

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071723\
 Data File : VU054798.D
 Acq On : 17 Jul 2023 17:45
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050103

Quant Time: Jul 18 06:02:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 18 05:50:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	231249	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	228793	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	129725	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	82024	45.892	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.780%
7) Chloroethane-d5	1.882	69	82122	45.931	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.860%
11) 1,1-Dichloroethene-d2	2.557	63	120194	46.881	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.760%
21) 2-Butanone-d5	4.618	46	121940	106.142	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.140%
24) Chloroform-d	5.055	84	136124	48.926	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.860%
26) 1,2-Dichloroethane-d4	5.695	65	84239	50.562	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.120%
32) Benzene-d6	5.721	84	268598	49.285	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.560%
36) 1,2-Dichloropropane-d6	6.685	67	90596	49.368	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.740%
41) Toluene-d8	7.894	98	256945	49.476	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.960%
43) trans-1,3-Dichloroprop...	8.177	79	43974	46.843	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.680%
47) 2-Hexanone-d5	8.631	63	88477	101.996	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.000%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	168613	50.024	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.040%
66) 1,2-Dichlorobenzene-d4	12.190	152	110890	49.745	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	64978	37.180	ug/L	97
3) Chloromethane	1.518	50	75904	38.084	ug/L	99
5) Vinyl chloride	1.602	62	105283	40.628	ug/L	99
6) Bromomethane	1.827	94	64252	40.737	ug/L	99
8) Chloroethane	1.907	64	75518	42.126	ug/L	99
9) Trichlorofluoromethane	2.120	101	185423	44.705	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.566	101	70961	46.378	ug/L	98
12) 1,1-Dichloroethene	2.566	96	62706	43.580	ug/L	92
13) Acetone	2.621	43	76452	79.120	ug/L	97
14) Carbon disulfide	2.782	76	134193	31.939	ug/L	99
15) Methyl Acetate	2.943	43	82569	51.230	ug/L	98
16) Methylene chloride	3.039	84	80150	46.143	ug/L	96
17) trans-1,2-Dichloroethene	3.345	96	63279	42.489	ug/L	97
18) Methyl tert-butyl Ether	3.357	73	260878	50.615	ug/L	100
19) 1,1-Dichloroethane	3.859	63	140117	49.306	ug/L	99
20) cis-1,2-Dichloroethene	4.660	96	84534	47.755	ug/L	98
22) 2-Butanone	4.695	43	130949	98.160	ug/L	100
23) Bromochloromethane	4.968	128	42345	47.022	ug/L	93
25) Chloroform	5.081	83	150394	50.468	ug/L	98

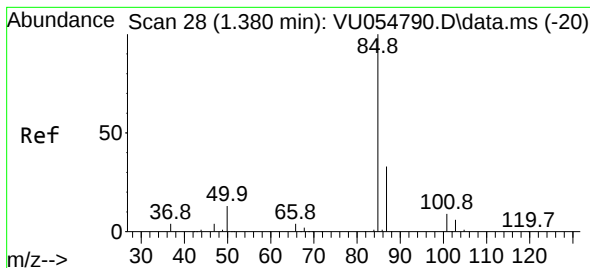
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071723\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	111653	49.337	ug/L	100
29) Cyclohexane	5.380	56	100588	39.983	ug/L	99
30) 1,1,1-Trichloroethane	5.309	97	126975	50.008	ug/L	98
31) Carbon tetrachloride	5.518	117	102836	46.899	ug/L	98
33) Benzene	5.769	78	307523	46.912	ug/L	100
34) Trichloroethene	6.537	95	76695	45.963	ug/L	95
35) Methylcyclohexane	6.759	83	107124	39.283	ug/L	99
37) 1,2-Dichloropropane	6.785	63	89833	49.828	ug/L	99
38) Bromodichloromethane	7.100	83	115996	50.150	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	137862	46.365	ug/L	96
40) 4-Methyl-2-pentanone	7.788	43	293358	106.268	ug/L	99
42) Toluene	7.965	91	347260	47.341	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	135612	48.544	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	91530	49.796	ug/L	97
46) Tetrachloroethene	8.550	164	55723	43.559	ug/L	93
48) 2-Hexanone	8.682	43	236708	103.505	ug/L	99
49) Dibromochloromethane	8.807	129	94761	50.052	ug/L	98
50) 1,2-Dibromoethane	8.920	107	96524	48.787	ug/L	96
51) Chlorobenzene	9.444	112	235487	49.347	ug/L	98
52) Ethylbenzene	9.566	91	402168	47.422	ug/L	96
53) m,p-Xylene	9.692	106	152314	47.172	ug/L	91
54) o-Xylene	10.097	106	157560	48.034	ug/L	89
55) Styrene	10.110	104	276373	48.377	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	184711	50.899	ug/L	98
59) Bromoform	10.286	173	82797	51.026	ug/L #	98
60) 1,2,3-Trichloropropane	10.820	75	131276	51.862	ug/L	98
61) Isopropylbenzene	10.479	105	425252	49.614	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	344548	48.811	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	315153	45.043	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	196018	49.311	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	198006	49.454	ug/L	87
67) 1,2-Dichlorobenzene	12.209	146	201359	50.425	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.991	75	35894	53.056	ug/L	93
69) 1,3,5-Trichlorobenzene	13.216	180	134646	50.530	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	119270	51.846	ug/L	99
71) Naphthalene	14.084	128	384522	50.926	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	116999	52.227	ug/L	99

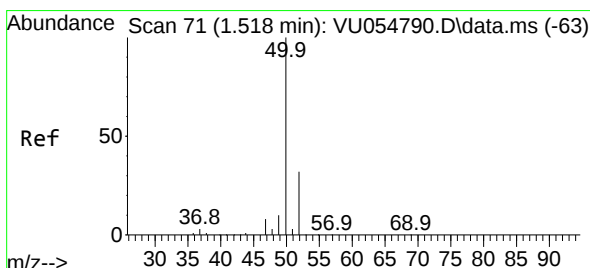
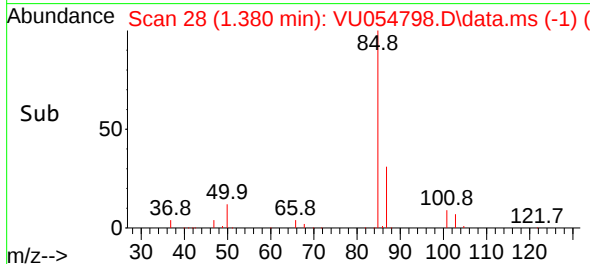
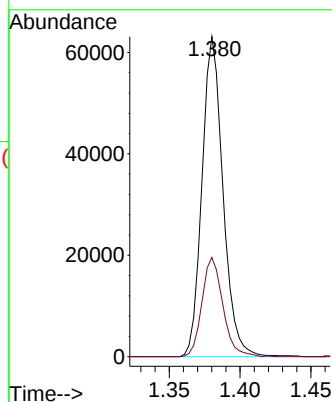
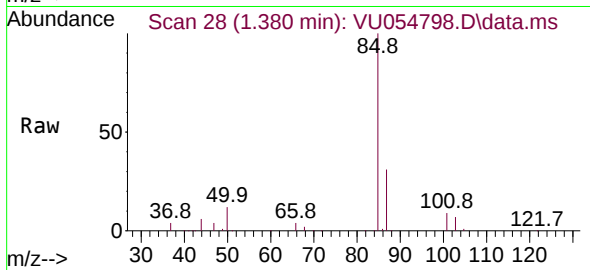
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#2
 Dichlorodifluoromethane
 Concen: 37.180 ug/L
 RT: 1.380 min Scan# 28
 Delta R.T. -0.000 min
 Lab File: VU054798.D
 Acq: 17 Jul 2023 17:45

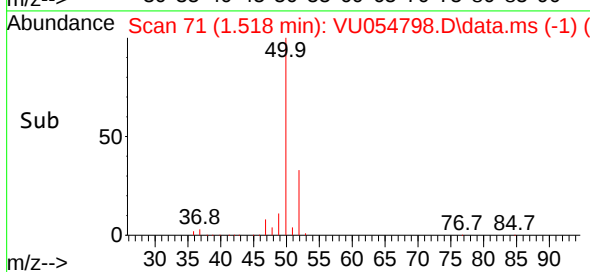
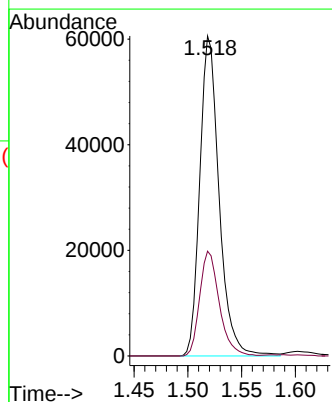
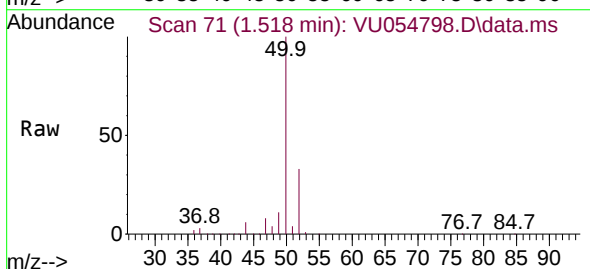
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050103

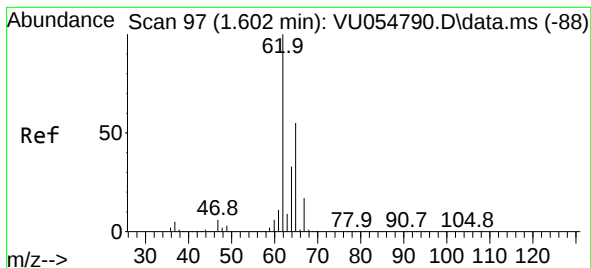
Tgt Ion: 85 Resp: 64978
 Ion Ratio Lower Upper
 85 100
 87 30.8 26.2 39.2



#3
 Chloromethane
 Concen: 38.084 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU054798.D
 Acq: 17 Jul 2023 17:45

Tgt Ion: 50 Resp: 75904
 Ion Ratio Lower Upper
 50 100
 52 32.8 22.5 41.9





#5

Vinyl chloride

Concen: 40.628 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU054798.D

Acq: 17 Jul 2023 17:45

Instrument :

MSVOA_U

ClientSampleId :

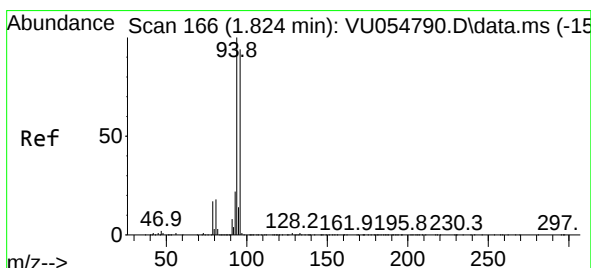
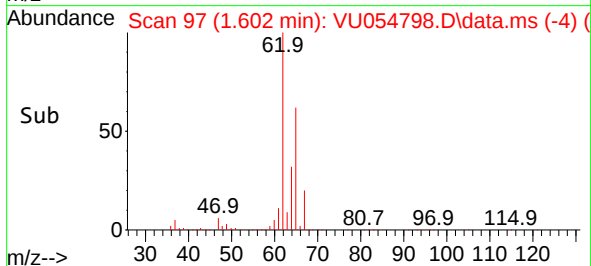
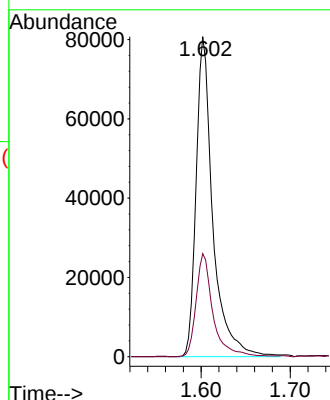
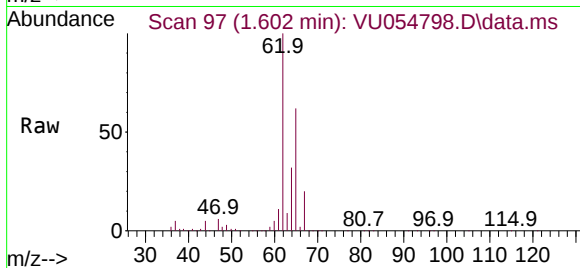
VSTD050103

Tgt Ion: 62 Resp: 105283

Ion Ratio Lower Upper

62 100

64 32.2 22.9 42.5



#6

Bromomethane

Concen: 40.737 ug/L

RT: 1.827 min Scan# 167

Delta R.T. 0.003 min

Lab File: VU054798.D

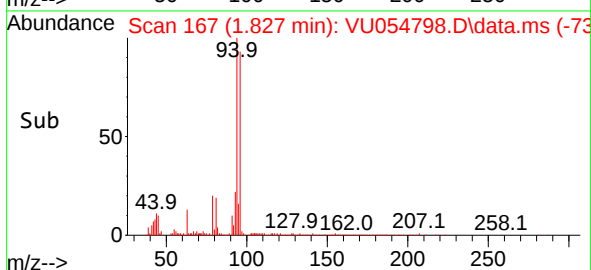
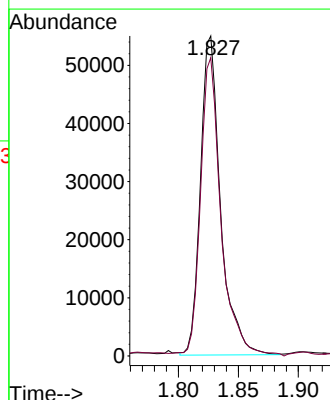
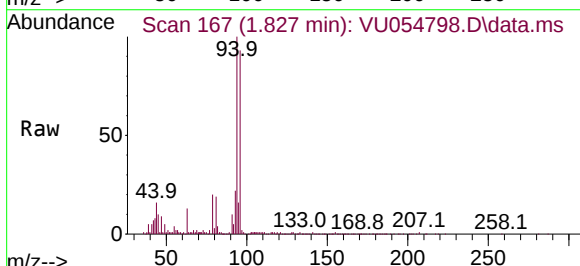
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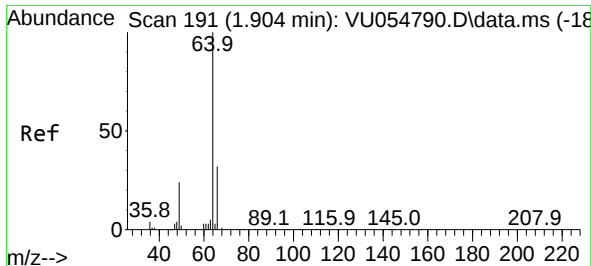
Tgt Ion: 94 Resp: 64252

