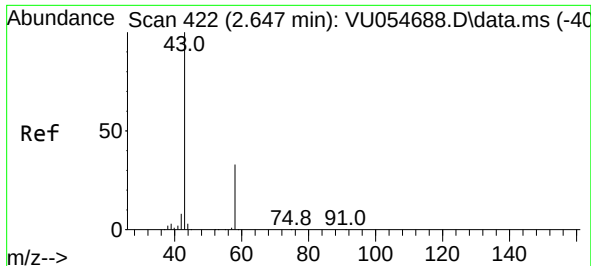
Tgt Ion:101 Resp: 110192
 Ion Ratio Lower Upper
 101 100
 85 44.5 34.6 51.8
 151 73.4 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 4.578 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.003 min
 Lab File: VU054709.D
 Acq: 30 Jun 2023 09:08

Tgt Ion: 96 Resp: 92257
 Ion Ratio Lower Upper
 96 100
 61 182.6 119.9 222.7
 63 122.0 64.3 119.3#





#13

Acetone

Concen: 57.990 ug/L

RT: 2.637 min Scan# 419

Delta R.T. -0.003 min

Lab File: VU054709.D

Acq: 30 Jun 2023 09:08

Instrument :

MSVOA_U

ClientSampleId :

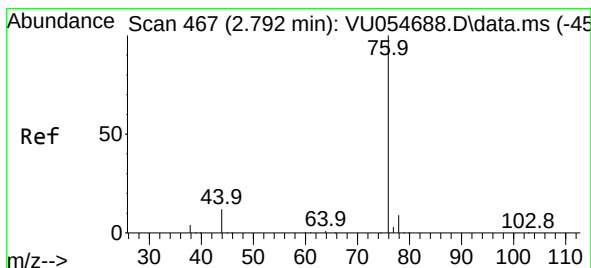
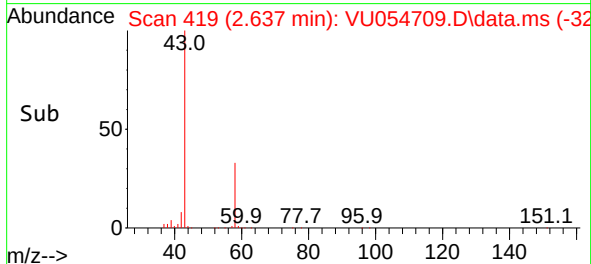
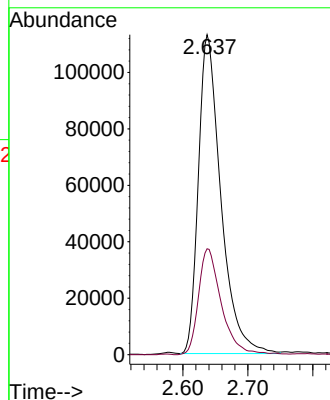
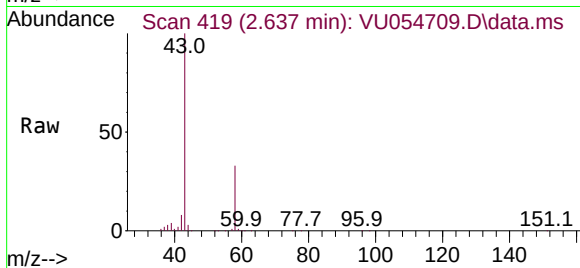
VSTD005084

Tgt Ion: 43 Resp: 271842

Ion Ratio Lower Upper

43 100

58 33.6 0.0 67.2



#14

Carbon disulfide

Concen: 3.772 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.003 min

Lab File: VU054709.D

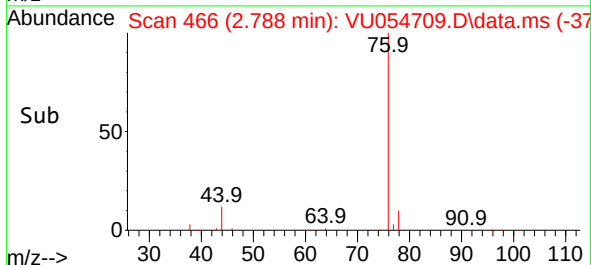
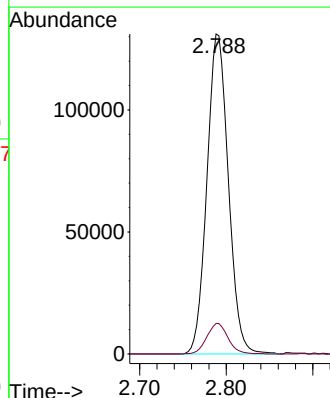
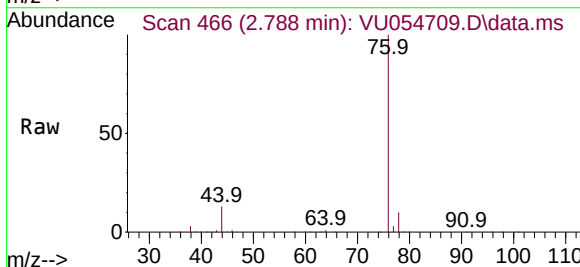
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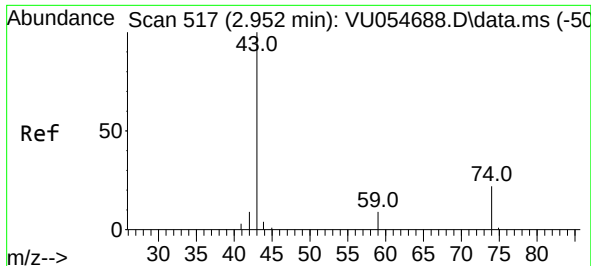
Tgt Ion: 76 Resp: 225451

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0

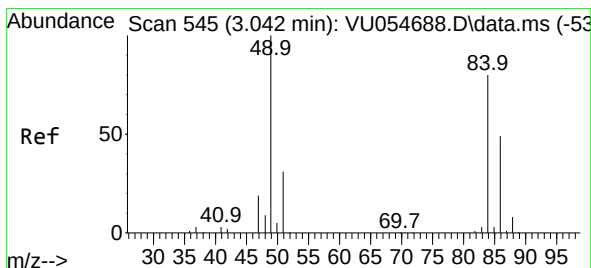
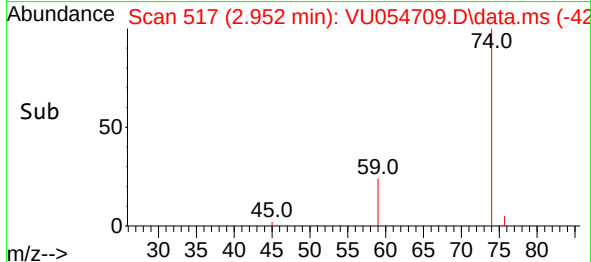
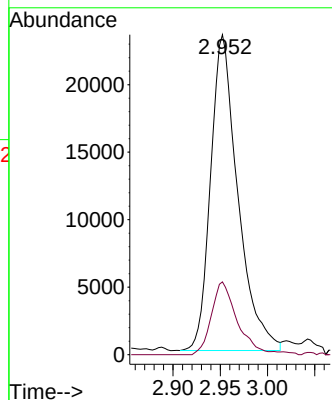
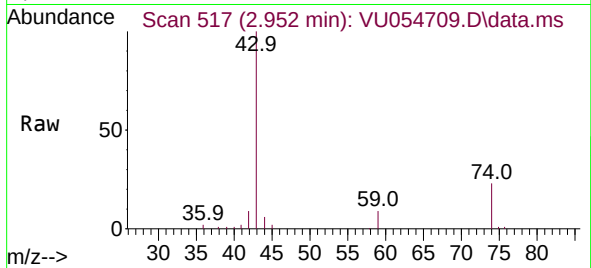




#15
Methyl Acetate
Concen: 5.398 ug/L
RT: 2.952 min Scan# 517
Delta R.T. -0.000 min
Lab File: VU054709.D
Acq: 30 Jun 2023 09:08

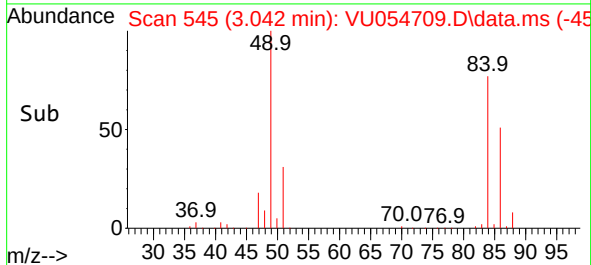
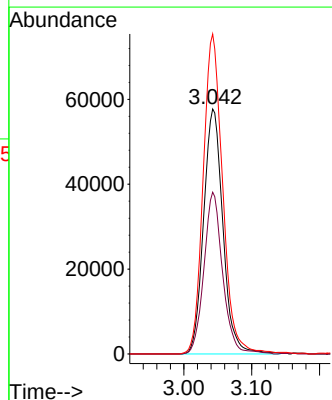
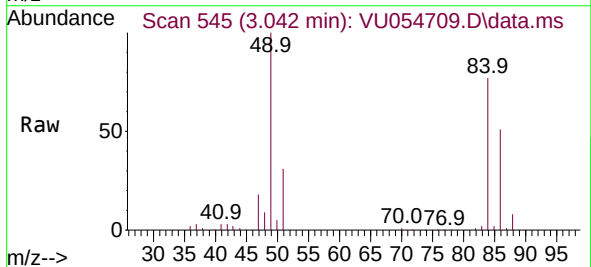
Instrument :
MSVOA_U
ClientSampleId :
VSTD005084

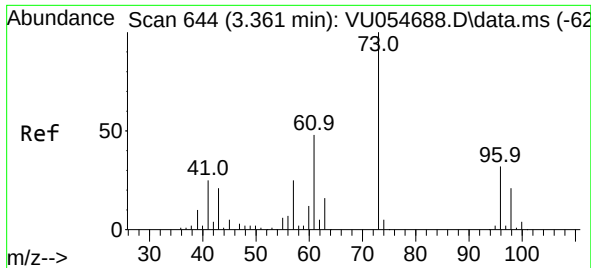
Tgt Ion: 43 Resp: 46893
Ion Ratio Lower Upper
43 100
74 22.2 19.0 28.6



#16
Methylene chloride
Concen: 4.042 ug/L
RT: 3.042 min Scan# 545
Delta R.T. -0.000 min
Lab File: VU054709.D
Acq: 30 Jun 2023 09:08

Tgt Ion: 84 Resp: 114539
Ion Ratio Lower Upper
84 100
86 66.0 43.9 81.5
49 130.6 86.1 159.9

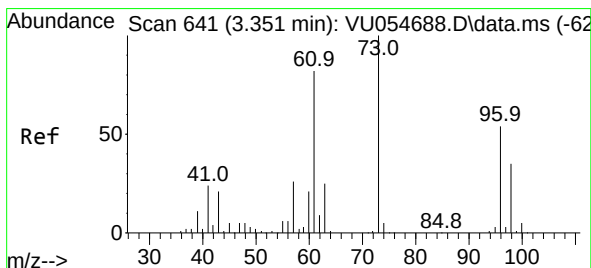
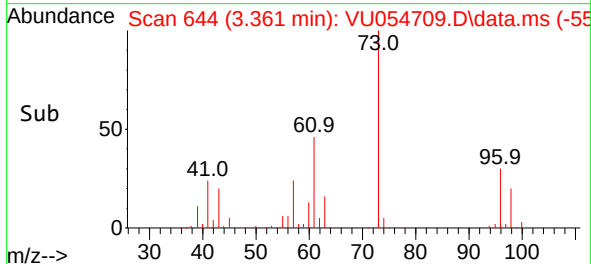
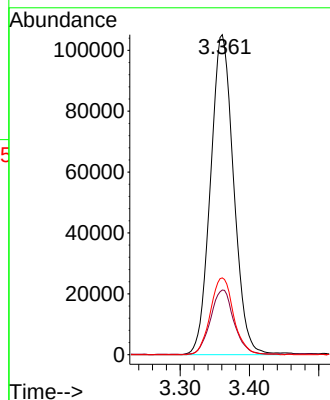
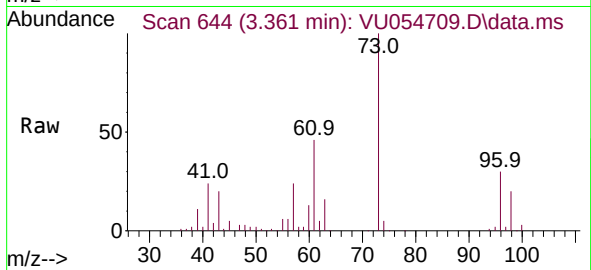




#17
Methyl tert-butyl Ether
Concen: 4.904 ug/L
RT: 3.361 min Scan# 644
Delta R.T. -0.000 min
Lab File: VU054709.D
Acq: 30 Jun 2023 09:08

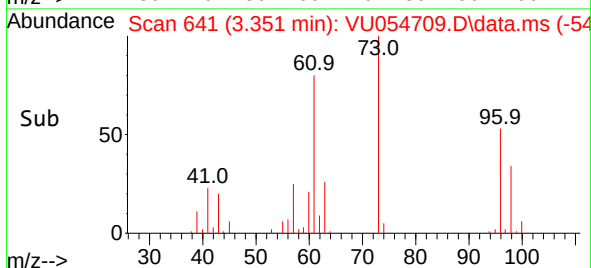
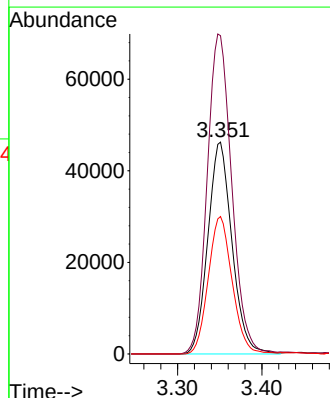
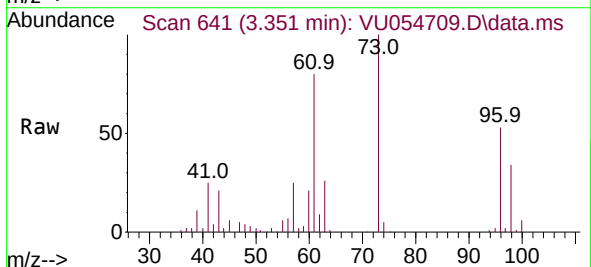
Instrument :
MSVOA_U
ClientSampleId :
VSTD005084

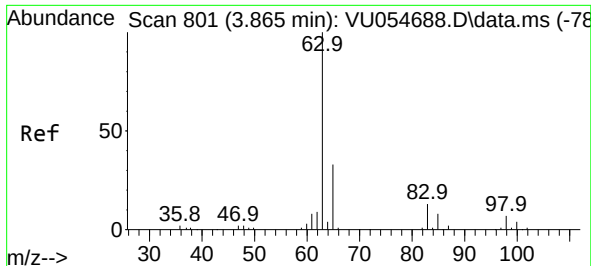
Tgt Ion: 73 Resp: 243949
Ion Ratio Lower Upper
73 100
43 20.3 15.7 23.5
57 24.0 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 4.427 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU054709.D
Acq: 30 Jun 2023 09:08

Tgt Ion: 96 Resp: 92113
Ion Ratio Lower Upper
96 100
61 150.3 104.6 194.2
98 64.9 45.4 84.4





#19

1,1-Dichloroethane

Concen: 5.156 ug/L

RT: 3.865 min Scan# 801

Delta R.T. -0.000 min

Lab File: VU054709.D

Acq: 30 Jun 2023 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD005084

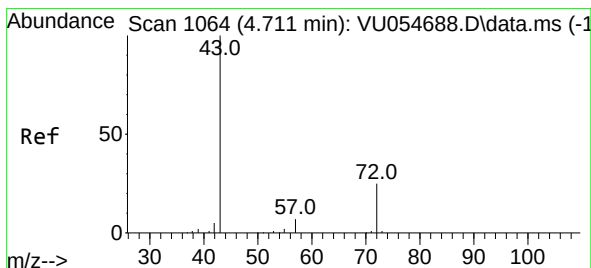
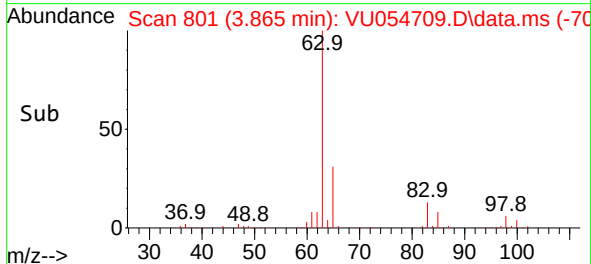
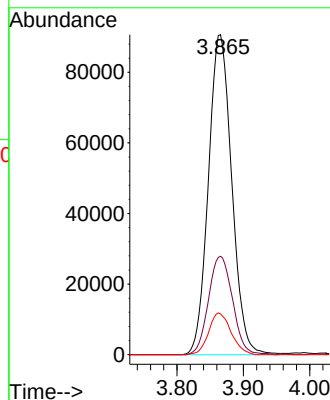
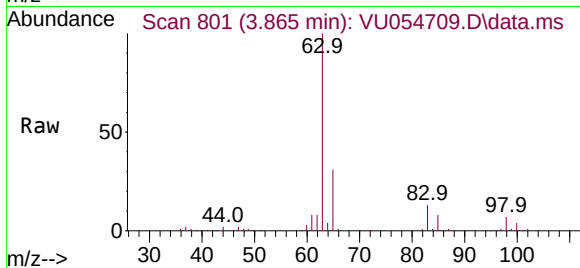
Tgt Ion: 63 Resp: 222033

Ion Ratio Lower Upper

63 100

65 30.8 22.2 41.2

83 12.8 9.0 16.6



#21

2-Butanone

Concen: 56.277 ug/L

RT: 4.708 min Scan# 1063

Delta R.T. 0.003 min

Lab File: VU054709.D

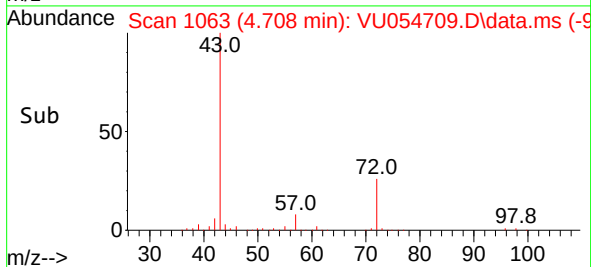
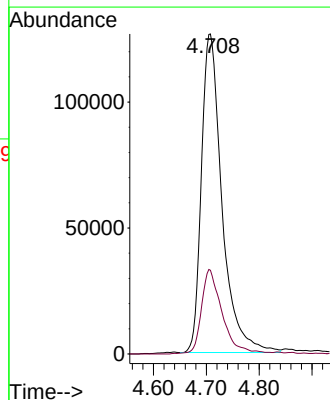
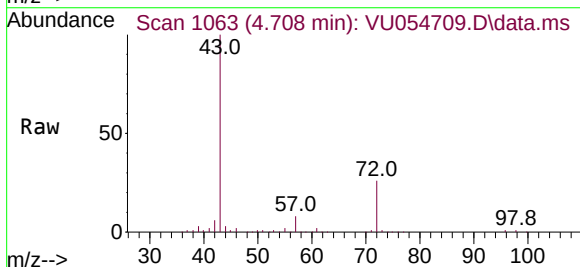
Acq: 30 Jun 2023 09:08

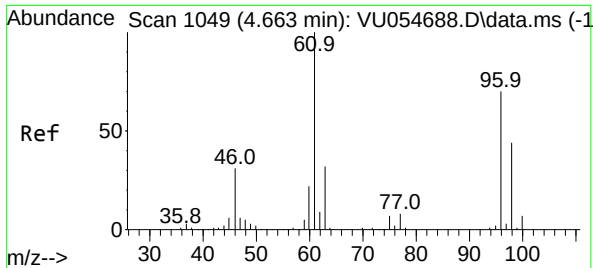
Tgt Ion: 43 Resp: 342379

Ion Ratio Lower Upper

43 100

72 26.2 13.4 40.1



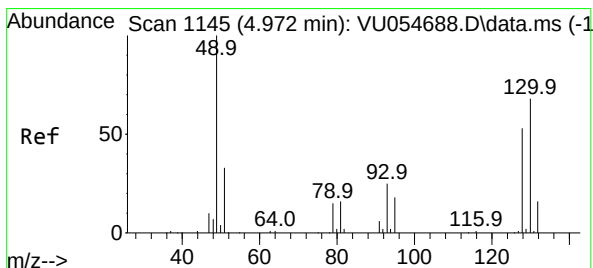
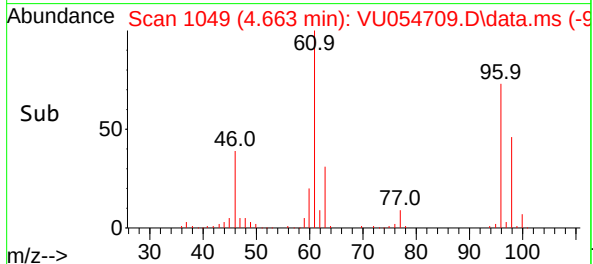
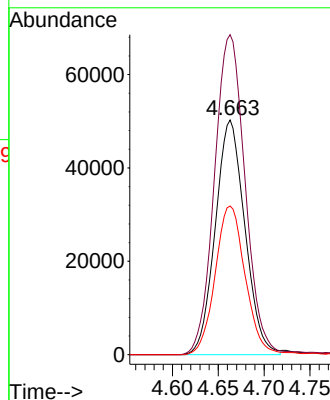
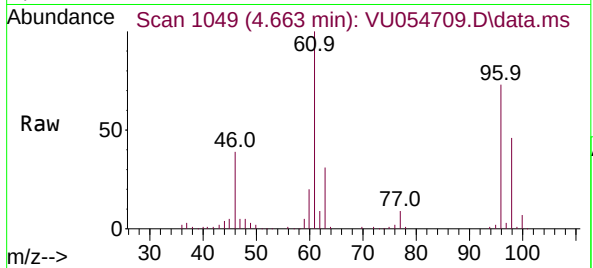


#22
 cis-1,2-Dichloroethene
 Concen: 4.759 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. -0.000 min
 Lab File: VU054709.D
 Acq: 30 Jun 2023 09:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005084

Tgt Ion: 96 Resp: 112763

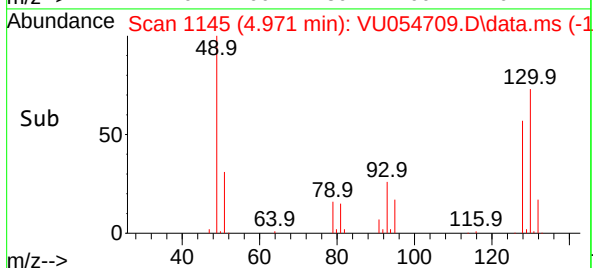
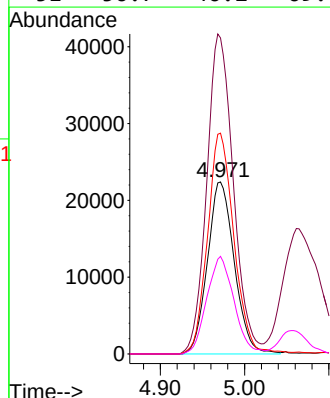
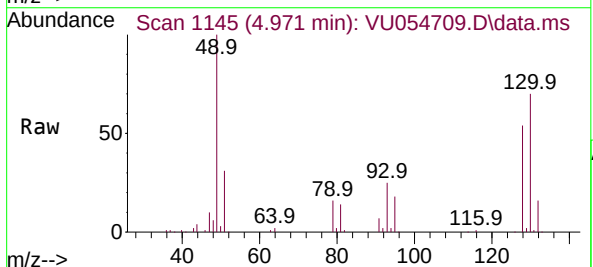
Ion	Ratio	Lower	Upper
96	100		
61	136.3	96.5	179.1
98	63.3	44.9	83.3

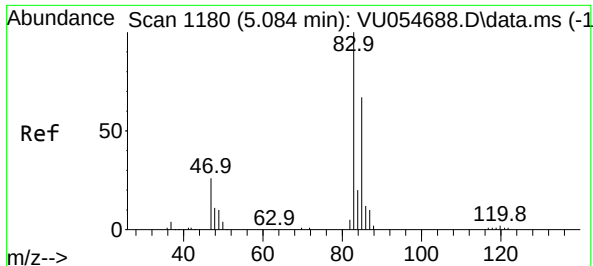


#23
 Bromochloromethane
 Concen: 5.027 ug/L
 RT: 4.971 min Scan# 1145
 Delta R.T. 0.003 min
 Lab File: VU054709.D
 Acq: 30 Jun 2023 09:08

Tgt Ion: 128 Resp: 49567

Ion	Ratio	Lower	Upper
128	100		
49	183.7	132.1	245.3
130	128.4	91.5	169.9
51	56.7	46.2	69.4





#25

Chloroform

Concen: 5.169 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU054709.D

Acq: 30 Jun 2023 09:08

Instrument :

MSVOA_U

ClientSampleId :

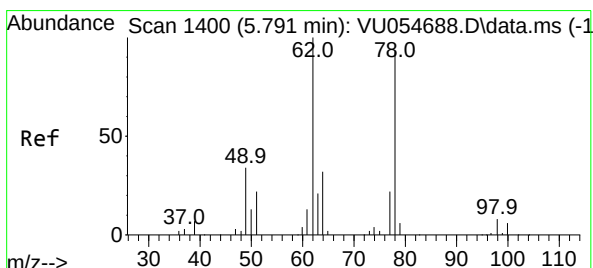
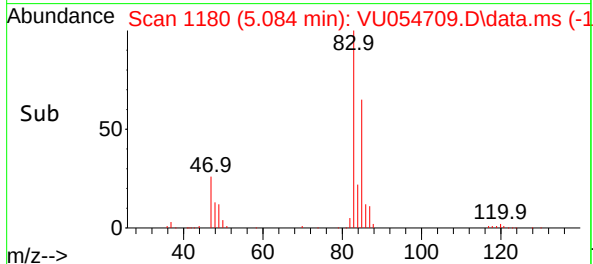
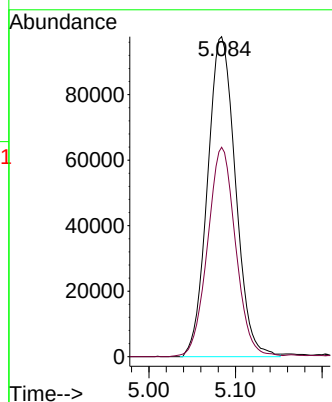
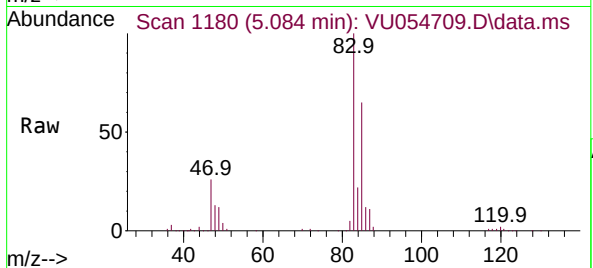
VSTD005084