Ion Ratio Lower Upper

94 100

96 93.2 66.1 122.8

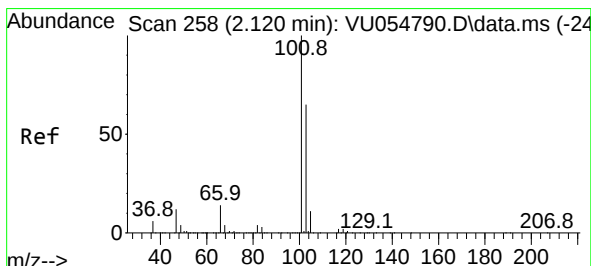
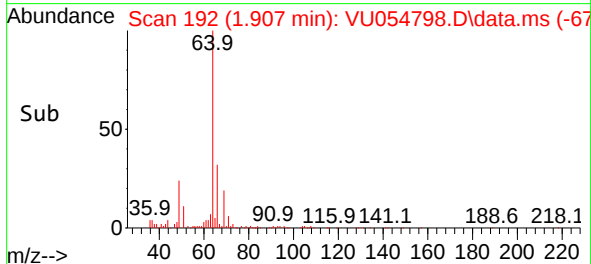
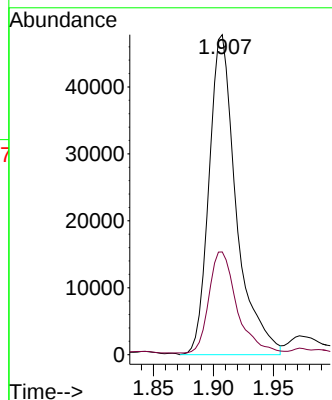
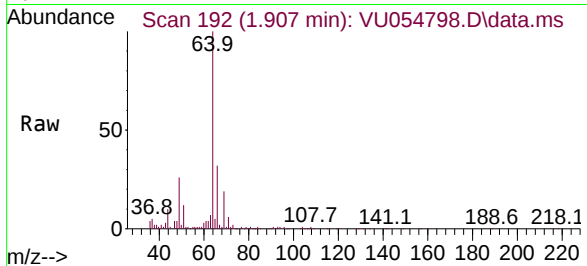




#8
Chloroethane
Concen: 42.126 ug/L
RT: 1.907 min Scan# 191
Delta R.T. 0.003 min
Lab File: VU054798.D
Acq: 17 Jul 2023 17:45

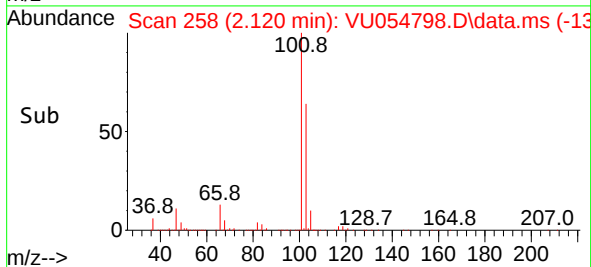
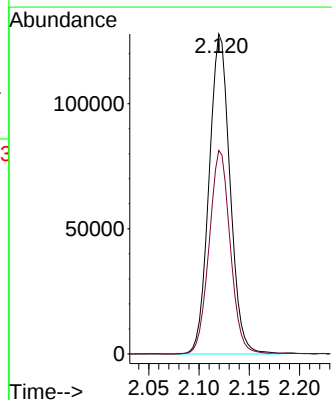
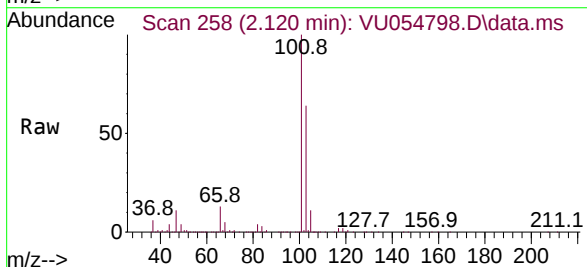
Instrument :
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ClientSampleId :
VSTD050103

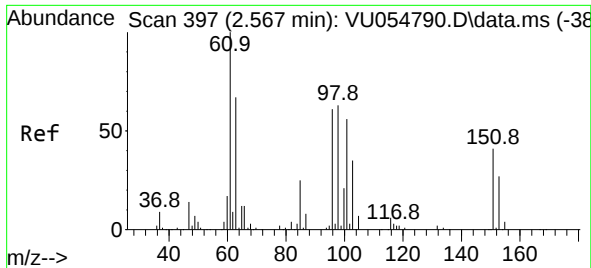
Tgt Ion: 64 Resp: 75518
Ion Ratio Lower Upper
64 100
66 32.1 22.8 42.4



#9
Trichlorofluoromethane
Concen: 44.705 ug/L
RT: 2.120 min Scan# 258
Delta R.T. -0.000 min
Lab File: VU054798.D
Acq: 17 Jul 2023 17:45

Tgt Ion: 101 Resp: 185423
Ion Ratio Lower Upper
101 100
103 64.0 52.2 78.2

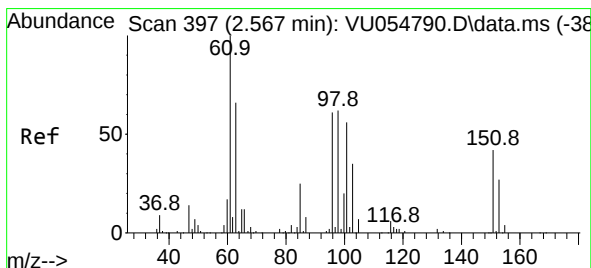
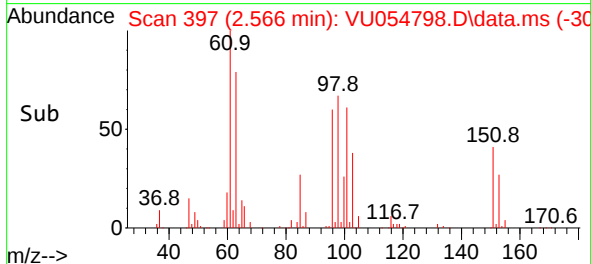
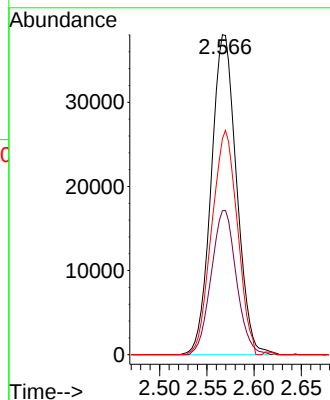
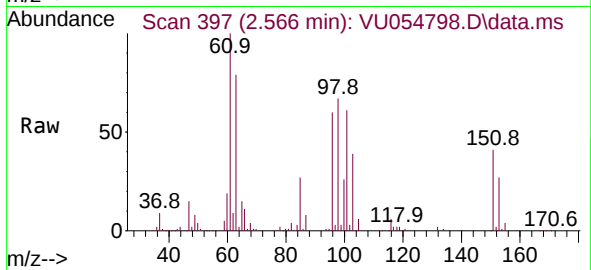




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 46.378 ug/L
RT: 2.566 min Scan# 397
Delta R.T. -0.000 min
Lab File: VU054798.D
Acq: 17 Jul 2023 17:45

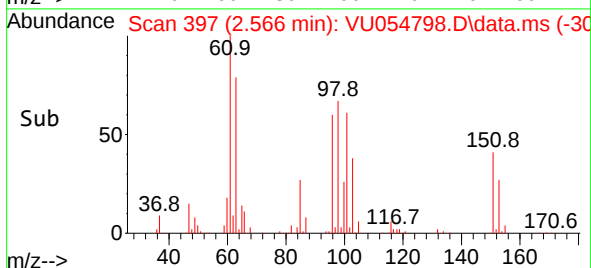
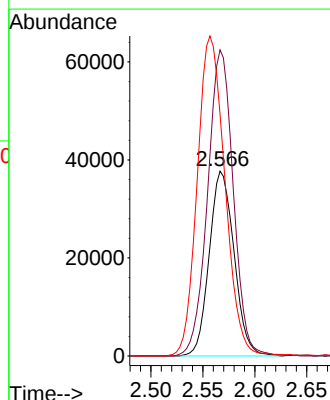
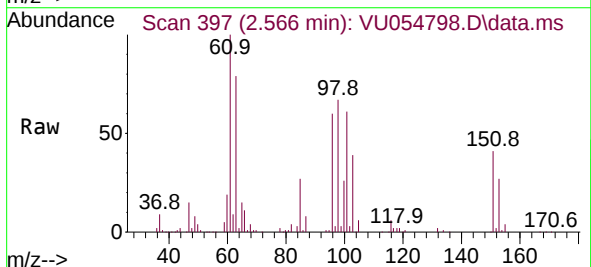
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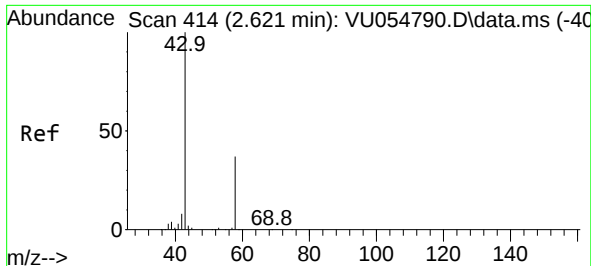
Tgt Ion:101 Resp: 70961
Ion Ratio Lower Upper
101 100
85 44.7 35.3 52.9
151 70.8 58.2 87.4



#12
1,1-Dichloroethene
Concen: 43.580 ug/L
RT: 2.566 min Scan# 397
Delta R.T. -0.000 min
Lab File: VU054798.D
Acq: 17 Jul 2023 17:45

Tgt Ion: 96 Resp: 62706
Ion Ratio Lower Upper
96 100
61 165.6 115.0 213.6
63 130.8 77.6 144.0





#13

Acetone

Concen: 79.120 ug/L

RT: 2.621 min Scan# 414

Delta R.T. -0.000 min

Lab File: VU054798.D

Acq: 17 Jul 2023 17:45

Instrument :

MSVOA_U

ClientSampleId :

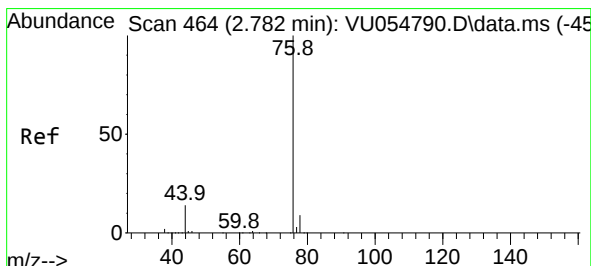
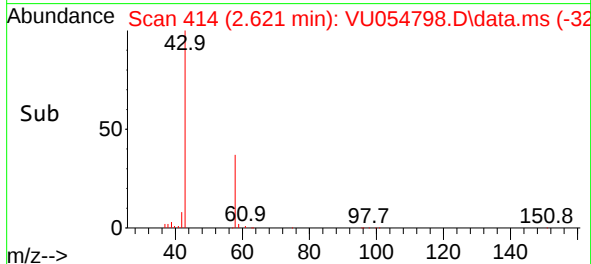
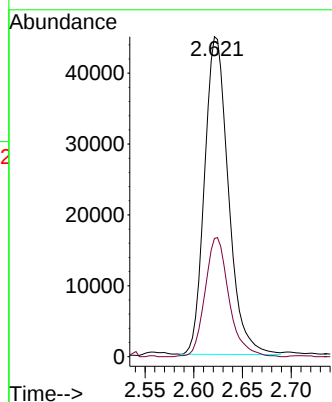
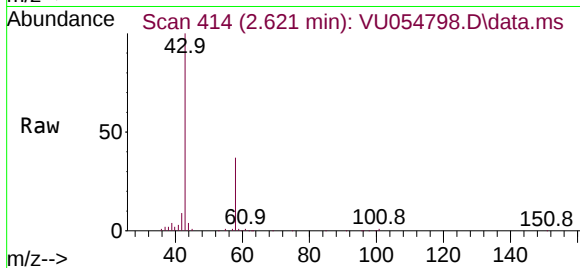
VSTD050103

Tgt Ion: 43 Resp: 76452

Ion Ratio Lower Upper

43 100

58 37.7 0.0 72.4



#14

Carbon disulfide

Concen: 31.939 ug/L

RT: 2.782 min Scan# 464

Delta R.T. -0.000 min

Lab File: VU054798.D

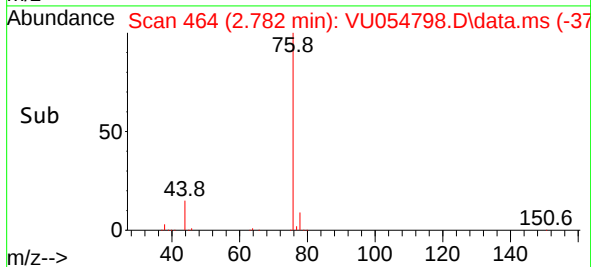
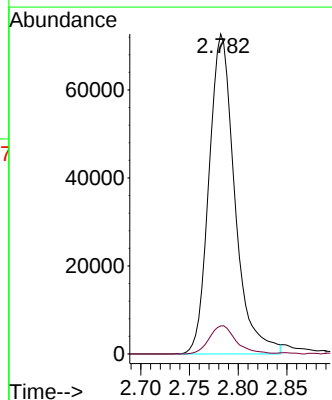
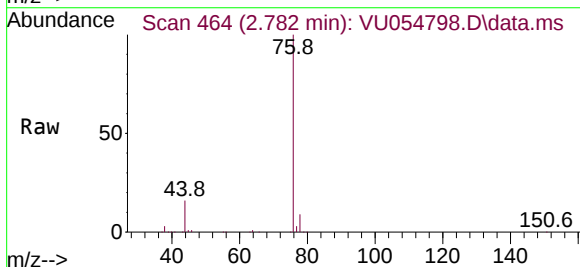
Acq: 17 Jul 2023 17:45