Tgt Ion: 83 Resp: 219442

Ion Ratio Lower Upper

83 100

85 65.5 44.7 82.9



#27

1,2-Dichloroethane

Concen: 5.221 ug/L

RT: 5.791 min Scan# 1400

Delta R.T. 0.003 min

Lab File: VU054709.D

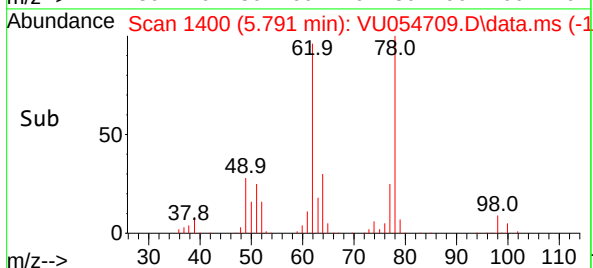
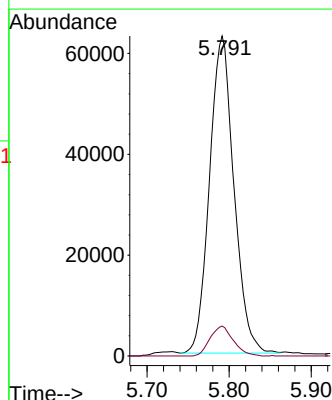
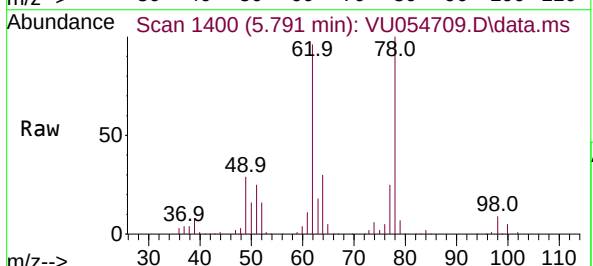
Acq: 30 Jun 2023 09:08

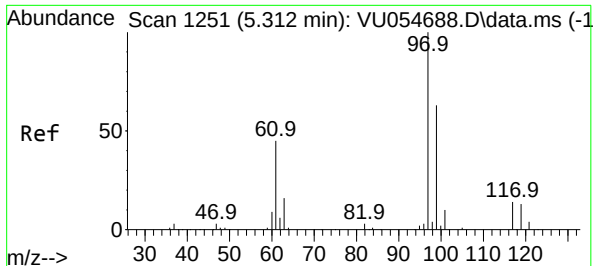
Tgt Ion: 62 Resp: 129922

Ion Ratio Lower Upper

62 100

98 9.4 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 5.036 ug/L

RT: 5.312 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU054709.D

Acq: 30 Jun 2023 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD005084

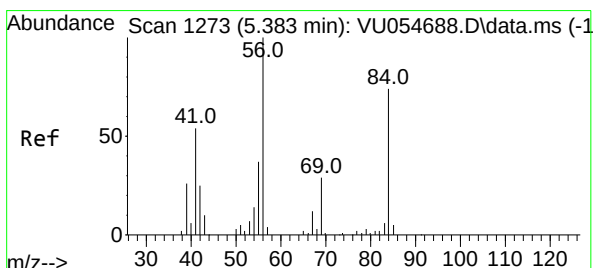
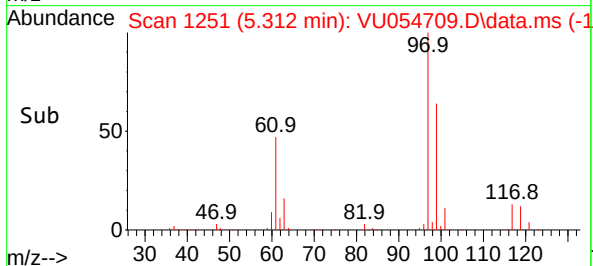
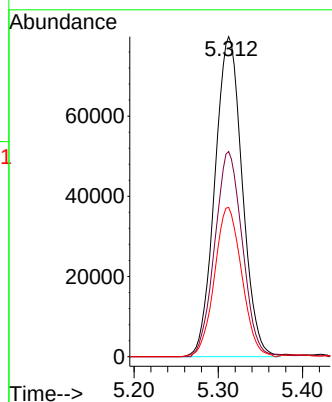
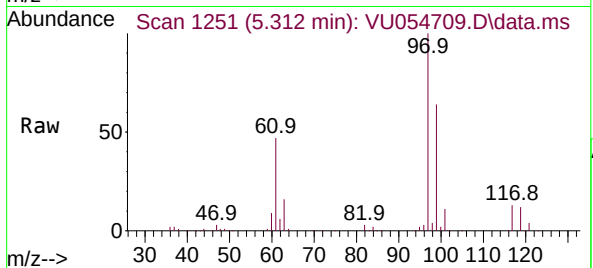
Tgt Ion: 97 Resp: 180196

Ion Ratio Lower Upper

97 100

99 64.7 50.8 76.2

61 46.4 36.1 54.1



#30

Cyclohexane

Concen: 4.157 ug/L

RT: 5.386 min Scan# 1274

Delta R.T. -0.000 min

Lab File: VU054709.D

Acq: 30 Jun 2023 09:08

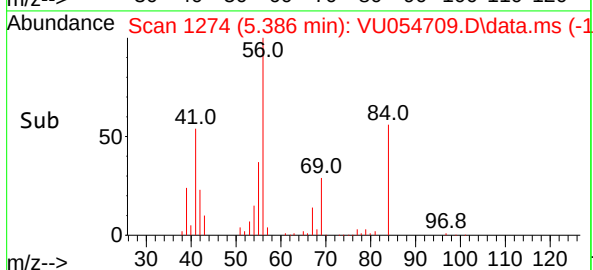
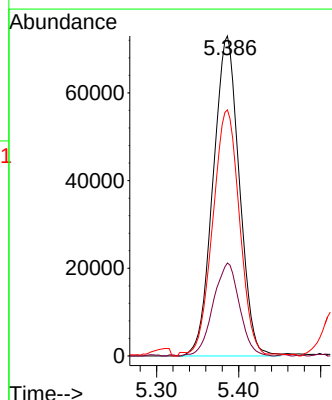
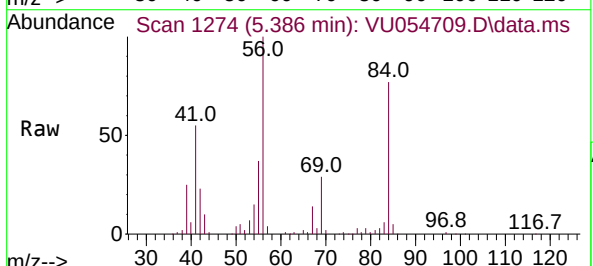
Tgt Ion: 56 Resp: 162013

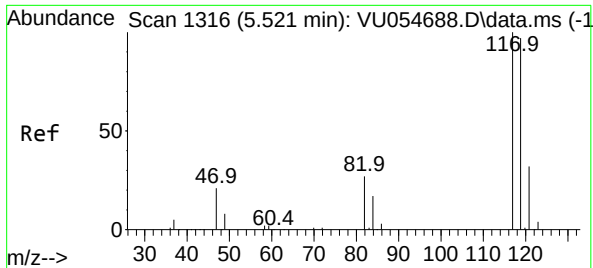
Ion Ratio Lower Upper

56 100

69 29.2 23.9 35.9

84 78.9 63.0 94.6

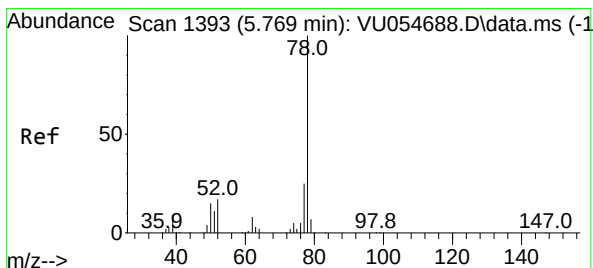
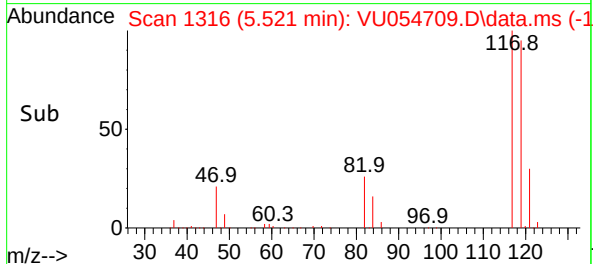
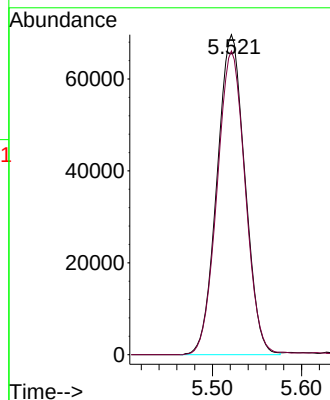
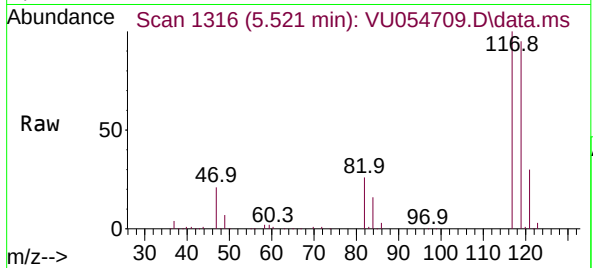




#31
Carbon tetrachloride
Concen: 4.915 ug/L
RT: 5.521 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU054709.D
Acq: 30 Jun 2023 09:08

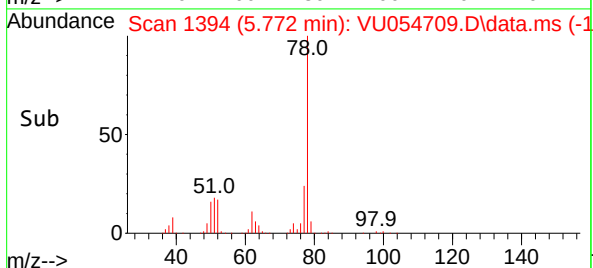
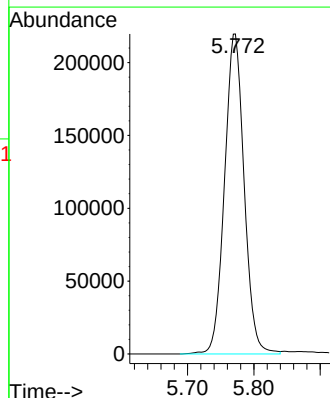
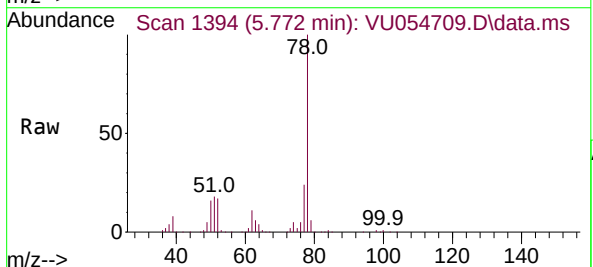
Instrument :
MSVOA_U
ClientSampleId :
VSTD005084

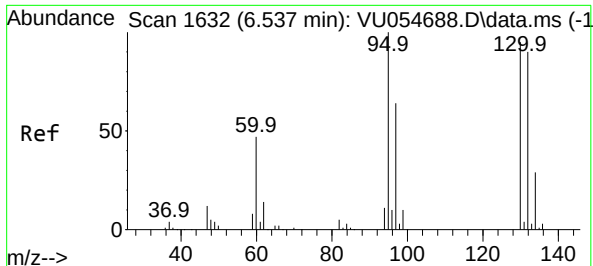
Tgt Ion:117 Resp: 151556
Ion Ratio Lower Upper
117 100
119 95.8 76.8 115.2



#33
Benzene
Concen: 4.762 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.003 min
Lab File: VU054709.D
Acq: 30 Jun 2023 09:08

Tgt Ion: 78 Resp: 451588

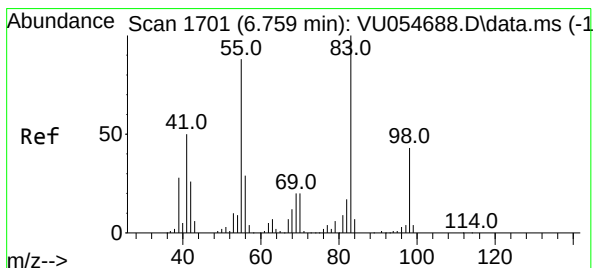
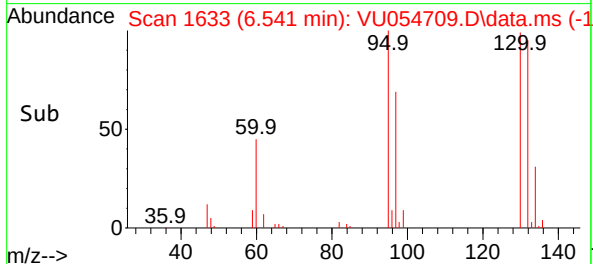
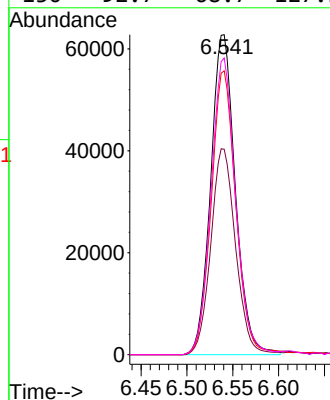
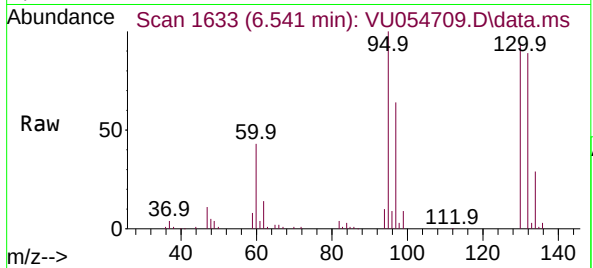




#34
Trichloroethene
Concen: 4.697 ug/L
RT: 6.541 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU054709.D
Acq: 30 Jun 2023 09:08

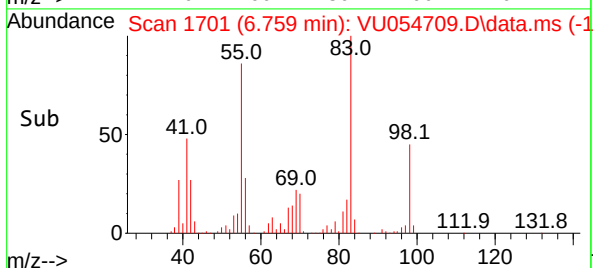
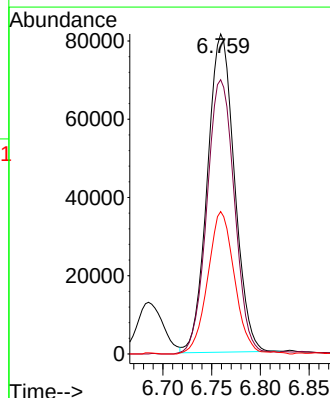
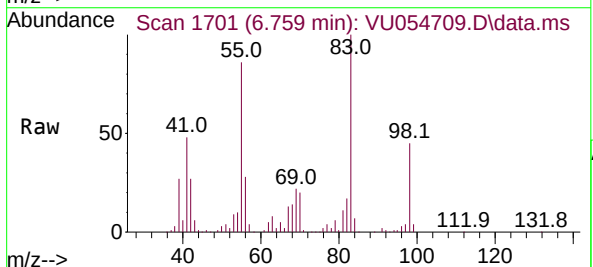
Instrument :
MSVOA_U
ClientSampleId :
VSTD005084

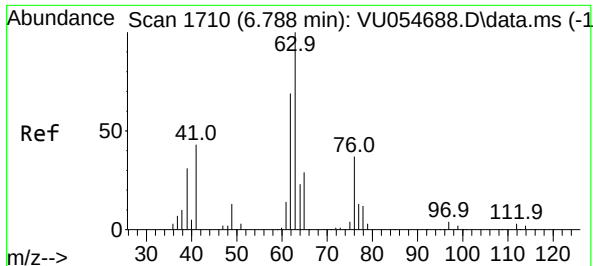
Tgt Ion: 95 Resp: 117786
Ion Ratio Lower Upper
95 100
97 64.2 46.8 87.0
132 88.7 68.4 127.0
130 92.7 68.7 127.5



#35
Methylcyclohexane
Concen: 4.154 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU054709.D
Acq: 30 Jun 2023 09:08

Tgt Ion: 83 Resp: 157481
Ion Ratio Lower Upper
83 100
55 87.8 67.1 100.7
98 44.1 35.1 52.7

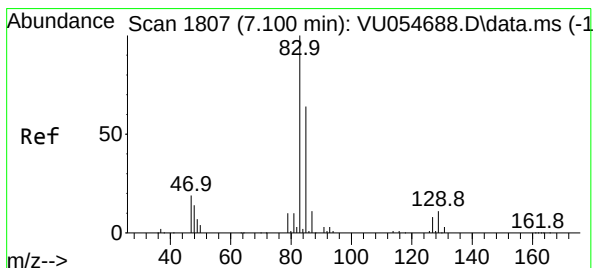
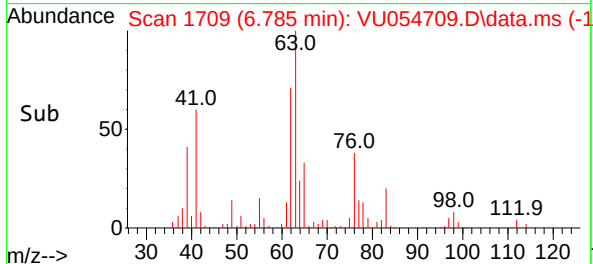
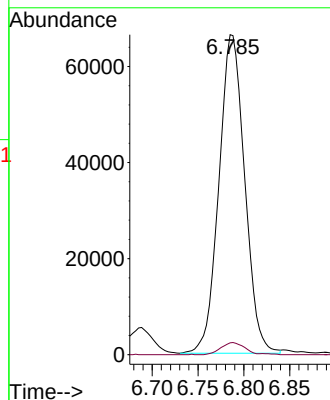
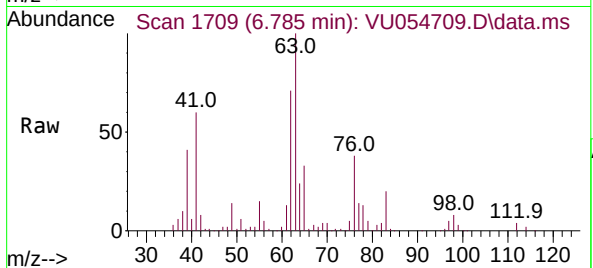




#37
1,2-Dichloropropane
Concen: 5.066 ug/L
RT: 6.785 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU054709.D
Acq: 30 Jun 2023 09:08

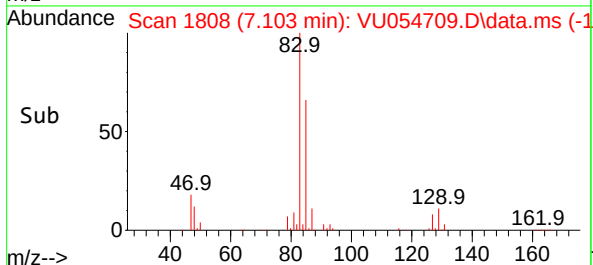
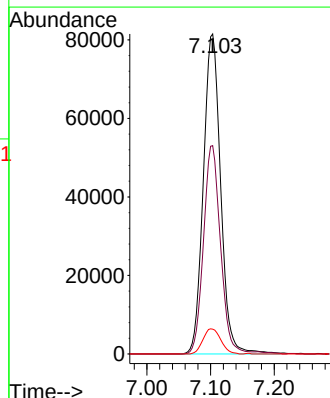
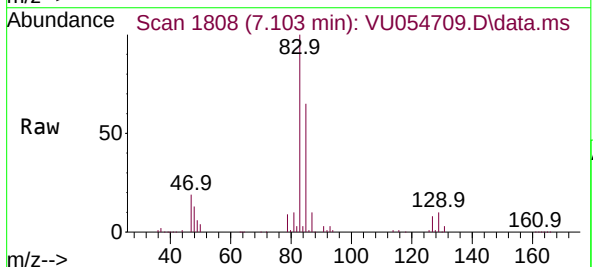
Instrument :
MSVOA_U
ClientSampleId :
VSTD005084

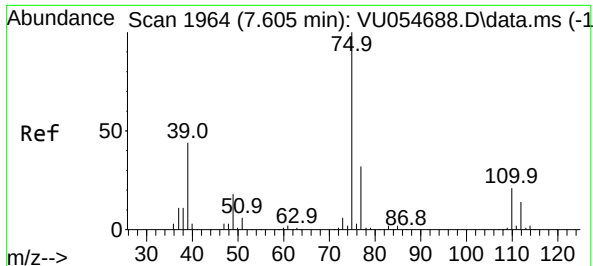
Tgt Ion: 63 Resp: 129899
Ion Ratio Lower Upper
63 100
112 3.5 3.0 4.6



#38
Bromodichloromethane
Concen: 5.318 ug/L
RT: 7.103 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VU054709.D
Acq: 30 Jun 2023 09:08

Tgt Ion: 83 Resp: 154364
Ion Ratio Lower Upper
83 100
85 65.1 44.1 81.9
127 7.8 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 4.987 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. -0.000 min

Lab File: VU054709.D

Acq: 30 Jun 2023 09:08

Instrument :

MSVOA_U

ClientSampleId :

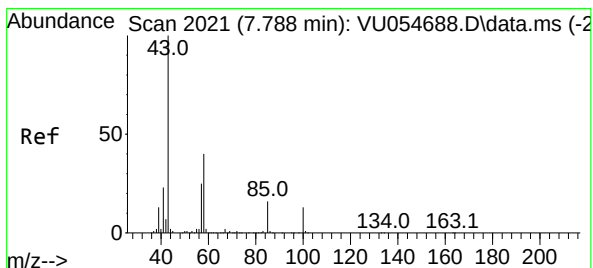
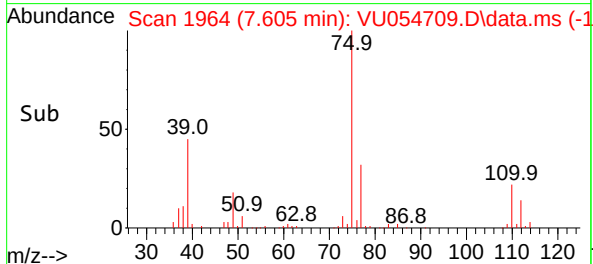
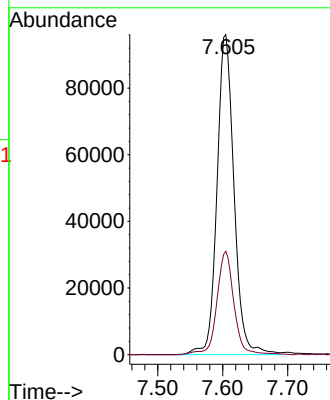
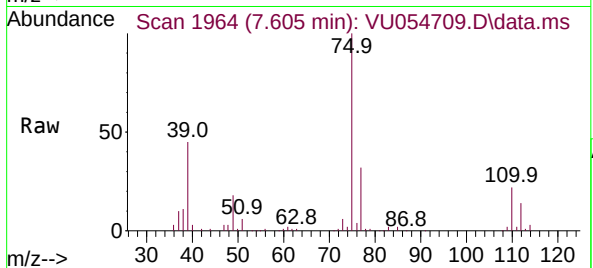
VSTD005084

Tgt Ion: 75 Resp: 174580

Ion Ratio Lower Upper

75 100

77 32.3 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 54.393 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.003 min

Lab File: VU054709.D

Acq: 30 Jun 2023 09:08

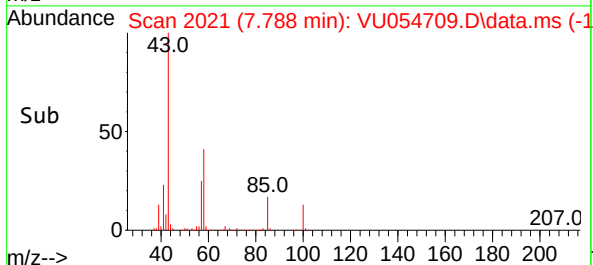
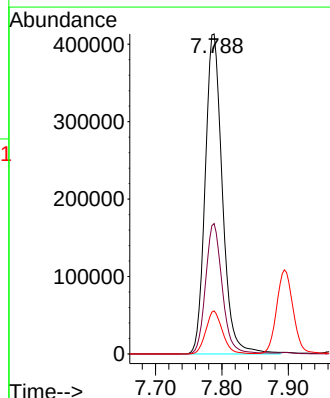
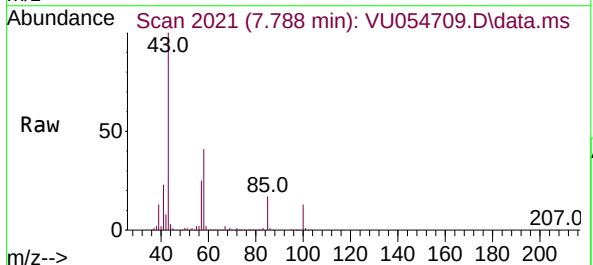
Tgt Ion: 43 Resp: 744330

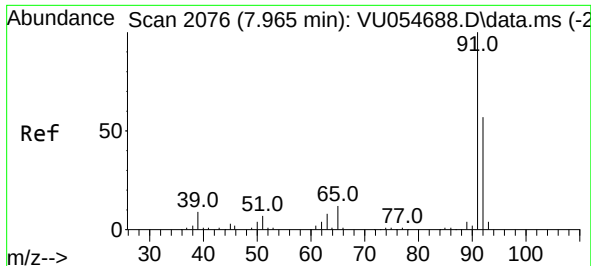
Ion Ratio Lower Upper

43 100

58 39.4 32.4 48.6

100 13.1 11.4 17.2





#42

Toluene

Concen: 4.921 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU054709.D

Acq: 30 Jun 2023 09:08

Instrument :

MSVOA_U

ClientSampleId :

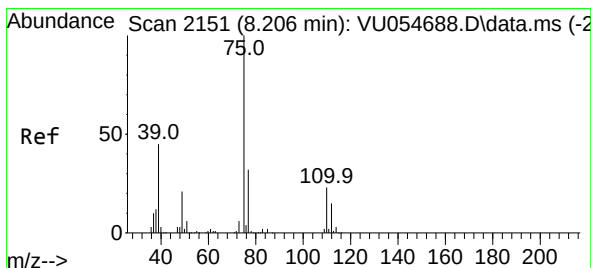
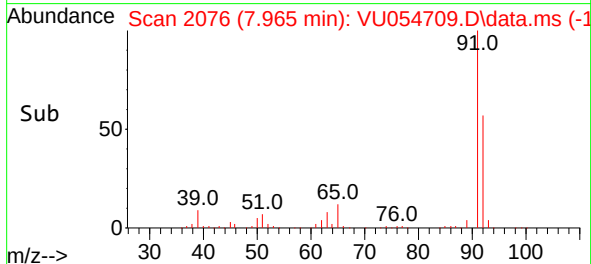
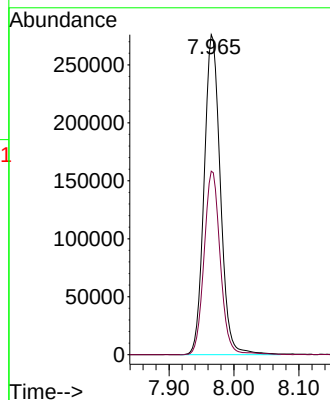
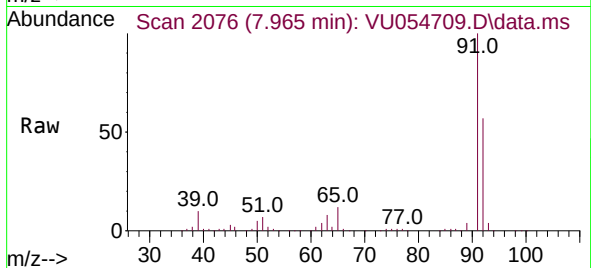
VSTD005084

Tgt Ion: 91 Resp: 480618

Ion Ratio Lower Upper

91 100

92 57.4 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 5.176 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.003 min