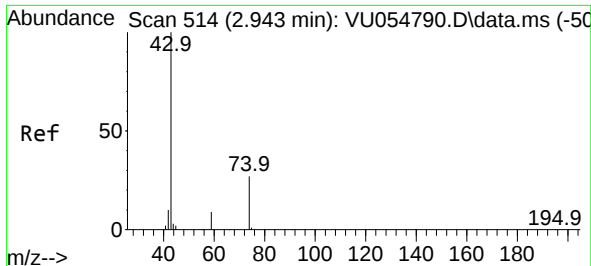
Tgt Ion: 76 Resp: 134193

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0

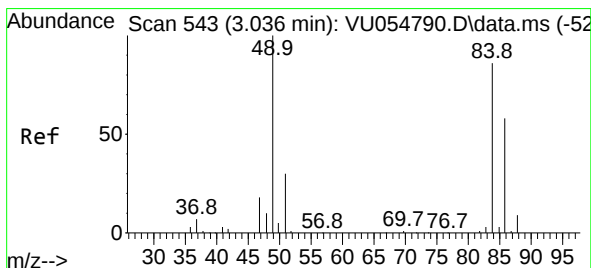
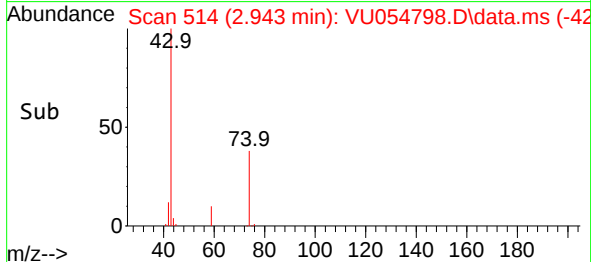
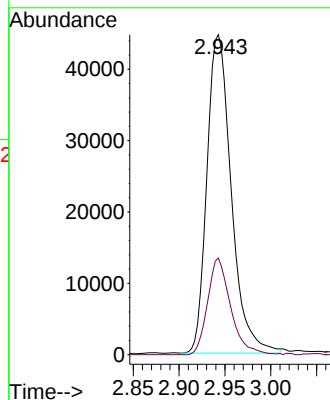
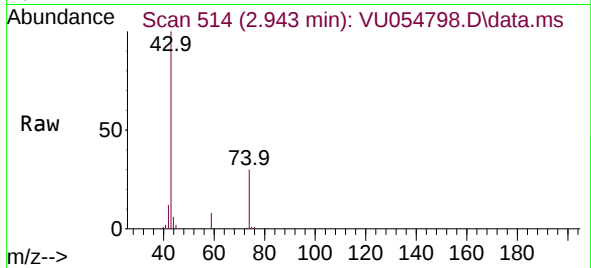




#15
Methyl Acetate
Concen: 51.230 ug/L
RT: 2.943 min Scan# 514
Delta R.T. -0.000 min
Lab File: VU054798.D
Acq: 17 Jul 2023 17:45

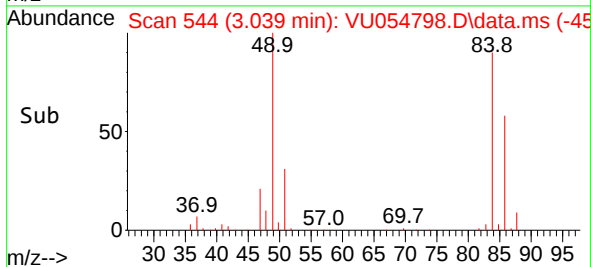
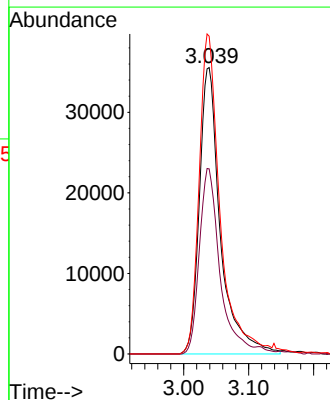
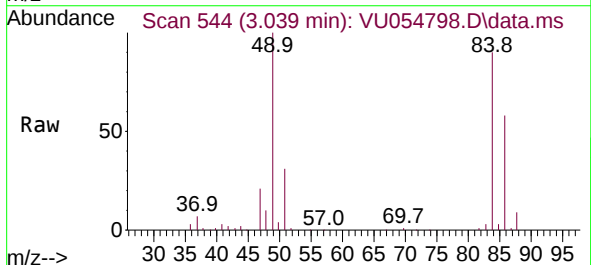
Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

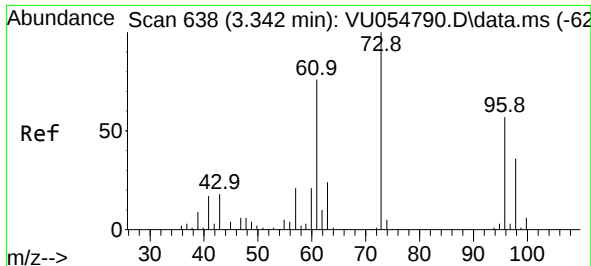
Tgt Ion: 43 Resp: 82569
Ion Ratio Lower Upper
43 100
74 28.6 21.8 32.8



#16
Methylene chloride
Concen: 46.143 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.003 min
Lab File: VU054798.D
Acq: 17 Jul 2023 17:45

Tgt Ion: 84 Resp: 80150
Ion Ratio Lower Upper
84 100
86 64.6 46.8 87.0
49 111.0 81.3 151.1





#17

trans-1,2-Dichloroethene

Concen: 42.489 ug/L

RT: 3.345 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU054798.D

Acq: 17 Jul 2023 17:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD050103

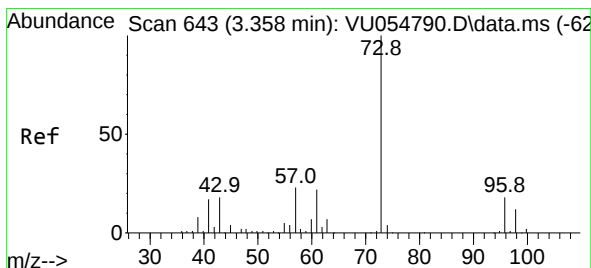
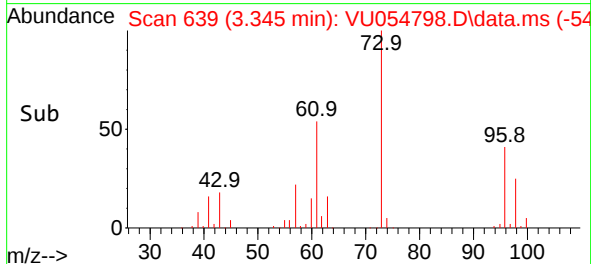
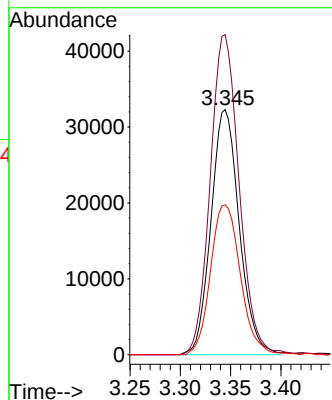
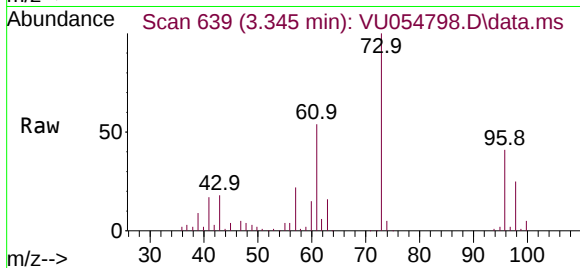
Tgt Ion: 96 Resp: 63279

Ion Ratio Lower Upper

96 100

61 130.6 93.2 173.2

98 61.1 44.7 82.9



#18

Methyl tert-butyl Ether

Concen: 50.615 ug/L

RT: 3.357 min Scan# 643

Delta R.T. -0.000 min

Lab File: VU054798.D

Acq: 17 Jul 2023 17:45

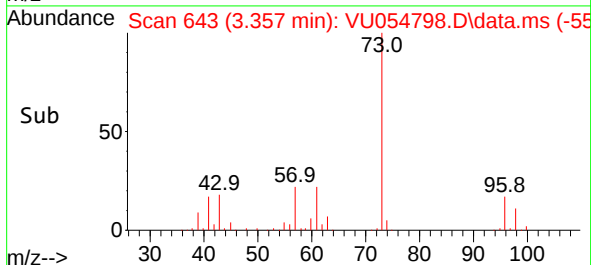
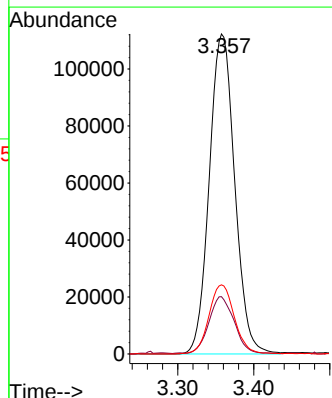
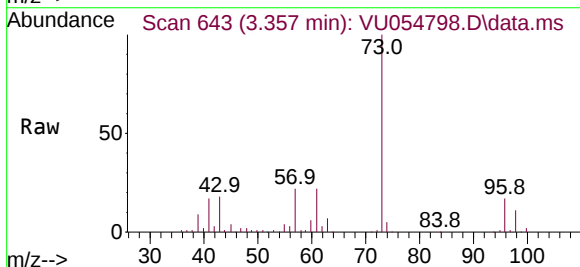
Tgt Ion: 73 Resp: 260878

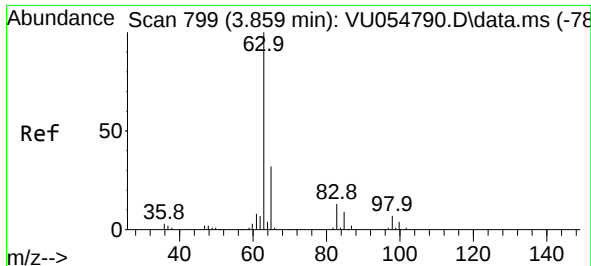
Ion Ratio Lower Upper

73 100

43 17.9 14.3 21.5

57 21.5 17.4 26.0





#19

1,1-Dichloroethane

Concen: 49.306 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.000 min

Lab File: VU054798.D

Acq: 17 Jul 2023 17:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD050103

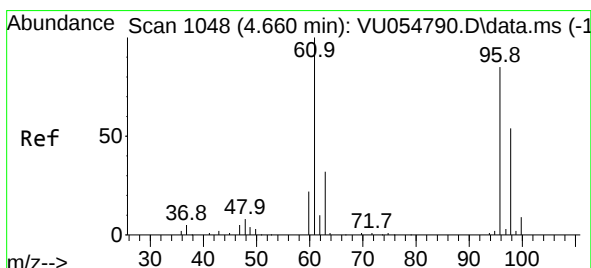
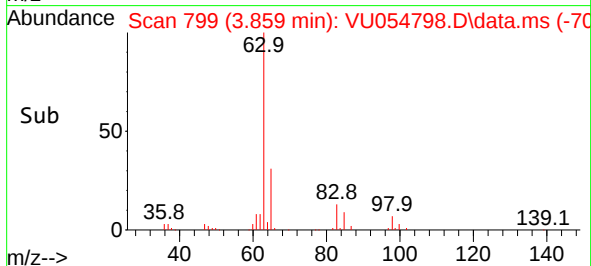
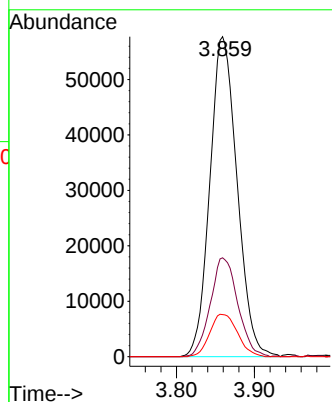
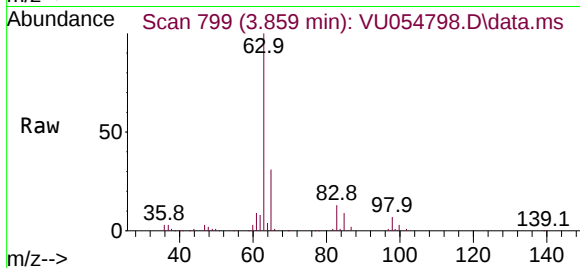
Tgt Ion: 63 Resp: 140117

Ion Ratio Lower Upper

63 100

65 30.9 22.1 41.1

83 14.0 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 47.755 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. -0.000 min

Lab File: VU054798.D

Acq: 17 Jul 2023 17:45

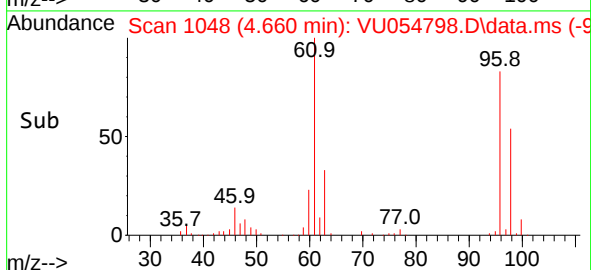
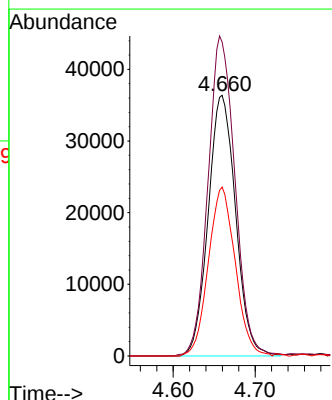
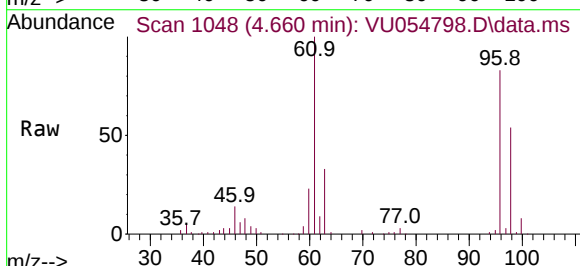
Tgt Ion: 96 Resp: 84534