Lab File: VU054709.D

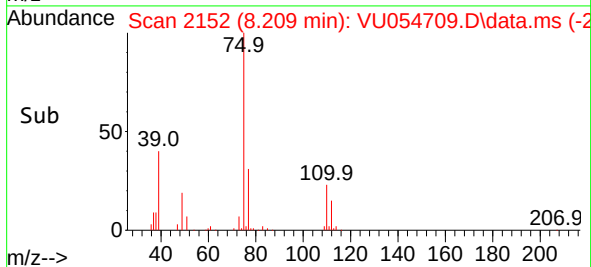
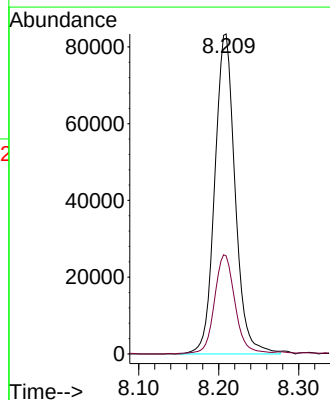
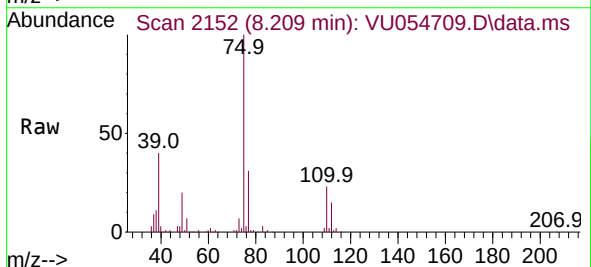
Acq: 30 Jun 2023 09:08

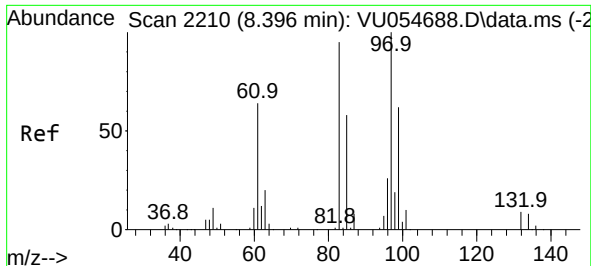
Tgt Ion: 75 Resp: 147059

Ion Ratio Lower Upper

75 100

77 30.6 21.3 39.6

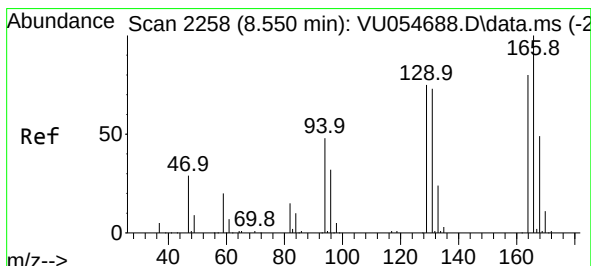
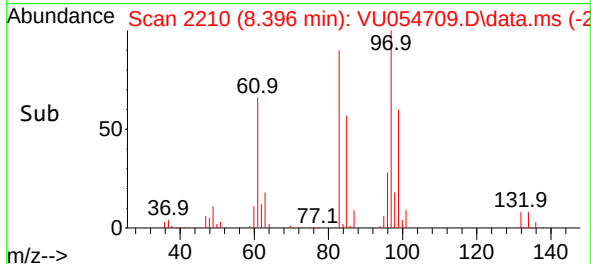
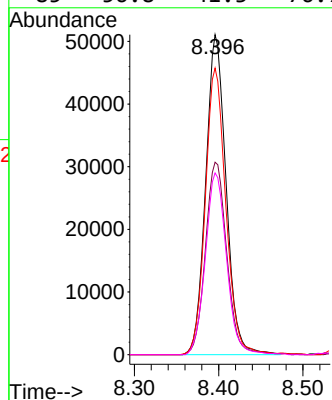
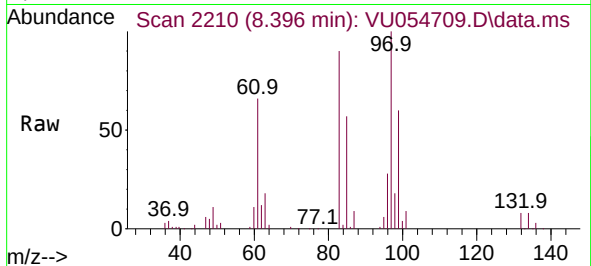




#45
1,1,2-Trichloroethane
Concen: 5.272 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. -0.000 min
Lab File: VU054709.D
Acq: 30 Jun 2023 09:08

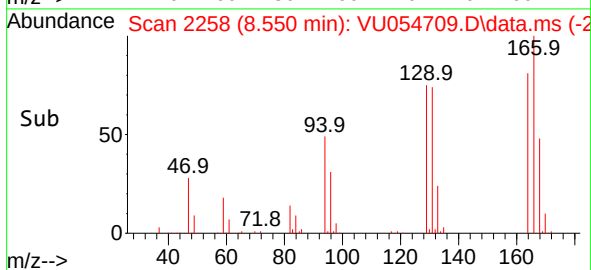
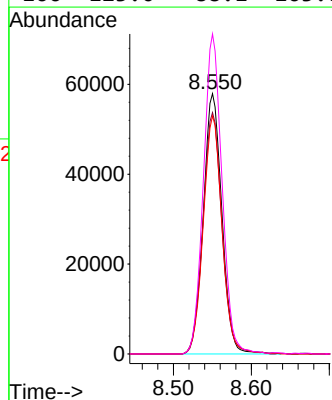
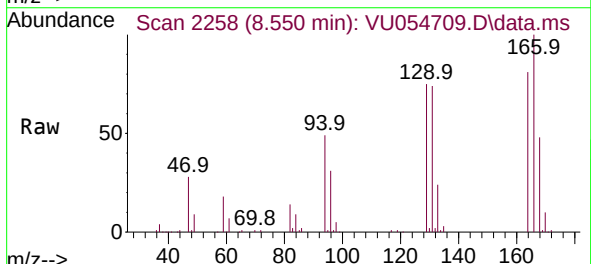
Instrument :
MSVOA_U
ClientSampleId :
VSTD005084

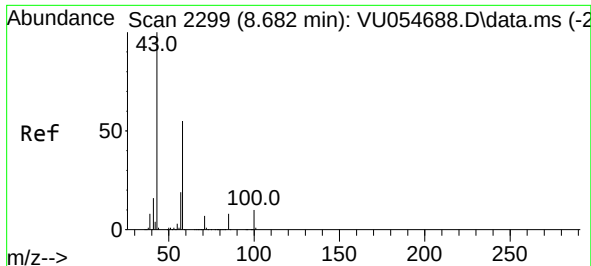
Tgt Ion: 97	Resp: 86009
Ion Ratio	Lower Upper
97 100	
99 60.2	43.0 80.0
83 89.6	63.8 118.6
85 56.8	41.3 76.7



#47
Tetrachloroethene
Concen: 5.009 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU054709.D
Acq: 30 Jun 2023 09:08

Tgt	Ion:164	Resp:	96166
Ion	Ratio	Lower	Upper
164	100		
129	92.7	67.7	125.7
131	91.5	64.6	120.0
166	123.0	88.1	163.7



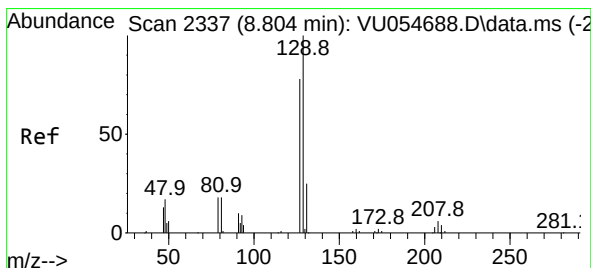
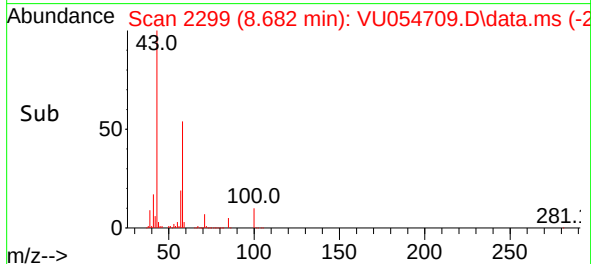
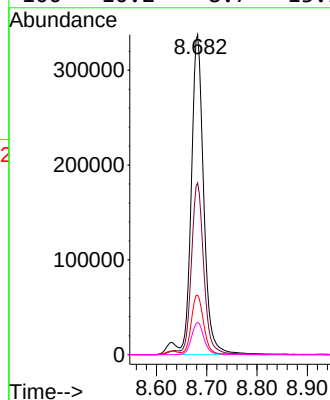
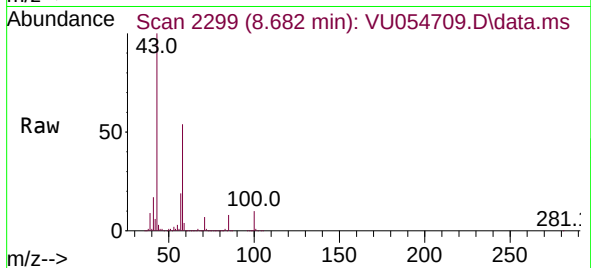


#48
2-Hexanone
Concen: 55.909 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU054709.D
Acq: 30 Jun 2023 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD005084

Tgt Ion: 43 Resp: 570061

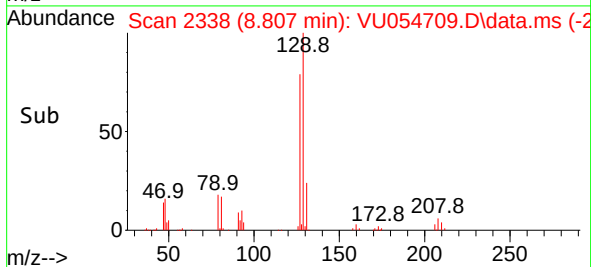
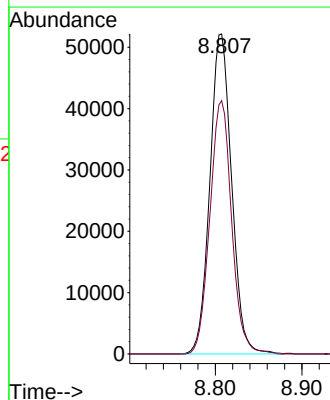
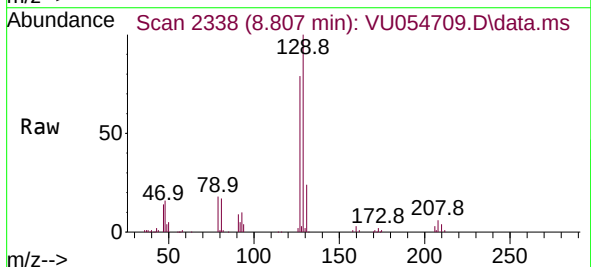
Ion	Ratio	Lower	Upper
43	100		
58	53.7	45.2	67.8
57	18.8	15.8	23.6
100	10.2	8.7	13.1

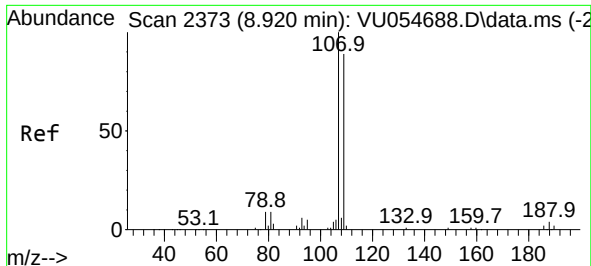


#49
Dibromochloromethane
Concen: 5.310 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.003 min
Lab File: VU054709.D
Acq: 30 Jun 2023 09:08

Tgt Ion: 129 Resp: 90949

Ion	Ratio	Lower	Upper
129	100		
127	79.2	53.2	98.8

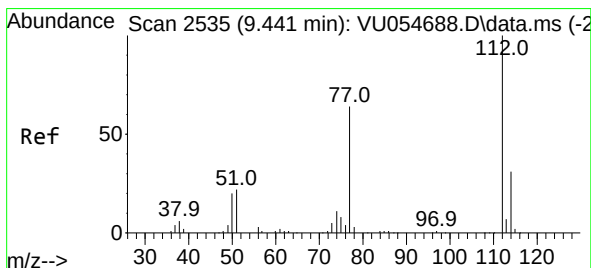
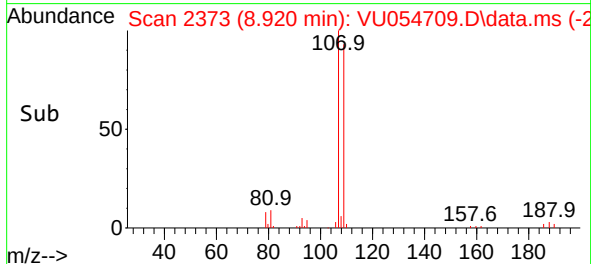
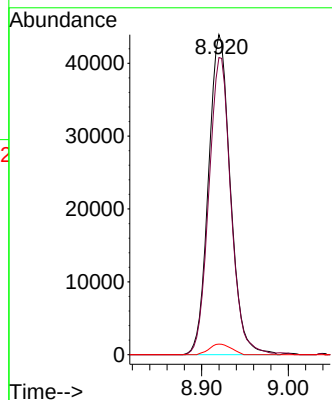
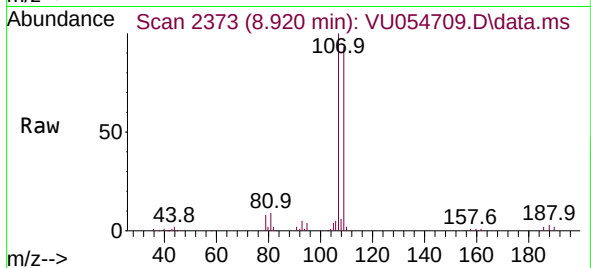




#50
1,2-Dibromoethane
Concen: 5.163 ug/L
RT: 8.920 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054709.D
Acq: 30 Jun 2023 09:08

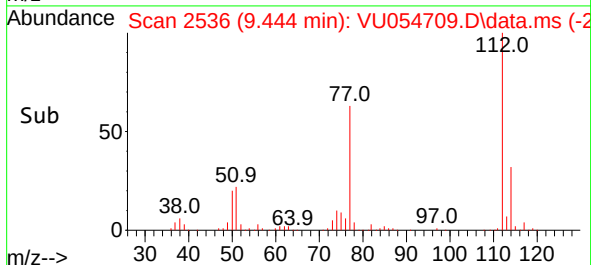
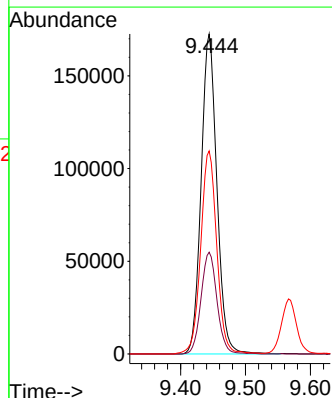
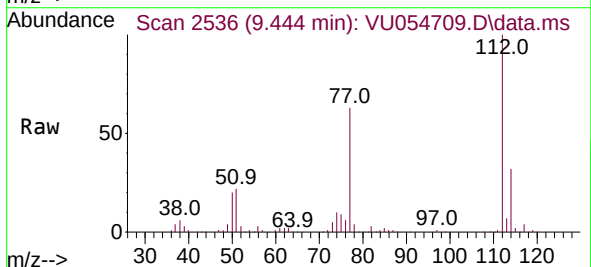
Instrument :
MSVOA_U
ClientSampleId :
VSTD005084

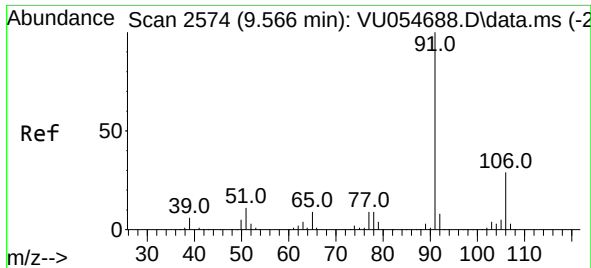
Tgt Ion:107 Resp: 77322
Ion Ratio Lower Upper
107 100
109 92.9 66.6 123.6
188 3.3 3.1 4.7



#51
Chlorobenzene
Concen: 4.779 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. -0.000 min
Lab File: VU054709.D
Acq: 30 Jun 2023 09:08

Tgt Ion:112 Resp: 290921
Ion Ratio Lower Upper
112 100
114 31.8 22.7 42.1
77 63.5 49.8 74.8

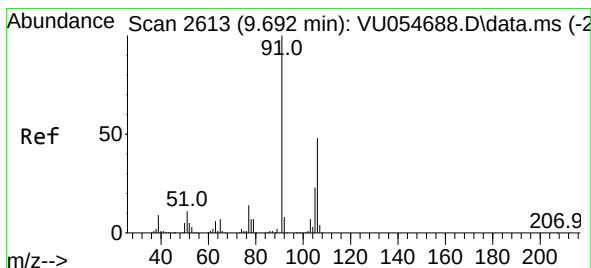
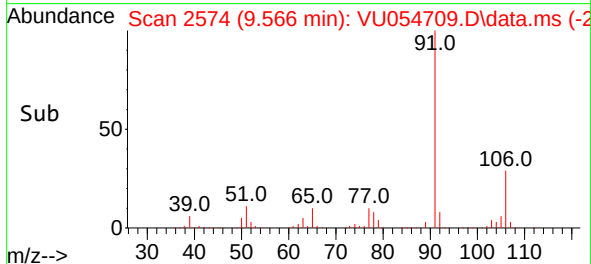
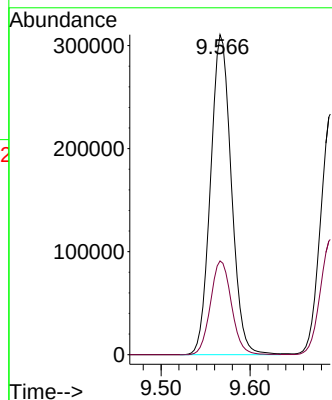
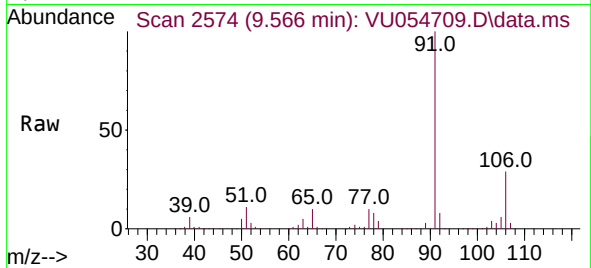




#52
Ethylbenzene
Concen: 4.713 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054709.D
Acq: 30 Jun 2023 09:08

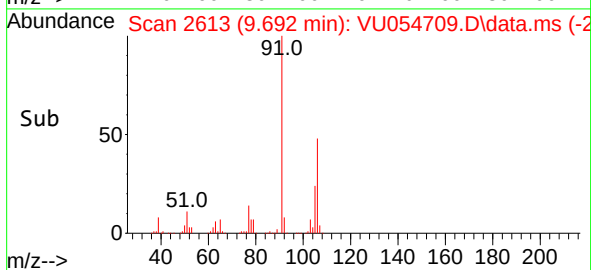
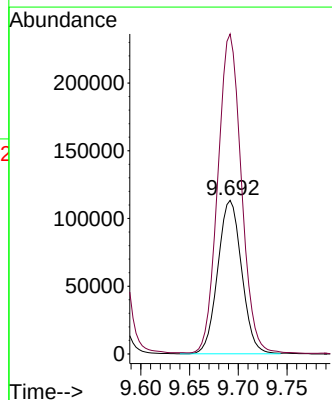
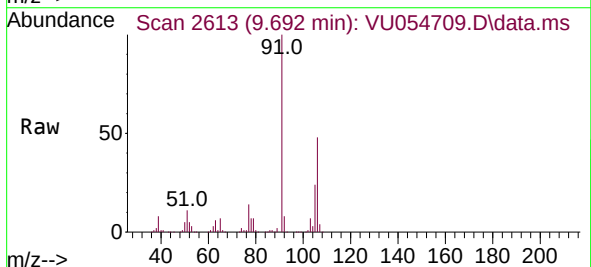
Instrument :
MSVOA_U
ClientSampleId :
VSTD005084

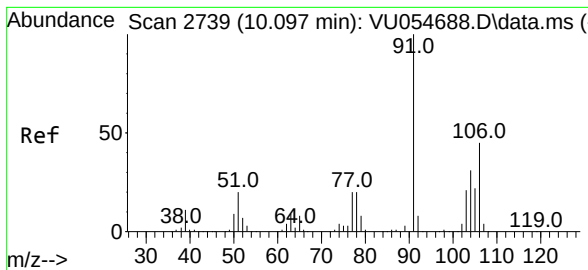
Tgt Ion: 91 Resp: 502743
Ion Ratio Lower Upper
91 100
106 29.3 21.1 39.3



#53
m,p-Xylene
Concen: 4.918 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU054709.D
Acq: 30 Jun 2023 09:08

Tgt Ion: 106 Resp: 192703
Ion Ratio Lower Upper
106 100
91 208.3 147.0 273.0

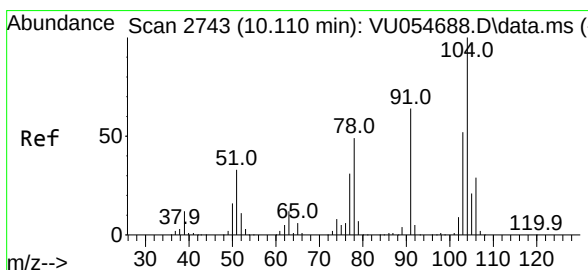
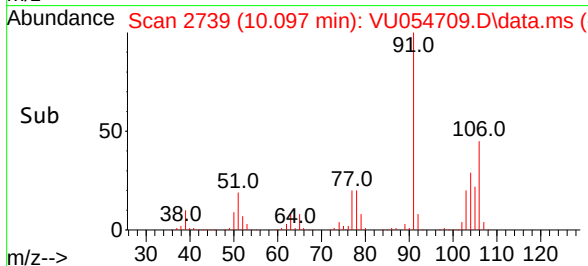
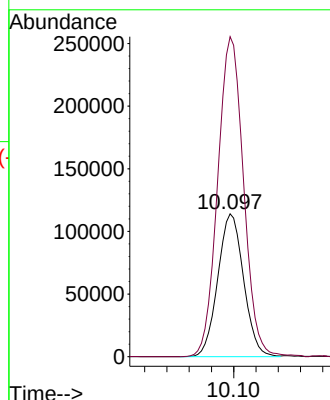
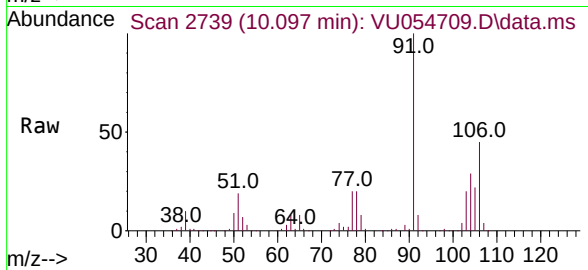




#54
o-Xylene
Concen: 4.836 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. -0.000 min
Lab File: VU054709.D
Acq: 30 Jun 2023 09:08

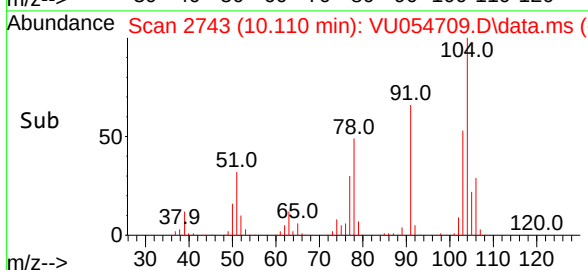
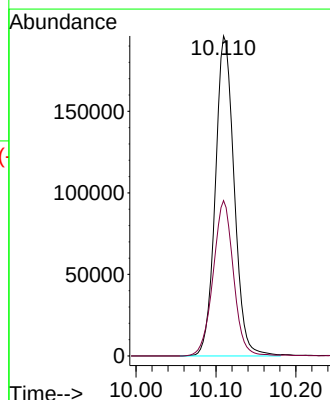
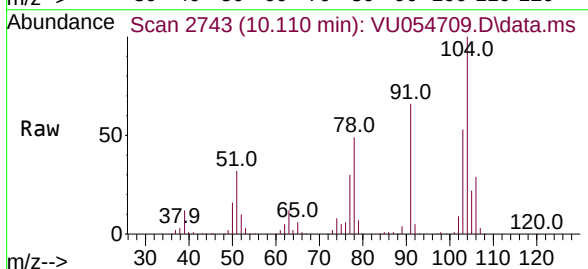
Instrument :
MSVOA_U
ClientSampleId :
VSTD005084

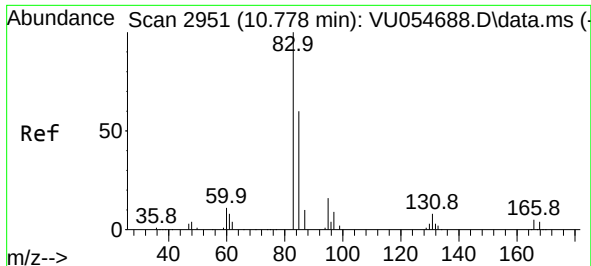
Tgt Ion:106 Resp: 183255
Ion Ratio Lower Upper
106 100
91 223.9 154.5 286.9



#55
Styrene
Concen: 5.053 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.000 min
Lab File: VU054709.D
Acq: 30 Jun 2023 09:08

Tgt Ion:104 Resp: 321338
Ion Ratio Lower Upper
104 100
78 48.6 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 5.434 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. 0.003 min

Lab File: VU054709.D

Acq: 30 Jun 2023 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD005084

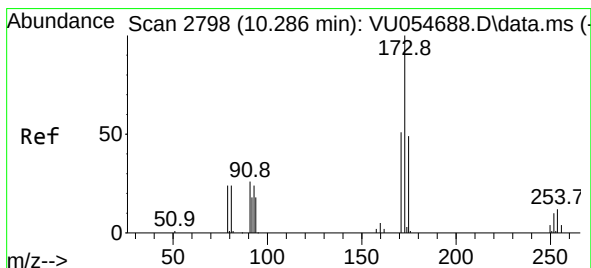
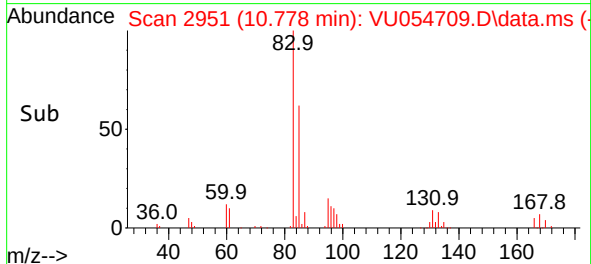
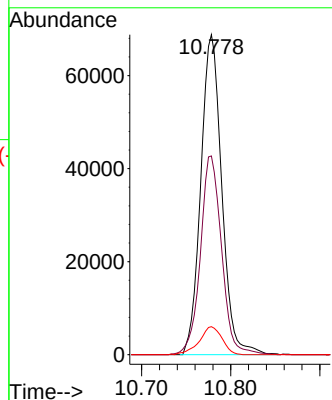
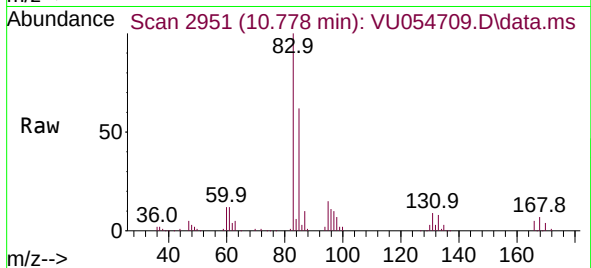
Tgt Ion: 83 Resp: 112588