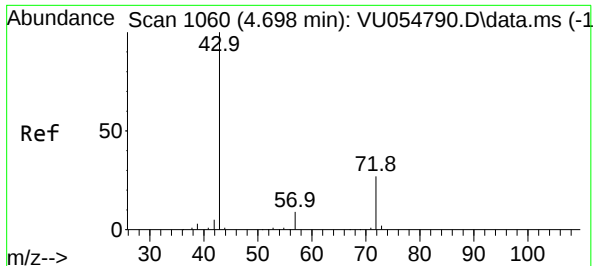
Ion Ratio Lower Upper

96 100

61 120.5 82.7 153.7

98 64.8 44.4 82.5





#22

2-Butanone

Concen: 98.160 ug/L

RT: 4.695 min Scan# 1059

Delta R.T. -0.003 min

Lab File: VU054798.D

Acq: 17 Jul 2023 17:45

Instrument :

MSVOA_U

ClientSampleId :

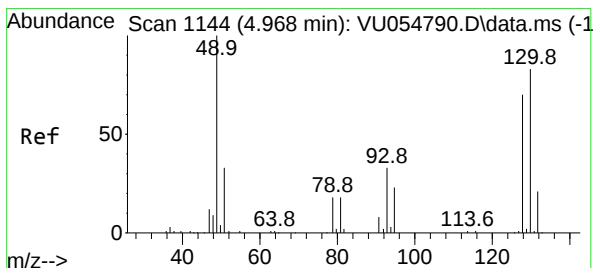
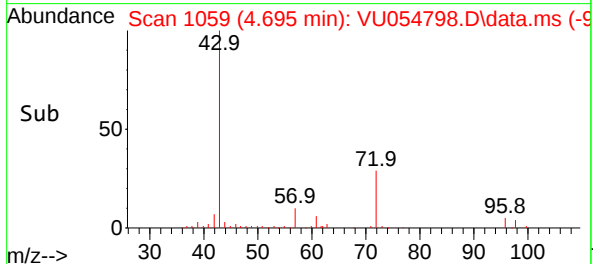
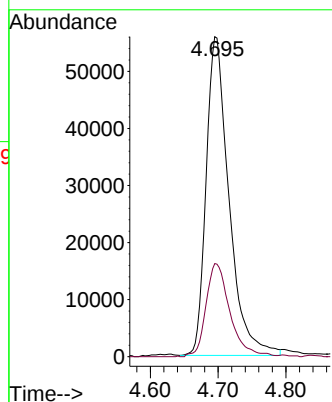
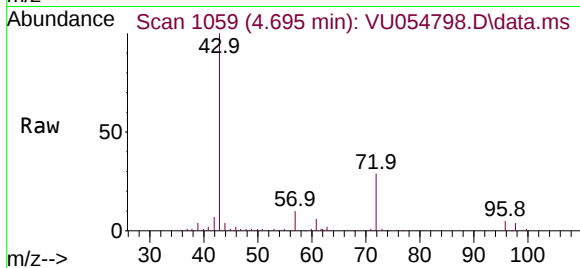
VSTD050103

Tgt Ion: 43 Resp: 130949

Ion Ratio Lower Upper

43 100

72 30.2 15.2 45.6



#23

Bromochloromethane

Concen: 47.022 ug/L

RT: 4.968 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VU054798.D

Acq: 17 Jul 2023 17:45

Tgt Ion: 128 Resp: 42345

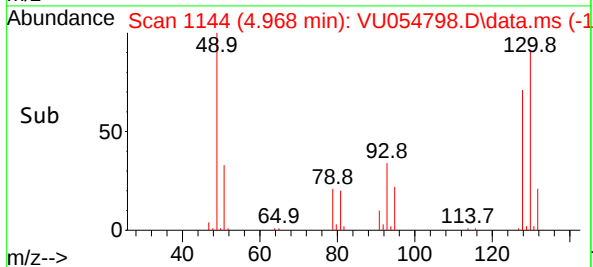
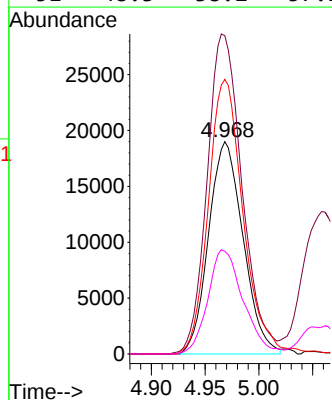
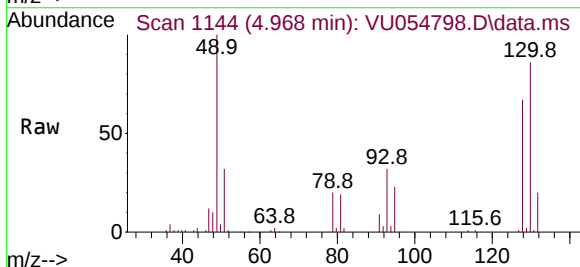
Ion Ratio Lower Upper

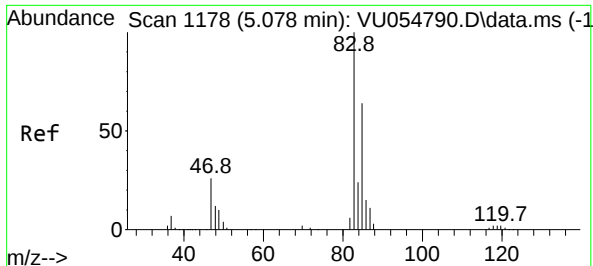
128 100

49 149.9 100.6 186.8

130 131.5 83.0 154.1

51 48.3 38.2 57.2





#25

Chloroform

Concen: 50.468 ug/L

RT: 5.081 min Scan# 1178

Delta R.T. 0.003 min

Lab File: VU054798.D

Acq: 17 Jul 2023 17:45

Instrument :

MSVOA_U

ClientSampleId :

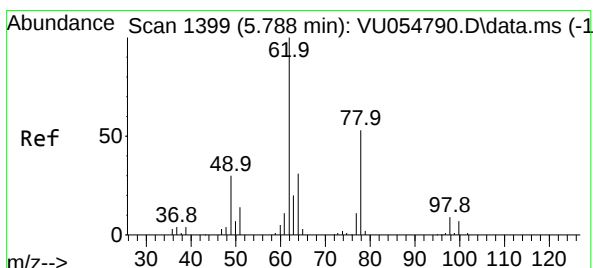
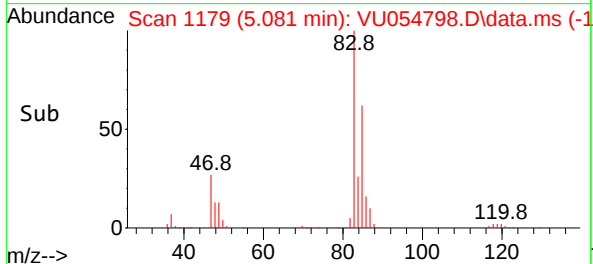
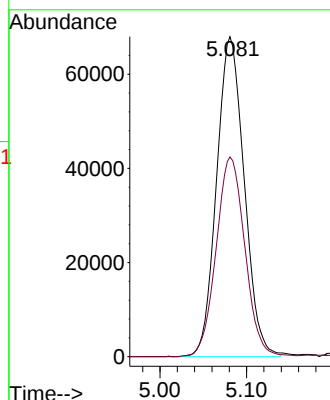
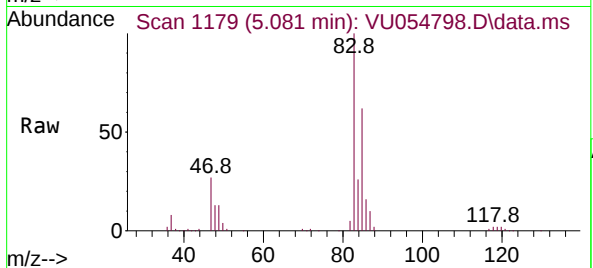
VSTD050103

Tgt Ion: 83 Resp: 150394

Ion Ratio Lower Upper

83 100

85 62.4 44.7 82.9



#27

1,2-Dichloroethane

Concen: 49.337 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU054798.D

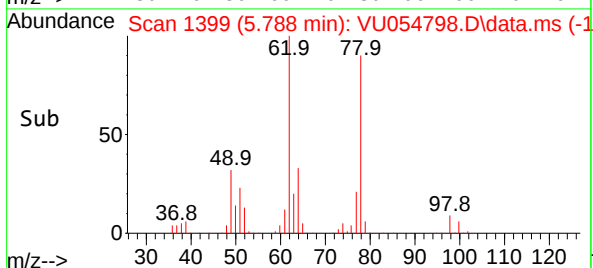
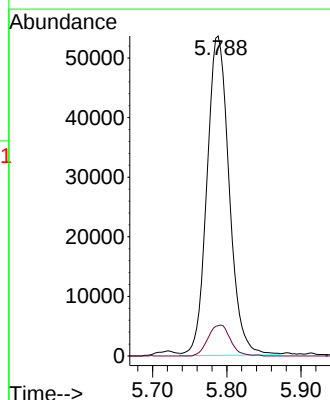
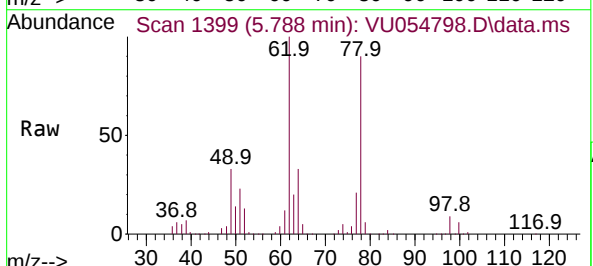
Acq: 17 Jul 2023 17:45

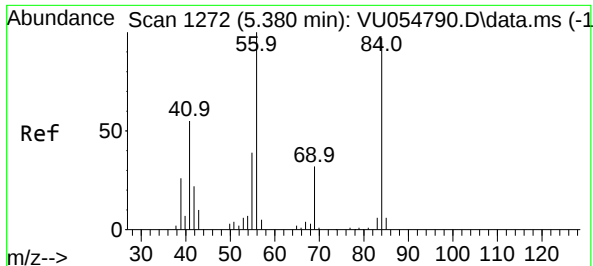
Tgt Ion: 62 Resp: 111653

Ion Ratio Lower Upper

62 100

98 9.5 7.5 11.3





#29

Cyclohexane

Concen: 39.983 ug/L

RT: 5.380 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU054798.D

Acq: 17 Jul 2023 17:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD050103

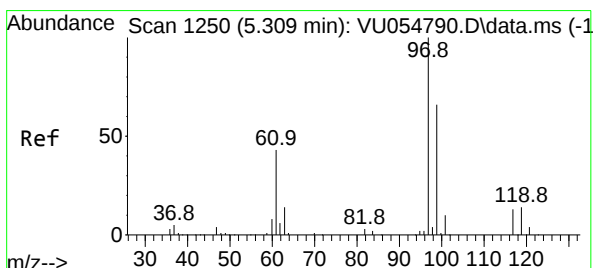
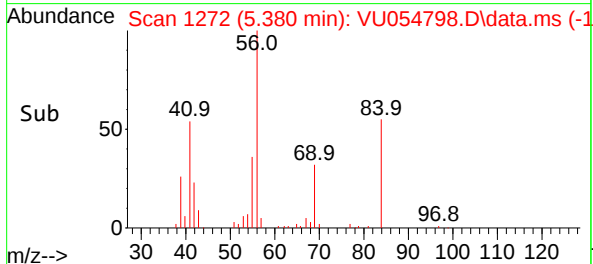
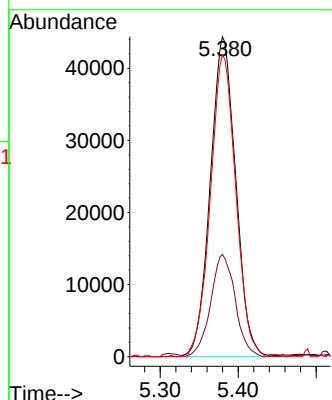
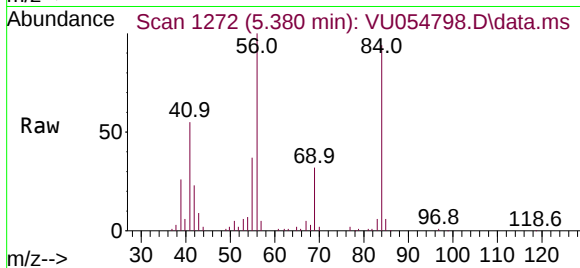
Tgt Ion: 56 Resp: 100588

Ion Ratio Lower Upper

56 100

69 30.8 25.8 38.8

84 94.0 75.9 113.9



#30

1,1,1-Trichloroethane

Concen: 50.008 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.000 min

Lab File: VU054798.D

Acq: 17 Jul 2023 17:45

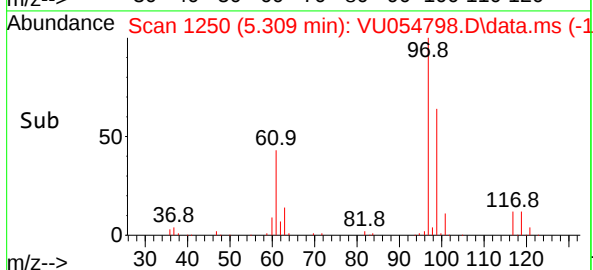
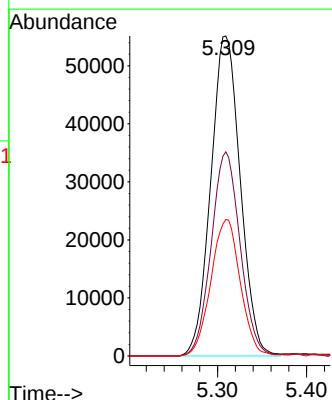
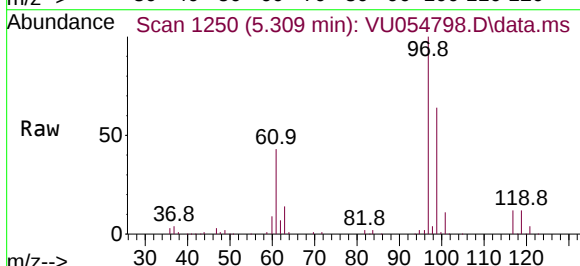
Tgt Ion: 97 Resp: 126975

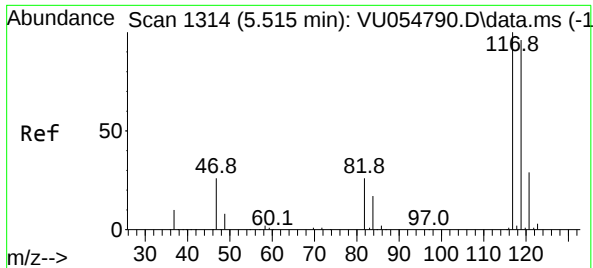
Ion Ratio Lower Upper

97 100

99 62.6 52.0 78.0

61 42.5 34.3 51.5

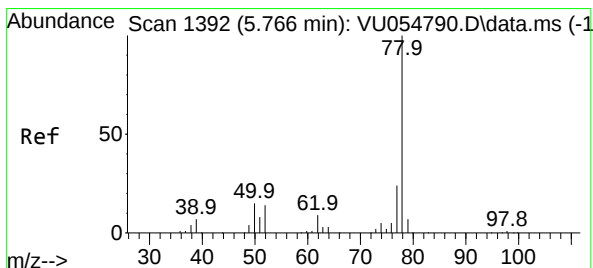
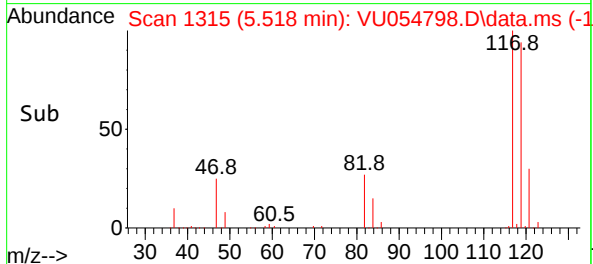
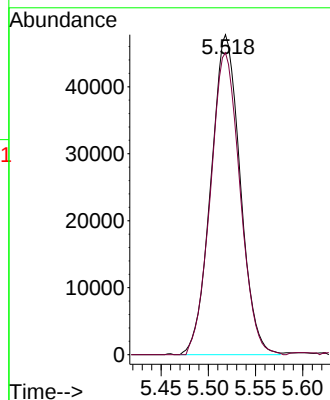
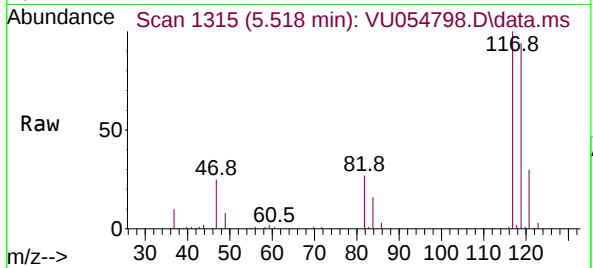




#31
Carbon tetrachloride
Concen: 46.899 ug/L
RT: 5.518 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054798.D
Acq: 17 Jul 2023 17:45

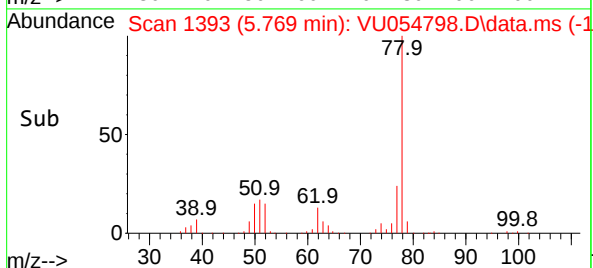
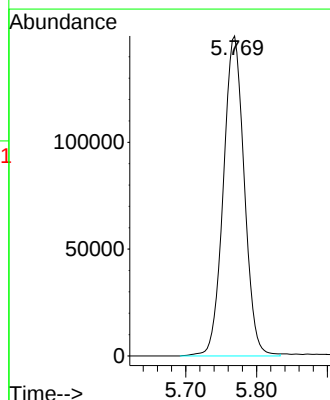
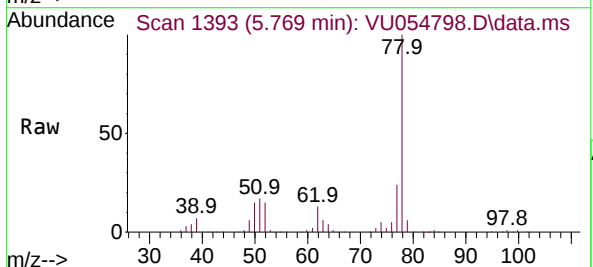
Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

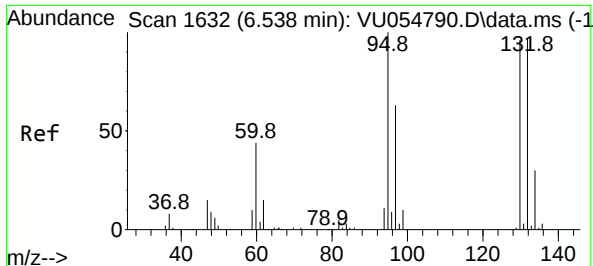
Tgt Ion:117 Resp: 102836
Ion Ratio Lower Upper
117 100
119 95.3 77.4 116.2



#33
Benzene
Concen: 46.912 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.003 min
Lab File: VU054798.D
Acq: 17 Jul 2023 17:45

Tgt Ion: 78 Resp: 307523





#34

Trichloroethene

Concen: 45.963 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054798.D

Acq: 17 Jul 2023 17:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD050103

Tgt Ion: 95 Resp: 76695

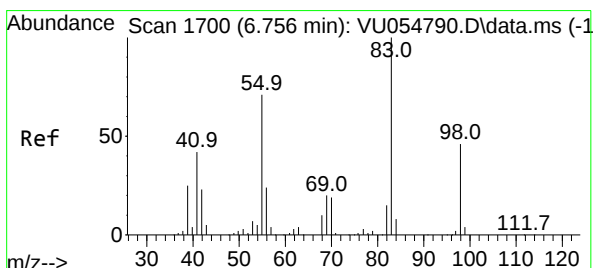
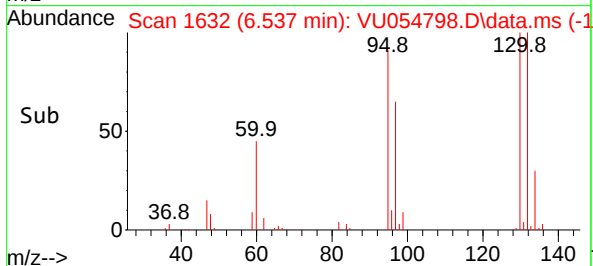
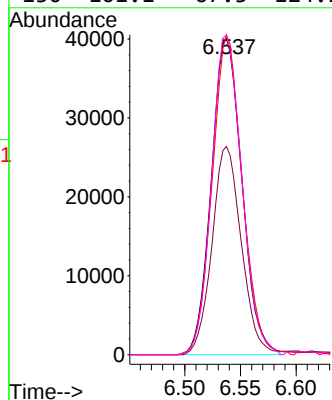
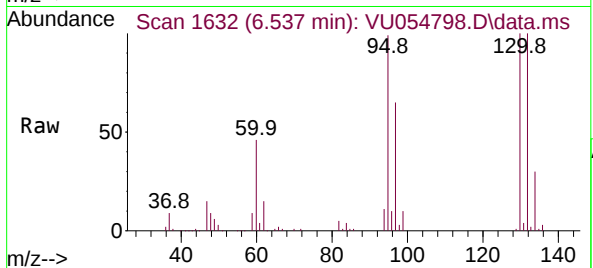
Ion Ratio Lower Upper

95 100

97 65.9 44.0 81.8

132 103.4 67.9 126.1

130 101.1 67.3 124.9



#35

Methylcyclohexane

Concen: 39.283 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. 0.003 min

Lab File: VU054798.D

Acq: 17 Jul 2023 17:45

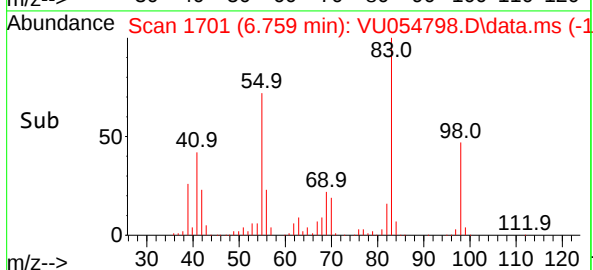
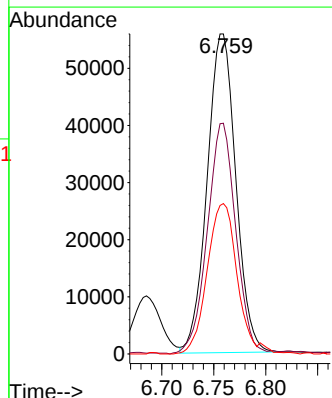
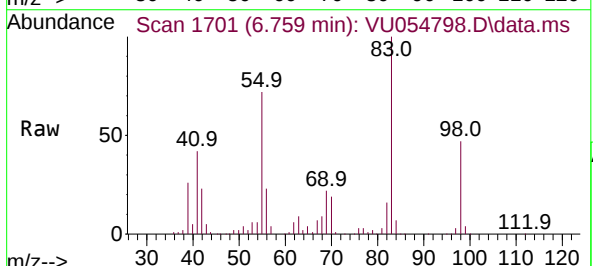
Tgt Ion: 83 Resp: 107124

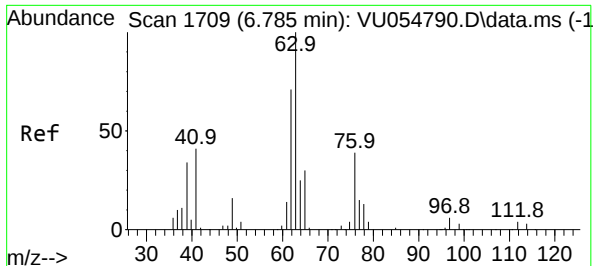
Ion Ratio Lower Upper

83 100

55 71.8 55.8 83.8

98 48.4 38.6 58.0





#37

1,2-Dichloropropane

Concen: 49.828 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054798.D

Acq: 17 Jul 2023 17:45

Instrument :

MSVOA_U

ClientSampleId :

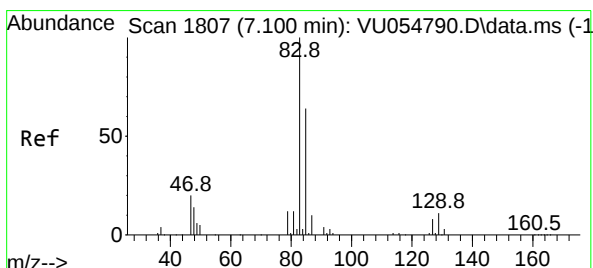
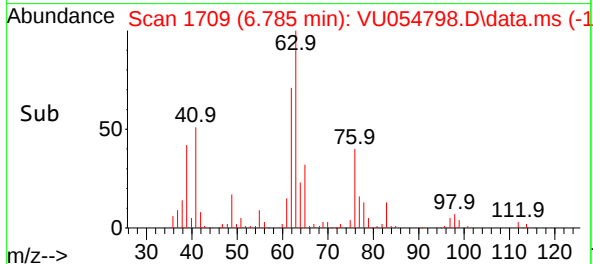
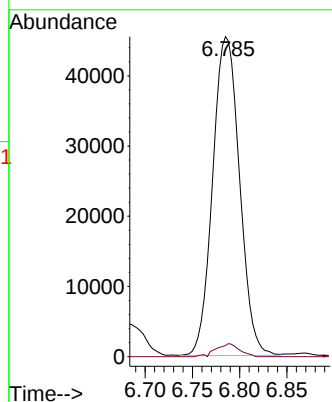
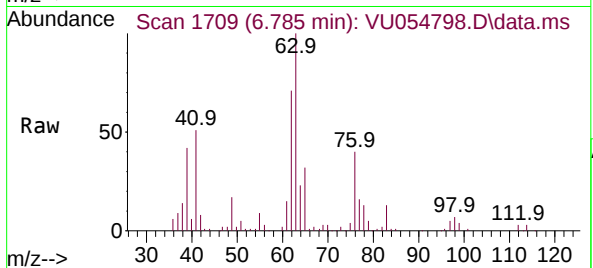
VSTD050103

Tgt Ion: 63 Resp: 89833

Ion Ratio Lower Upper

63 100

112 3.4 3.1 4.7



#38

Bromodichloromethane

Concen: 50.150 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VU054798.D

Acq: 17 Jul 2023 17:45

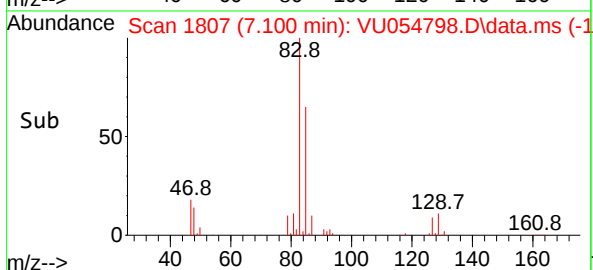
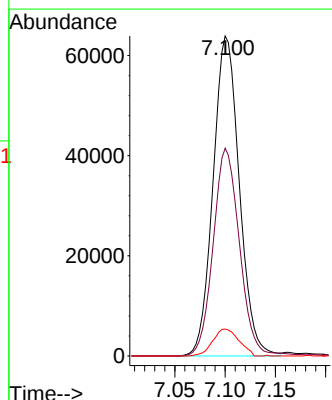
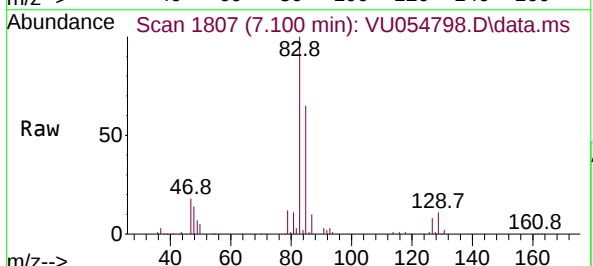
Tgt Ion: 83 Resp: 115996