Ion Ratio Lower Upper

83 100

85 62.1 44.2 82.2

131 8.8 7.0 10.6



#59

Bromoform

Concen: 5.867 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. -0.000 min

Lab File: VU054709.D

Acq: 30 Jun 2023 09:08

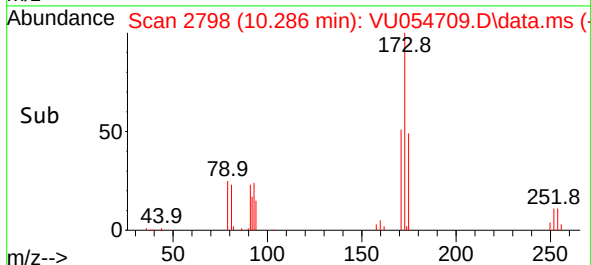
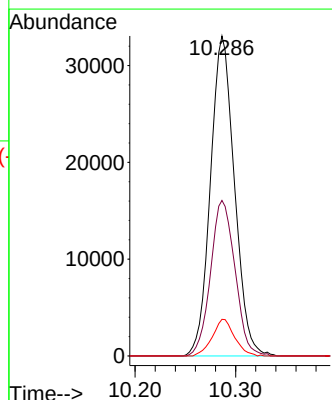
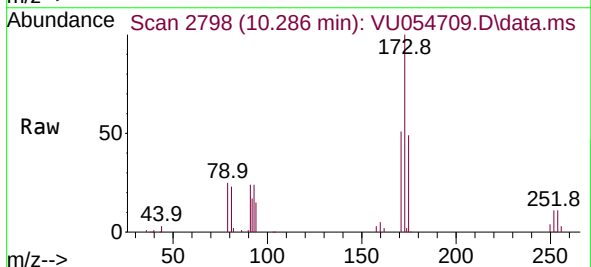
Tgt Ion: 173 Resp: 54875

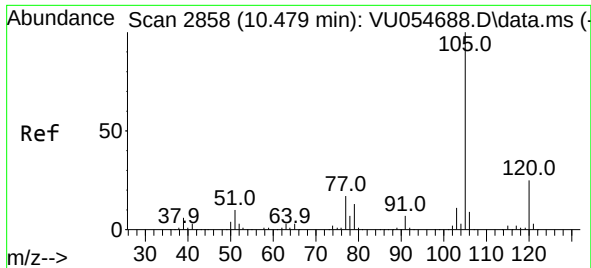
Ion Ratio Lower Upper

173 100

175 49.4 39.4 59.0

254 10.7 8.6 12.8

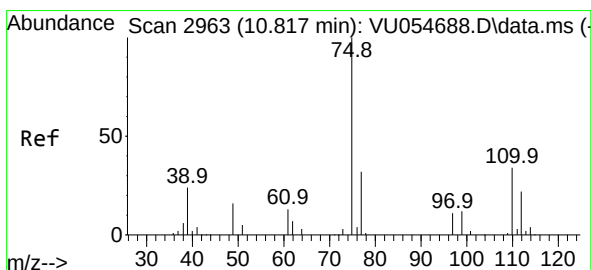
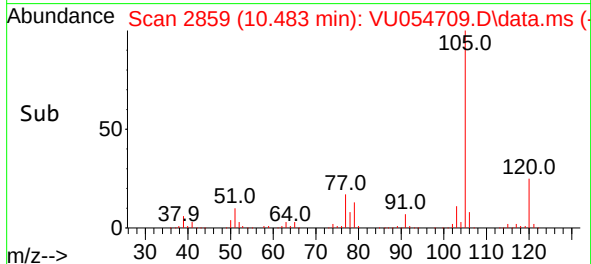
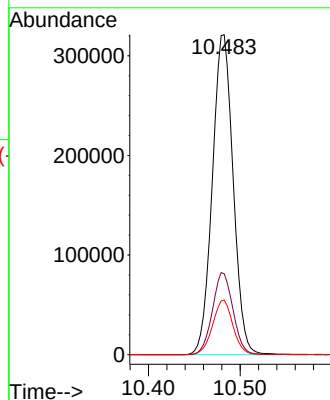
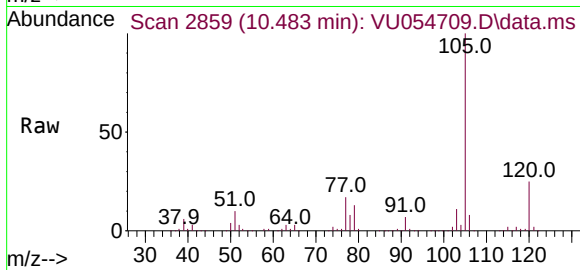




#60
Isopropylbenzene
Concen: 5.315 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. 0.003 min
Lab File: VU054709.D
Acq: 30 Jun 2023 09:08

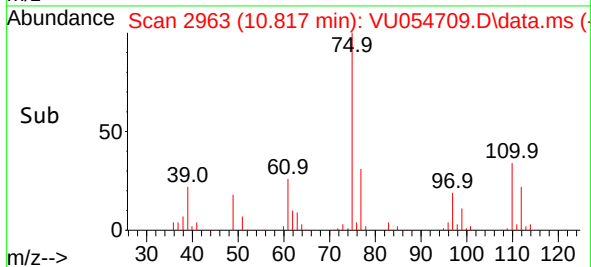
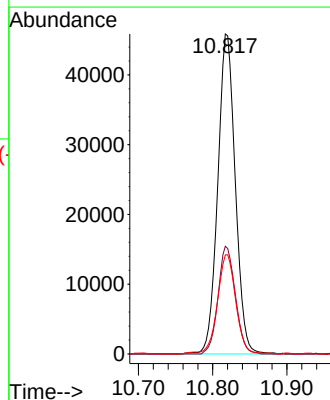
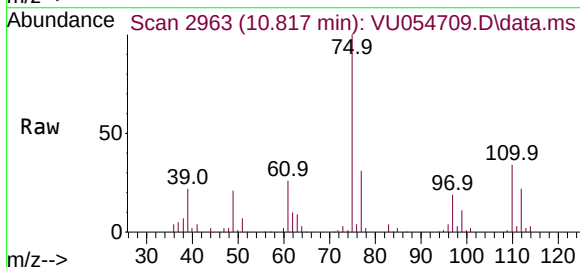
Instrument :
MSVOA_U
ClientSampleId :
VSTD005084

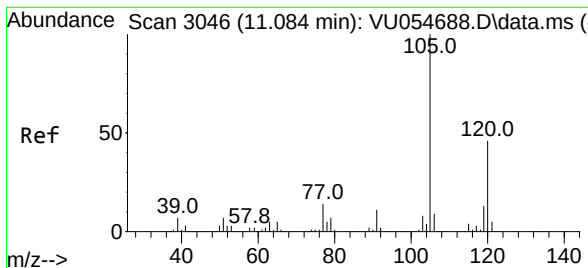
Tgt Ion:105 Resp: 506601
Ion Ratio Lower Upper
105 100
120 25.4 20.9 31.3
77 16.7 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 5.725 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.003 min
Lab File: VU054709.D
Acq: 30 Jun 2023 09:08

Tgt Ion: 75 Resp: 75377
Ion Ratio Lower Upper
75 100
110 33.2 28.0 42.0
77 32.5 25.4 38.2





#62

1,3,5-Trimethylbenzene

Concen: 5.078 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU054709.D

Acq: 30 Jun 2023 09:08

Instrument :

MSVOA_U

ClientSampleId :

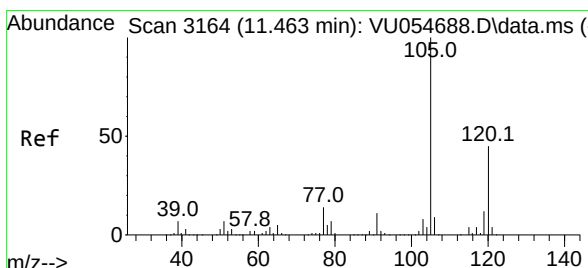
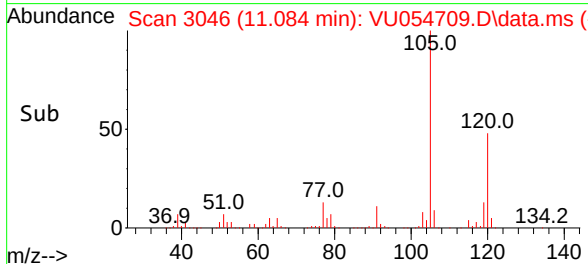
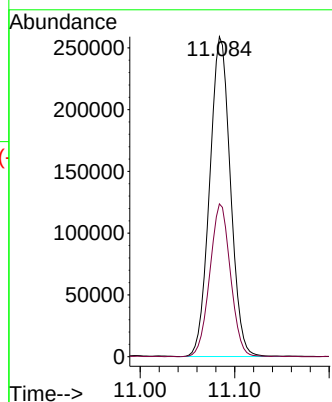
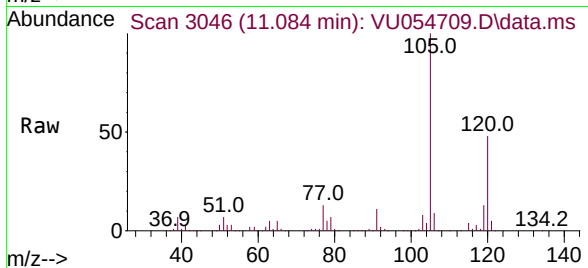
VSTD005084

Tgt Ion:105 Resp: 394870

Ion Ratio Lower Upper

105 100

120 47.6 37.9 56.9



#63

1,2,4-Trimethylbenzene

Concen: 5.101 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU054709.D

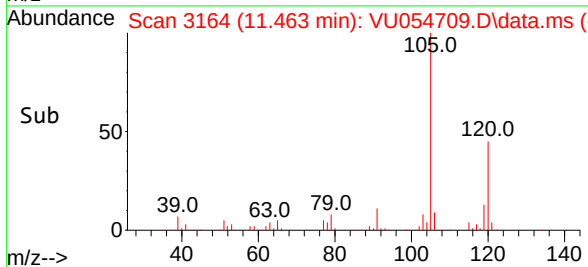
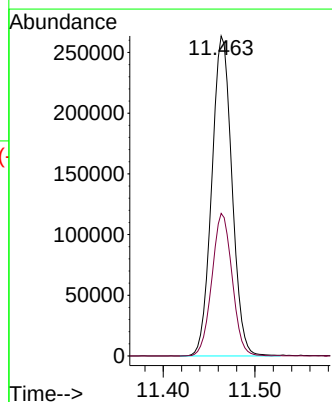
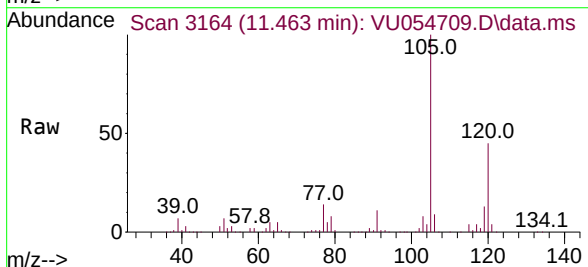
Acq: 30 Jun 2023 09:08

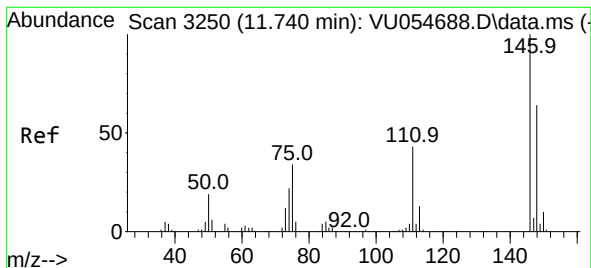
Tgt Ion:105 Resp: 402899

Ion Ratio Lower Upper

105 100

120 44.6 35.4 53.0





#64

1,3-Dichlorobenzene

Concen: 5.289 ug/L

RT: 11.743 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU054709.D

Acq: 30 Jun 2023 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD005084

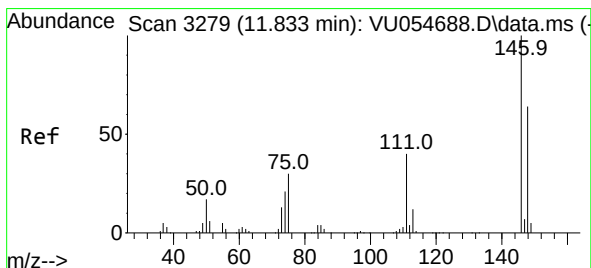
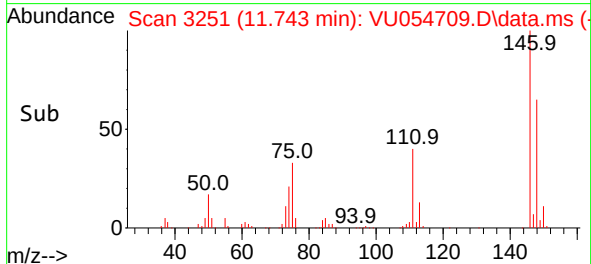
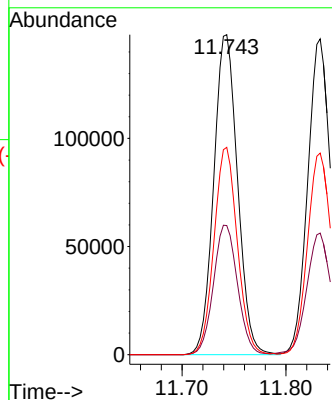
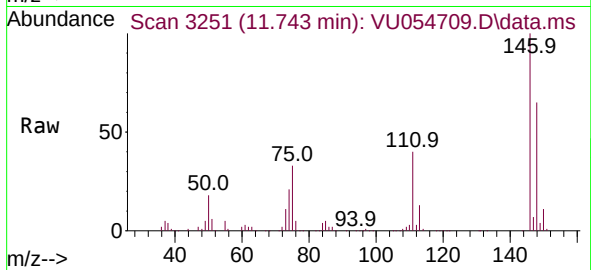
Tgt Ion:146 Resp: 235651