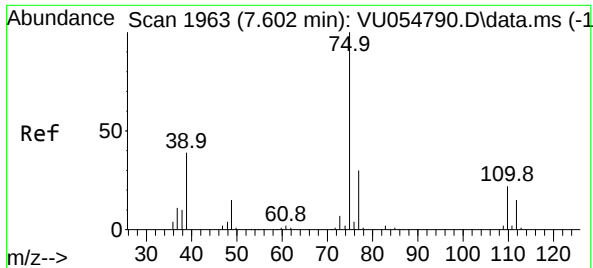
Ion Ratio Lower Upper

83 100

85 64.9 44.9 83.3

127 9.3 7.2 10.8

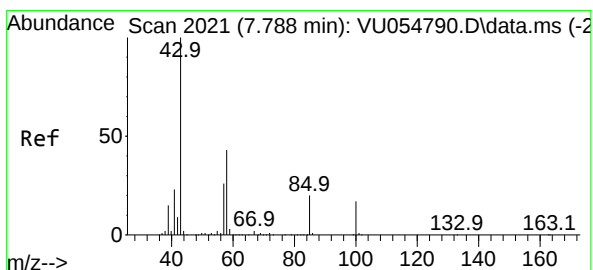
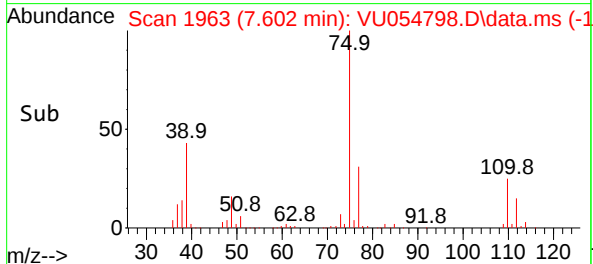
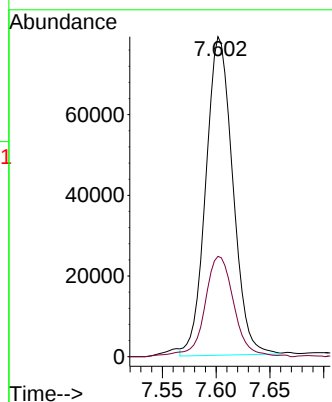
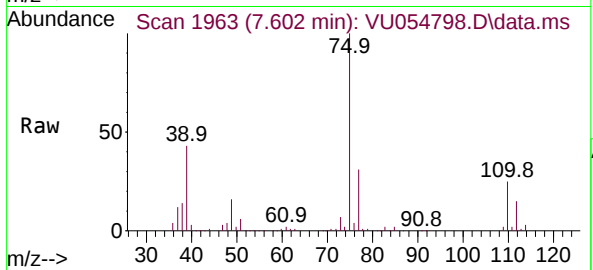




#39
 cis-1,3-Dichloropropene
 Concen: 46.365 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. -0.000 min
 Lab File: VU054798.D
 Acq: 17 Jul 2023 17:45

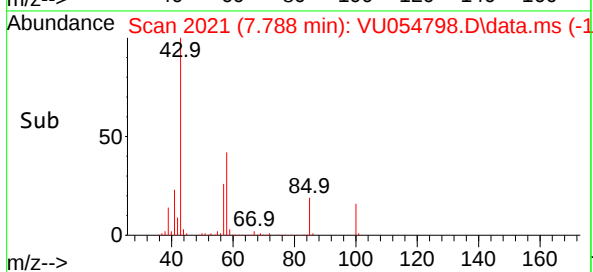
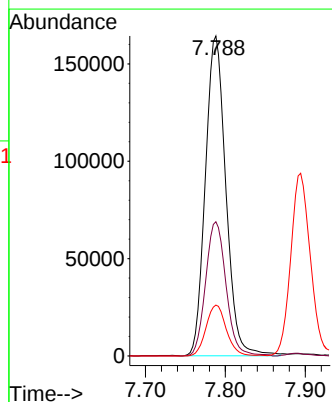
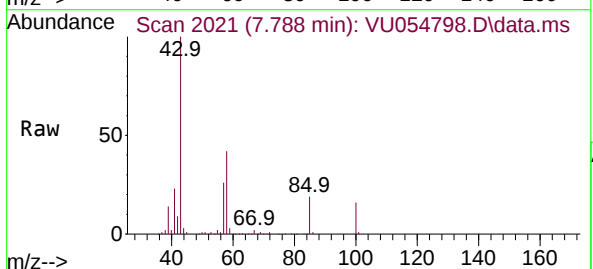
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050103

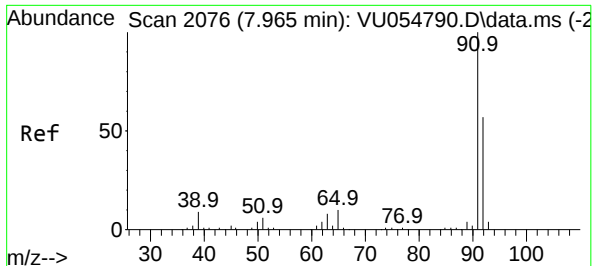
Tgt Ion: 75 Resp: 137862
 Ion Ratio Lower Upper
 75 100
 77 32.5 21.1 39.1



#40
 4-Methyl-2-pentanone
 Concen: 106.268 ug/L
 RT: 7.788 min Scan# 2021
 Delta R.T. -0.000 min
 Lab File: VU054798.D
 Acq: 17 Jul 2023 17:45

Tgt Ion: 43 Resp: 293358
 Ion Ratio Lower Upper
 43 100
 58 41.9 33.7 50.5
 100 15.7 13.0 19.4





#42

Toluene

Concen: 47.341 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU054798.D

Acq: 17 Jul 2023 17:45

Instrument :

MSVOA_U

ClientSampleId :

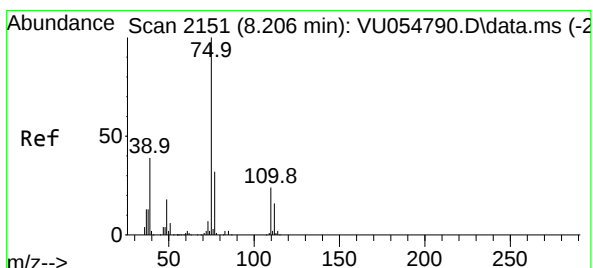
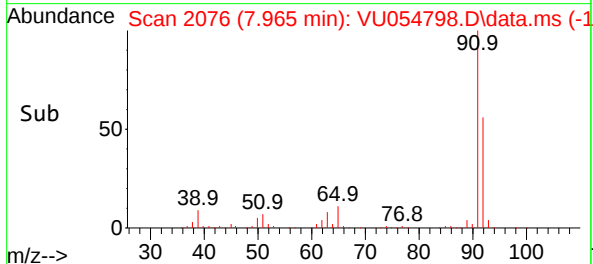
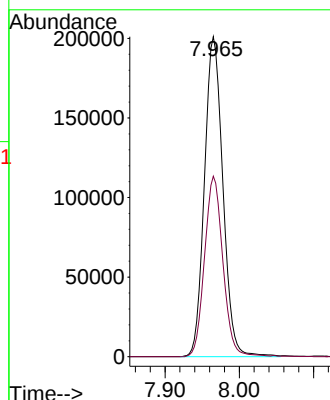
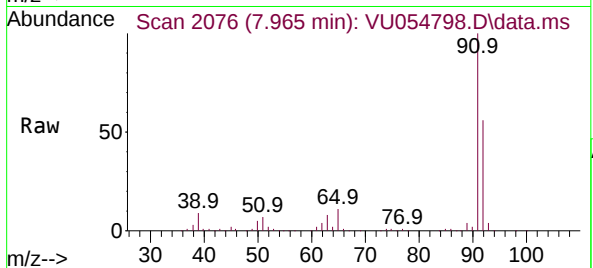
VSTD050103

Tgt Ion: 91 Resp: 347260

Ion Ratio Lower Upper

91 100

92 56.4 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 48.544 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU054798.D

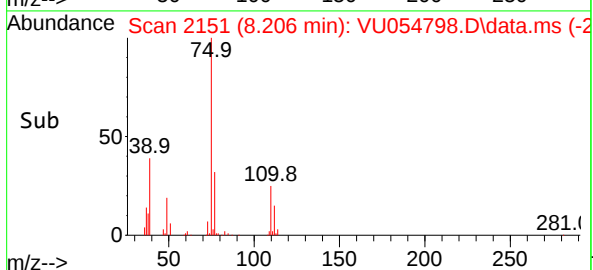
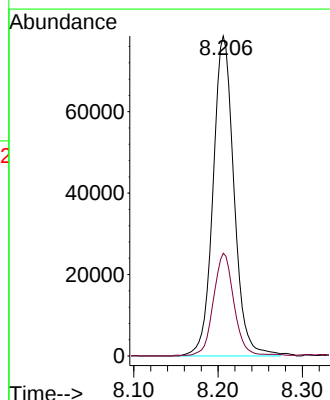
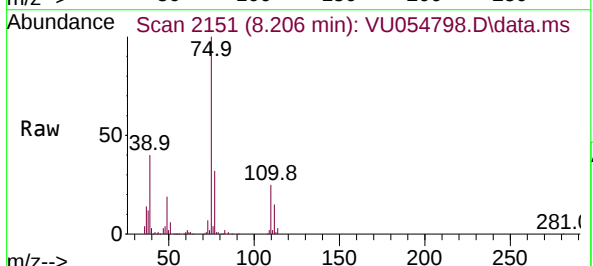
Acq: 17 Jul 2023 17:45

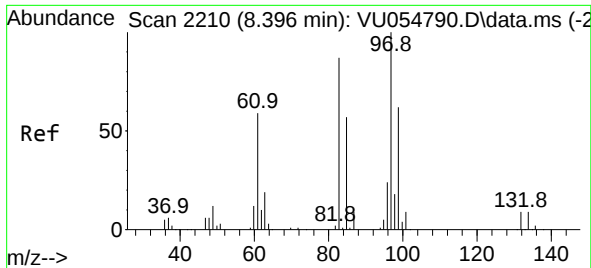
Tgt Ion: 75 Resp: 135612

Ion Ratio Lower Upper

75 100

77 32.1 22.7 42.1

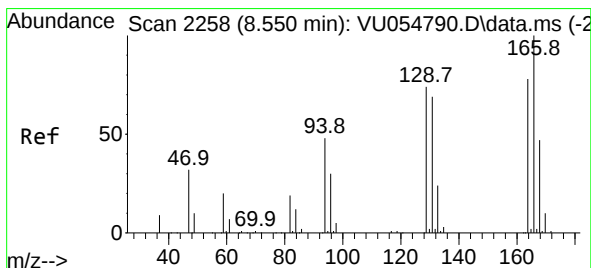
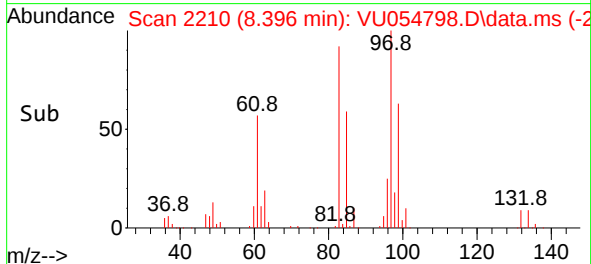
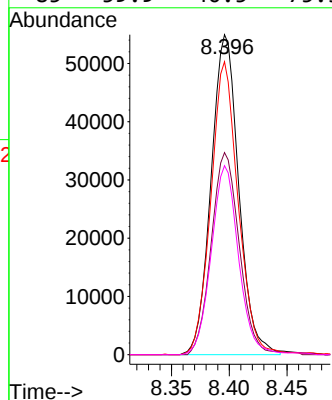
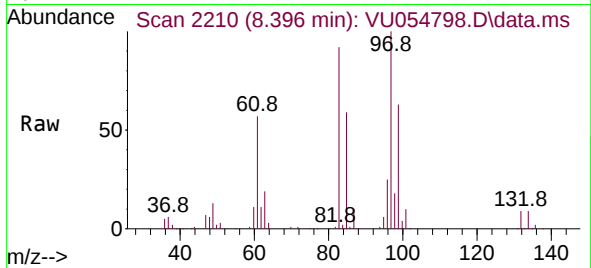




#45
1,1,2-Trichloroethane
Concen: 49.796 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. -0.000 min
Lab File: VU054798.D
Acq: 17 Jul 2023 17:45

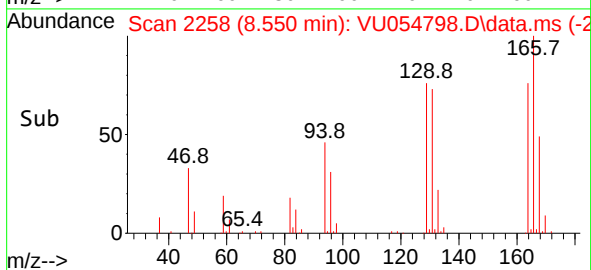
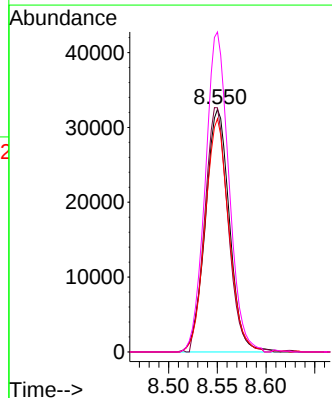
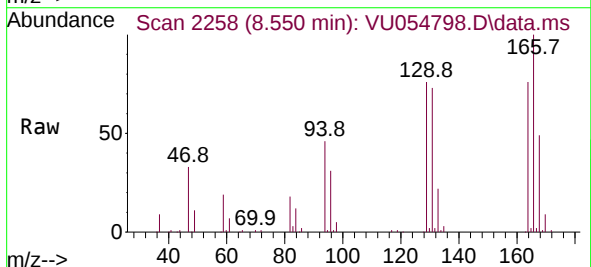
Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