Ion Ratio Lower Upper

146 100

111 40.3 28.9 53.7

148 64.8 44.0 81.8



#65

1,4-Dichlorobenzene

Concen: 5.162 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.003 min

Lab File: VU054709.D

Acq: 30 Jun 2023 09:08

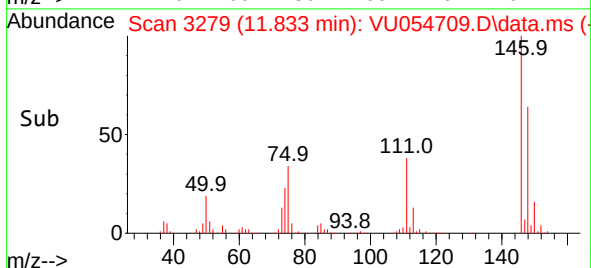
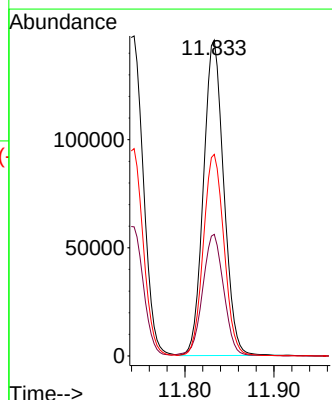
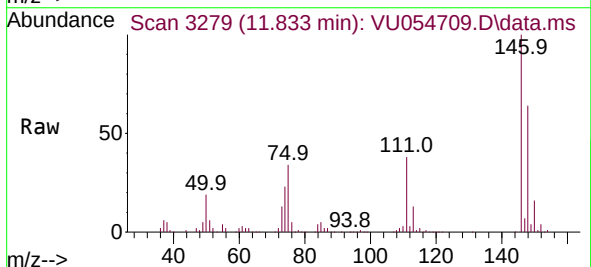
Tgt Ion:146 Resp: 230820

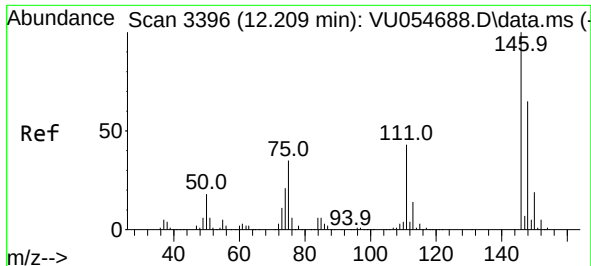
Ion Ratio Lower Upper

146 100

111 38.5 28.0 52.0

148 63.8 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 5.262 ug/L

RT: 12.209 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU054709.D

Acq: 30 Jun 2023 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD005084

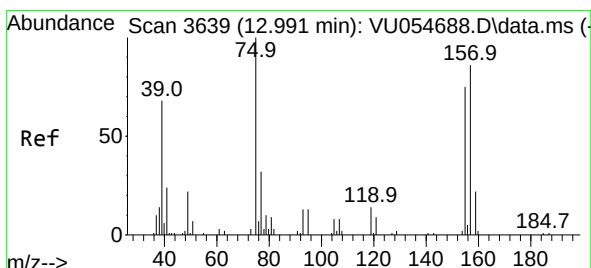
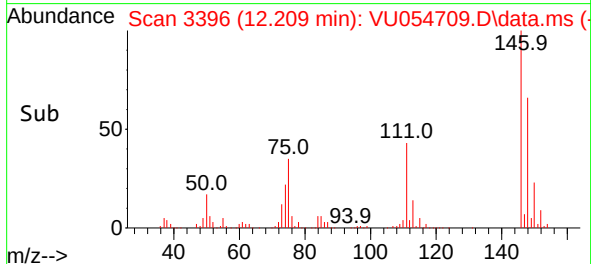
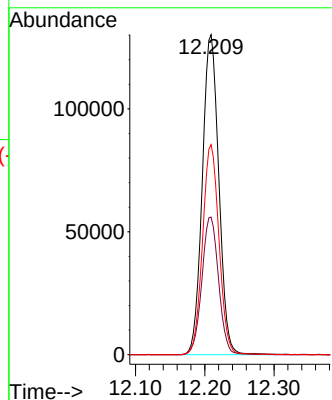
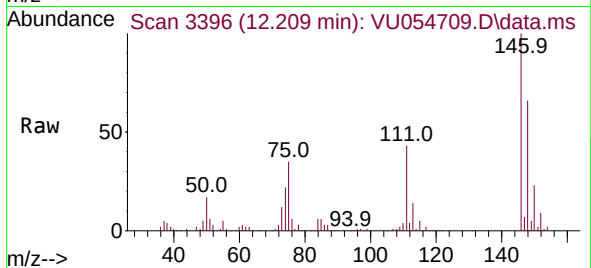
Tgt Ion:146 Resp: 215604

Ion Ratio Lower Upper

146 100

111 43.0 34.5 51.7

148 65.7 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 5.990 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. -0.003 min

Lab File: VU054709.D

Acq: 30 Jun 2023 09:08

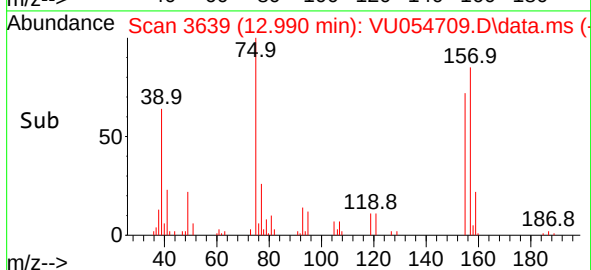
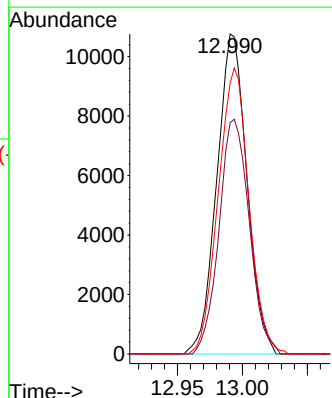
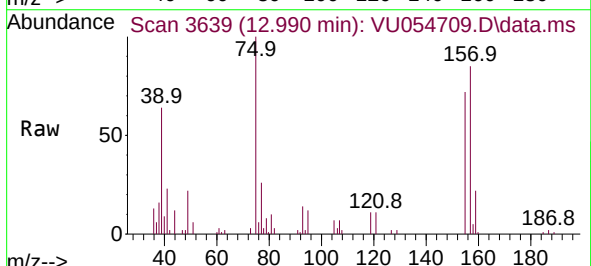
Tgt Ion: 75 Resp: 17333

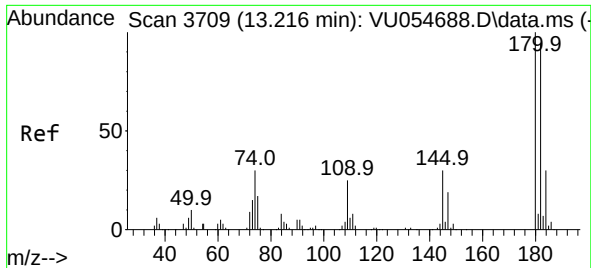
Ion Ratio Lower Upper

75 100

155 72.3 65.7 98.5

157 84.7 84.2 126.2





#69

1,3,5-Trichlorobenzene

Concen: 5.147 ug/L

RT: 13.216 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU054709.D

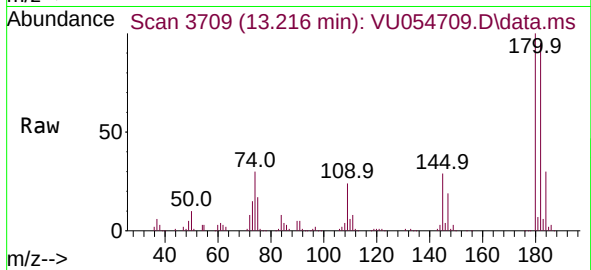
Acq: 30 Jun 2023 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD005084



Tgt Ion:180 Resp: 173005

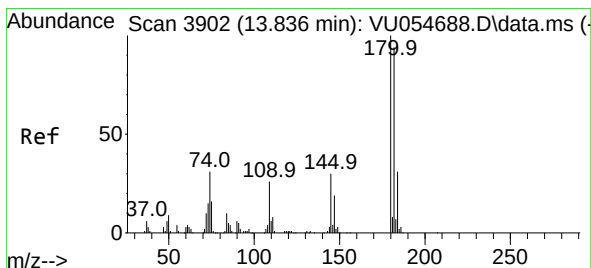
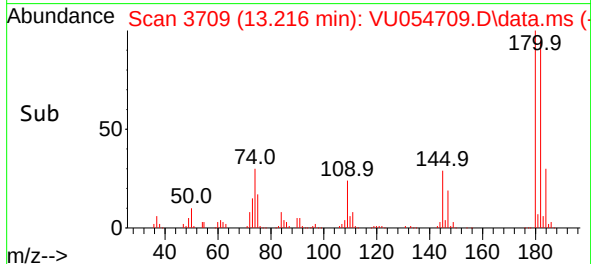
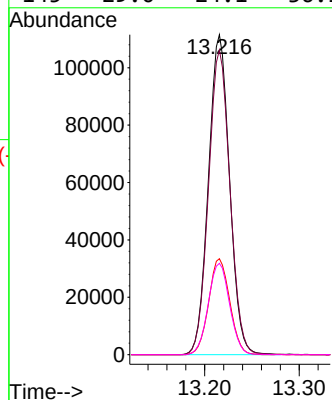
Ion Ratio Lower Upper

180 100

182 96.6 75.0 112.6

184 30.0 24.1 36.1

145 29.0 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 4.776 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU054709.D

Acq: 30 Jun 2023 09:08

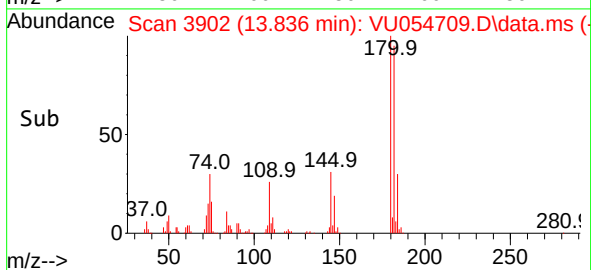
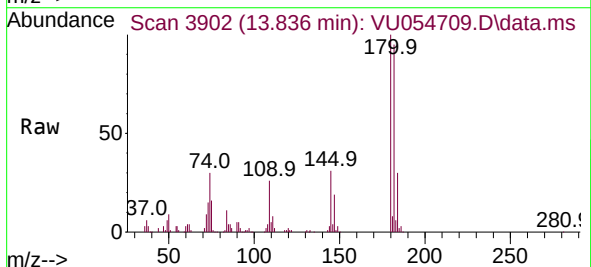
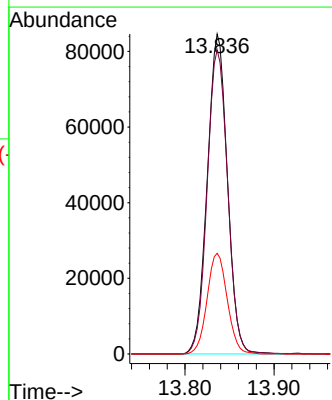
Tgt Ion:180 Resp: 132749

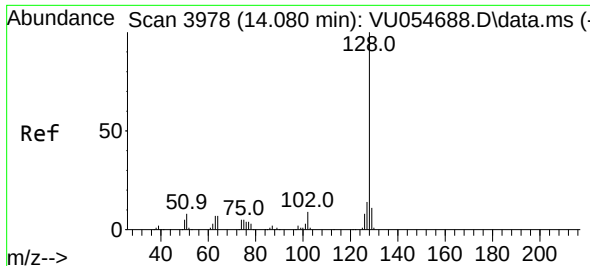
Ion Ratio Lower Upper

180 100

182 96.2 76.6 114.8

145 31.4 24.0 36.0

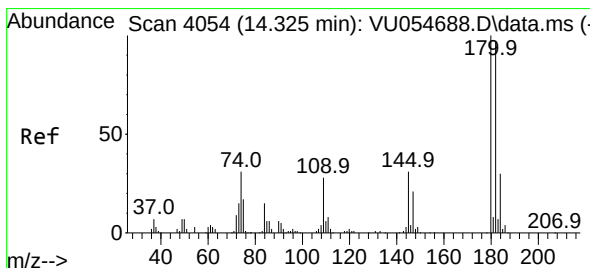
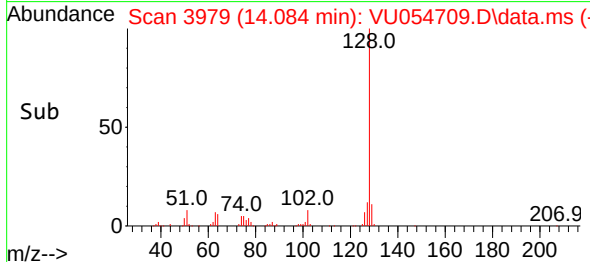
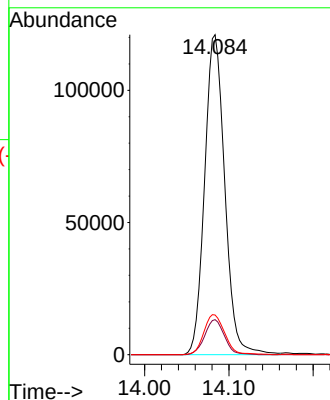
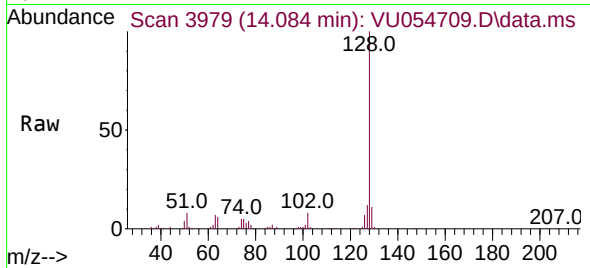




#71
Naphthalene
Concen: 4.463 ug/L
RT: 14.084 min Scan# 3978
Delta R.T. 0.003 min
Lab File: VU054709.D
Acq: 30 Jun 2023 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD005084

Tgt Ion:128 Resp: 201724
Ion Ratio Lower Upper
128 100
129 10.6 8.6 12.8
127 13.0 10.6 15.8



#72
1,2,3-Trichlorobenzene
Concen: 5.054 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.000 min
Lab File: VU054709.D
Acq: 30 Jun 2023 09:08

Tgt Ion:180 Resp: 120676
Ion Ratio Lower Upper
180 100
182 94.6 75.4 113.2
145 29.3 26.0 39.0