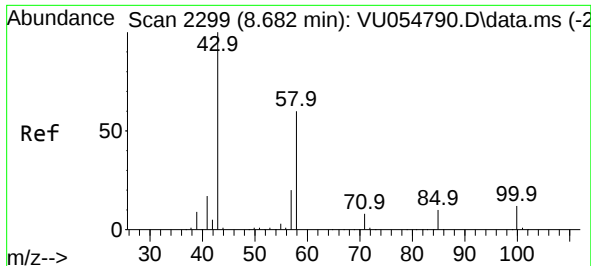
Tgt Ion:	97	Resp:	91530
Ion	Ratio	Lower	Upper
97	100		
99	63.1	43.3	80.5
83	91.5	60.6	112.6
85	59.9	40.5	75.3



#46
Tetrachloroethene
Concen: 43.559 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU054798.D
Acq: 17 Jul 2023 17:45

Tgt Ion:	164	Resp:	55723
Ion	Ratio	Lower	Upper
164	100		
129	100.6	66.2	123.0
131	98.3	61.9	115.1
166	134.1	89.2	165.8



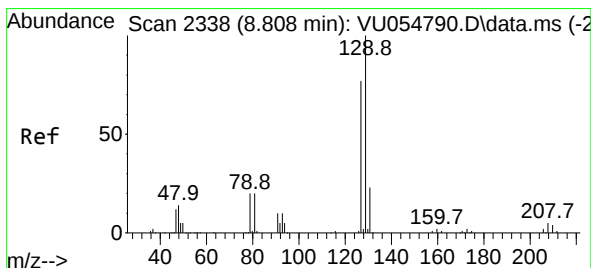
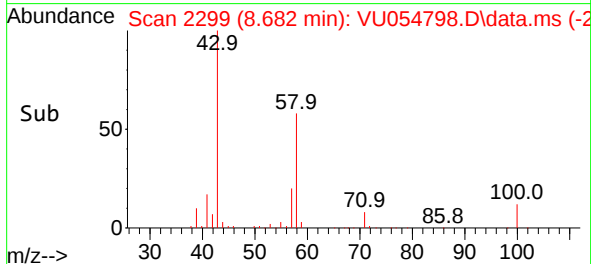
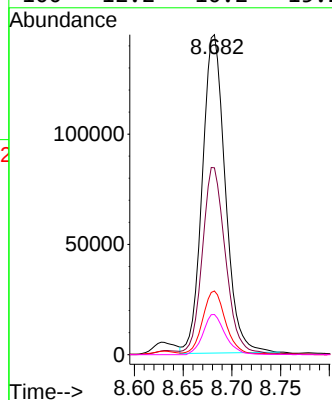
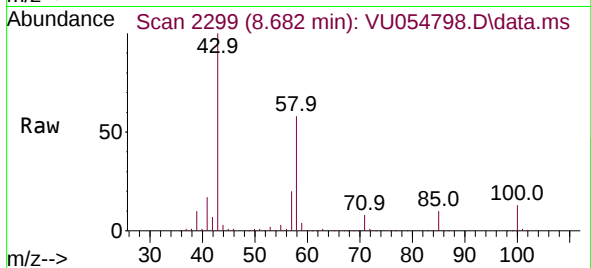


#48
2-Hexanone
Concen: 103.505 ug/L
RT: 8.682 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054798.D
Acq: 17 Jul 2023 17:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

Tgt Ion: 43 Resp: 236708

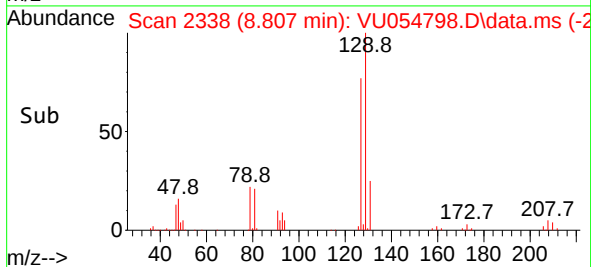
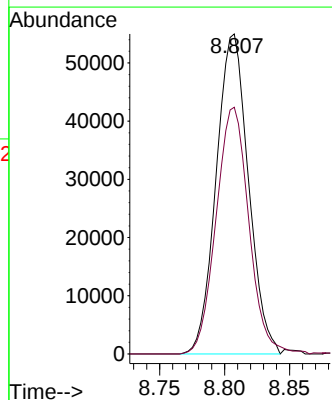
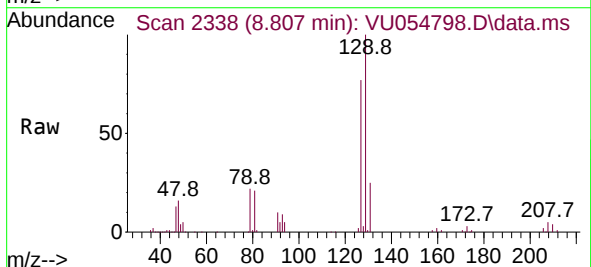
Ion	Ratio	Lower	Upper
43	100		
58	58.7	46.5	69.7
57	20.0	15.4	23.2
100	12.2	10.2	15.2

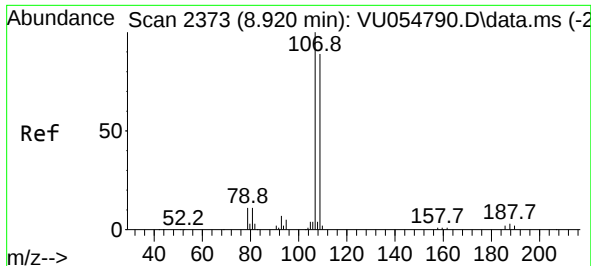


#49
Dibromochloromethane
Concen: 50.052 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. -0.000 min
Lab File: VU054798.D
Acq: 17 Jul 2023 17:45

Tgt Ion: 129 Resp: 94761

Ion	Ratio	Lower	Upper
129	100		
127	76.0	54.4	101.0





#50

1,2-Dibromoethane

Concen: 48.787 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054798.D

Acq: 17 Jul 2023 17:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD050103

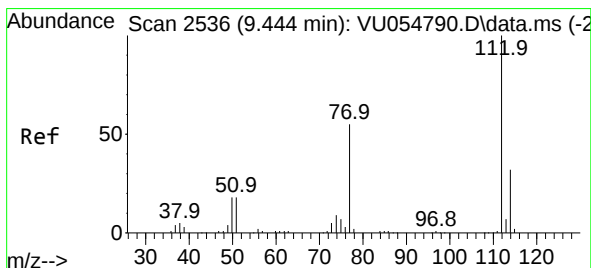
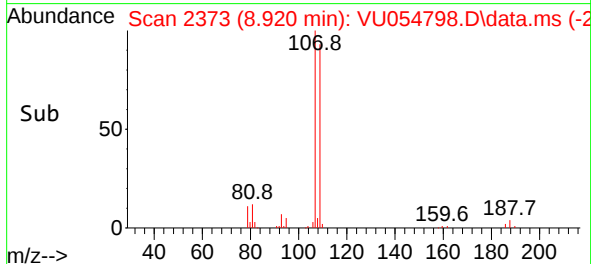
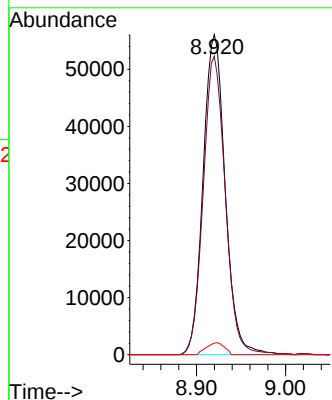
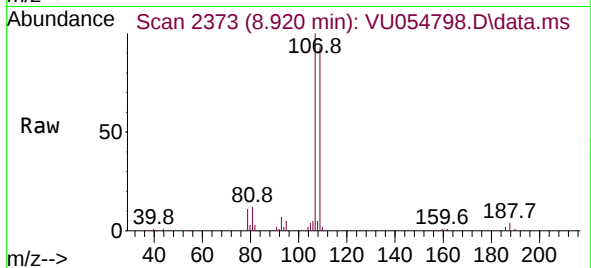
Tgt Ion:107 Resp: 96524

Ion Ratio Lower Upper

107 100

109 93.3 62.5 116.1

188 3.6 2.6 4.0



#51

Chlorobenzene

Concen: 49.347 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. -0.000 min

Lab File: VU054798.D

Acq: 17 Jul 2023 17:45

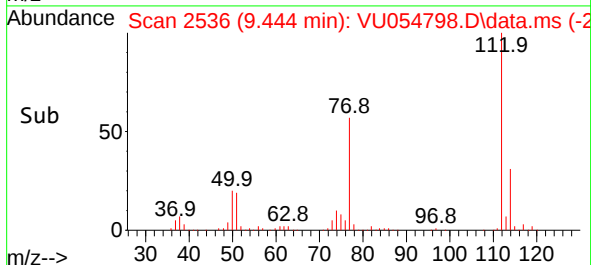
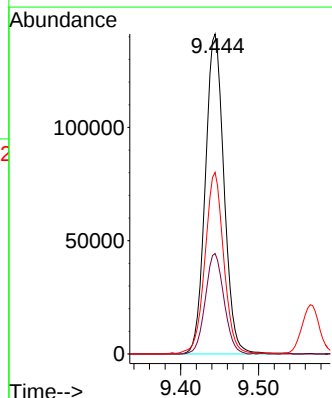
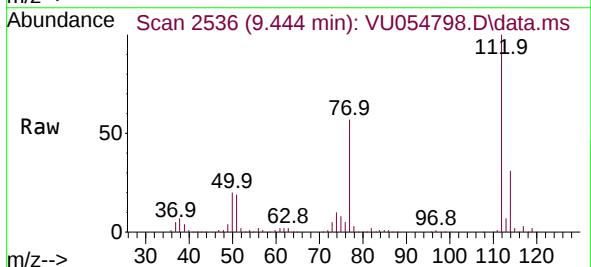
Tgt Ion:112 Resp: 235487

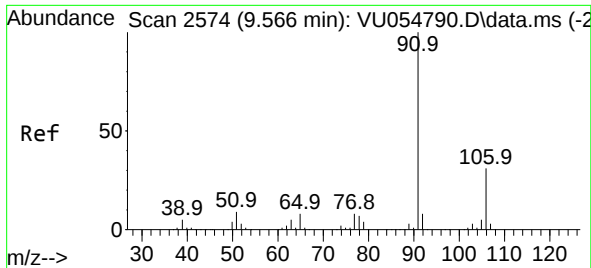
Ion Ratio Lower Upper

112 100

114 31.4 22.3 41.5

77 56.8 44.2 66.4

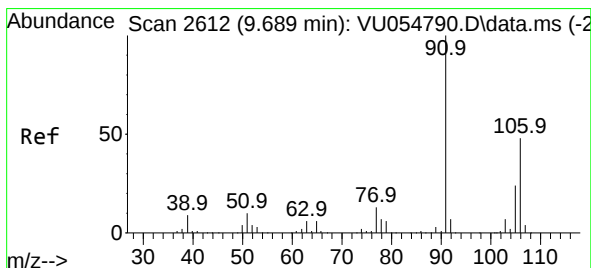
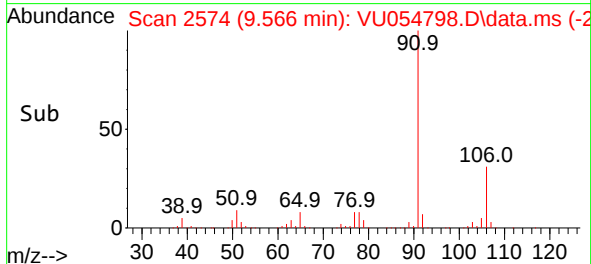
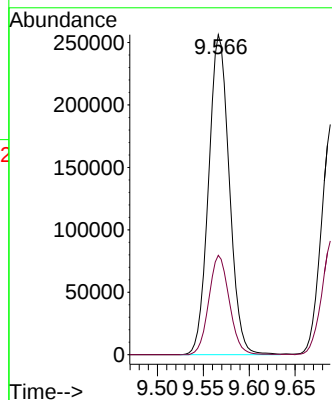
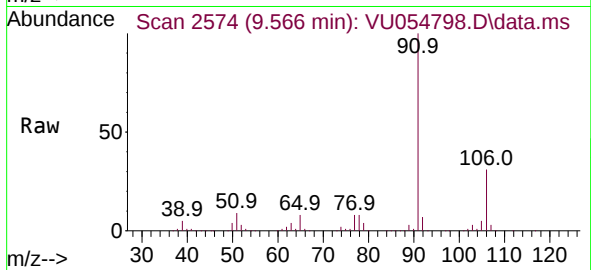




#52
Ethylbenzene
Concen: 47.422 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054798.D
Acq: 17 Jul 2023 17:45

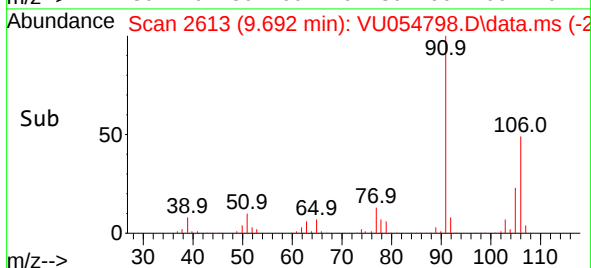
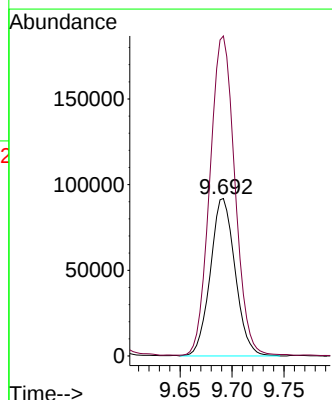
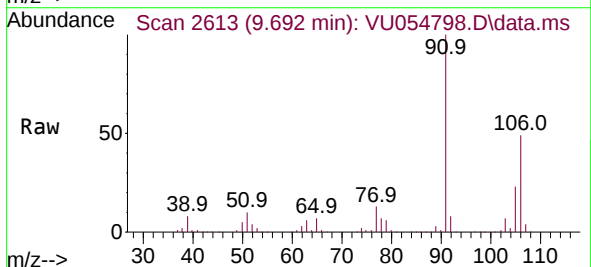
Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

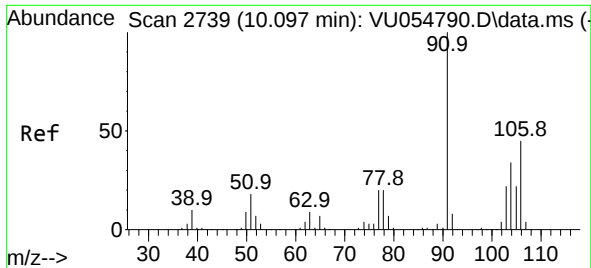
Tgt Ion: 91 Resp: 402168
Ion Ratio Lower Upper
91 100
106 31.0 23.5 43.7



#53
m,p-Xylene
Concen: 47.172 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU054798.D
Acq: 17 Jul 2023 17:45

Tgt Ion:106 Resp: 152314
Ion Ratio Lower Upper
106 100
91 203.3 133.3 247.7

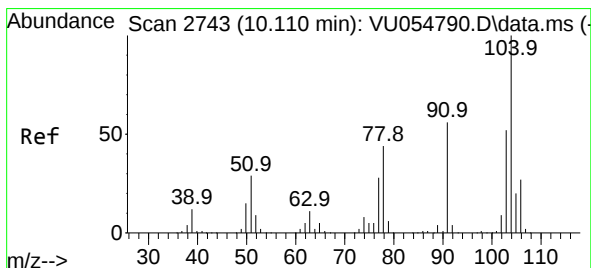
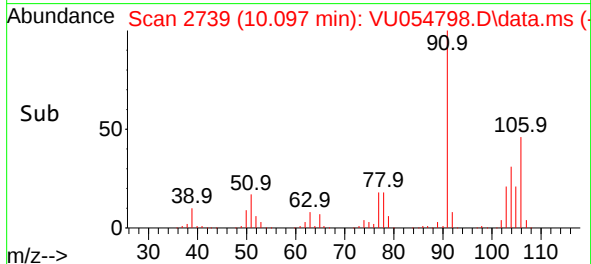
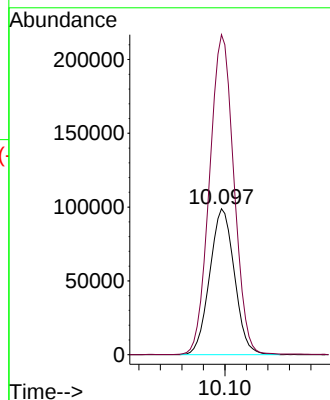
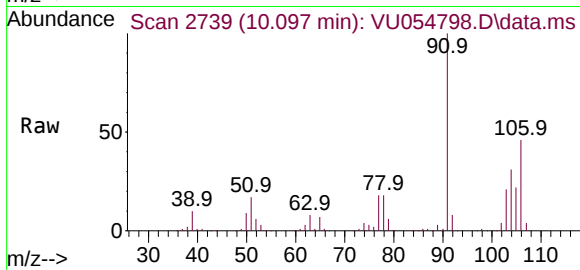




#54
o-Xylene
Concen: 48.034 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. -0.000 min
Lab File: VU054798.D
Acq: 17 Jul 2023 17:45

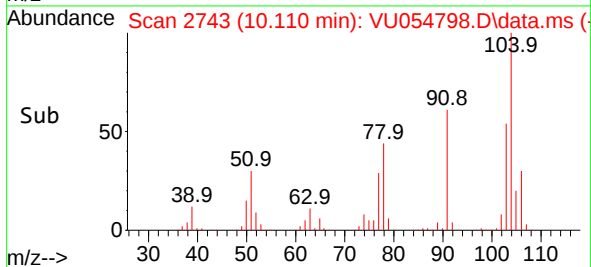
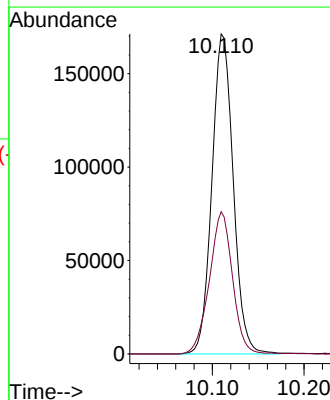
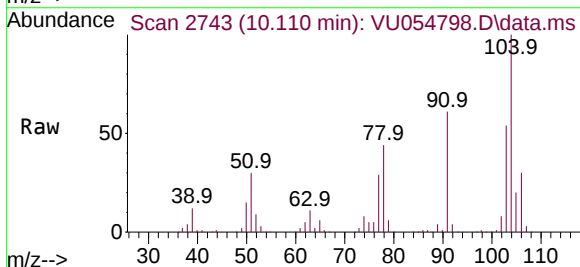
Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

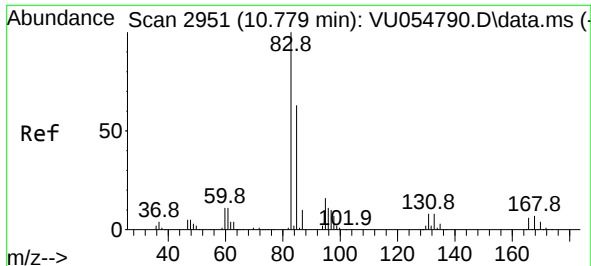
Tgt Ion:106 Resp: 157560
Ion Ratio Lower Upper
106 100
91 219.4 142.0 263.8



#55
Styrene
Concen: 48.377 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.000 min
Lab File: VU054798.D
Acq: 17 Jul 2023 17:45

Tgt Ion:104 Resp: 276373
Ion Ratio Lower Upper
104 100
78 44.5 30.7 57.1

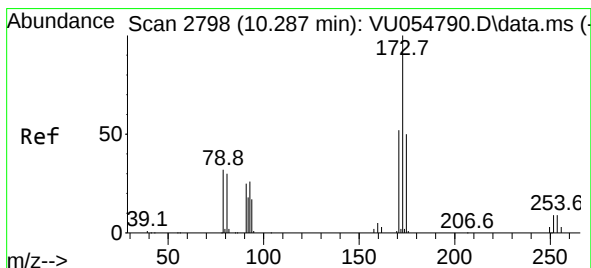
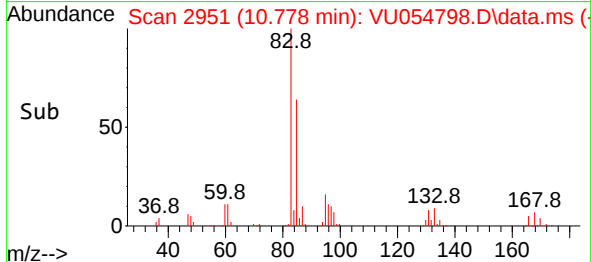
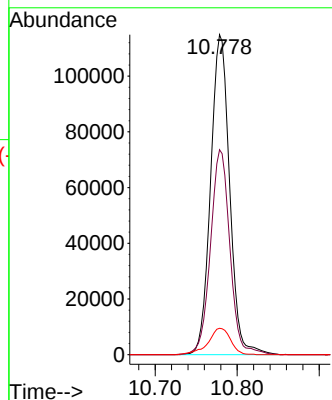
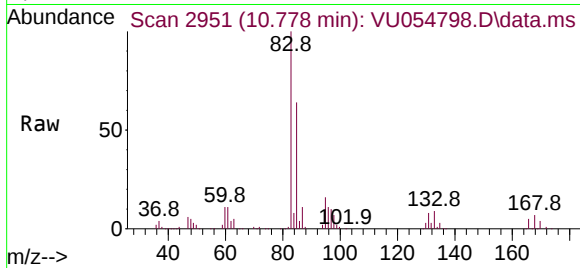




#57
1,1,2,2-Tetrachloroethane
Concen: 50.899 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. -0.000 min
Lab File: VU054798.D
Acq: 17 Jul 2023 17:45

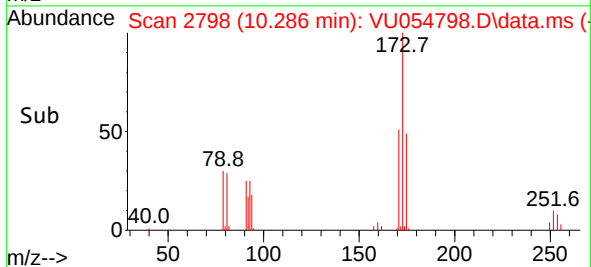
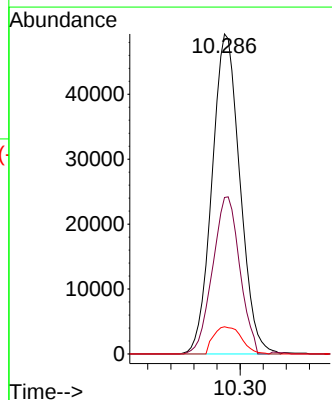
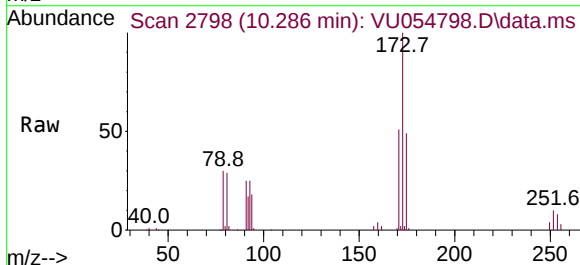
Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

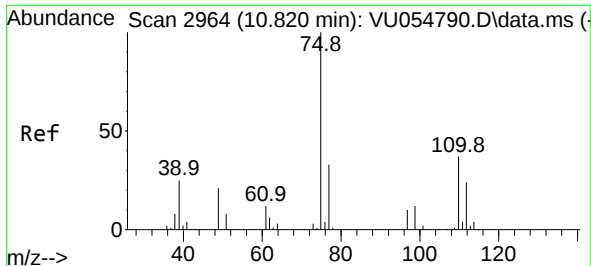
Tgt Ion: 83 Resp: 184711
Ion Ratio Lower Upper
83 100
85 64.1 43.8 81.4
131 11.1 8.7 13.1



#59
Bromoform
Concen: 51.026 ug/L
RT: 10.286 min Scan# 2798
Delta R.T. -0.000 min
Lab File: VU054798.D
Acq: 17 Jul 2023 17:45

Tgt Ion:173 Resp: 82797
Ion Ratio Lower Upper
173 100
175 47.7 38.8 58.2
254 8.5 2.4 3.6#

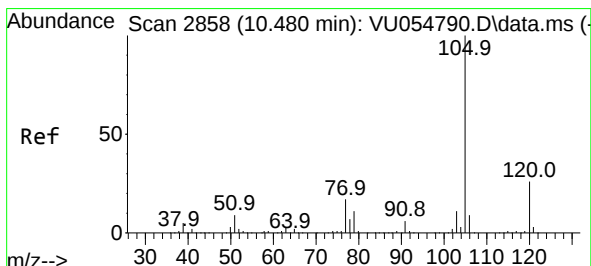
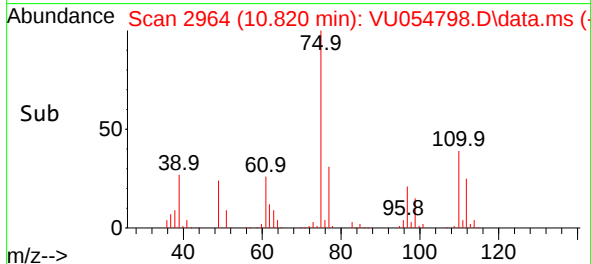
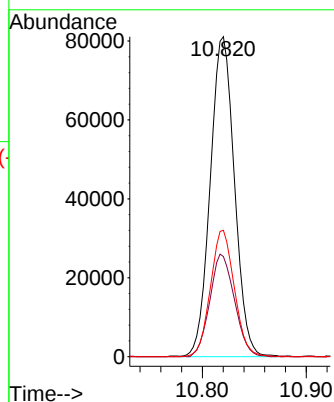
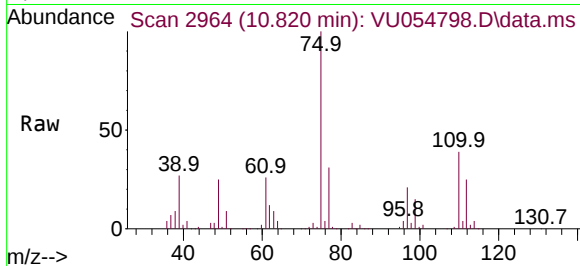




#60
1,2,3-Trichloropropane
Concen: 51.862 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. -0.000 min
Lab File: VU054798.D
Acq: 17 Jul 2023 17:45

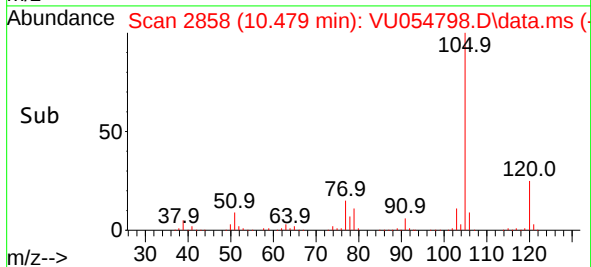
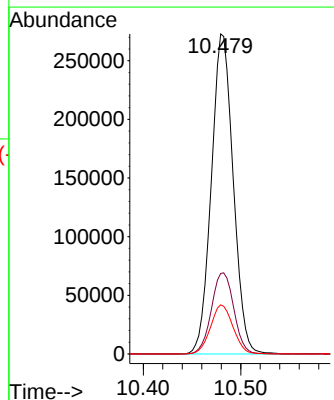
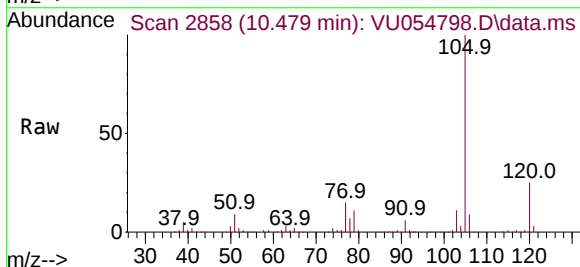
Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

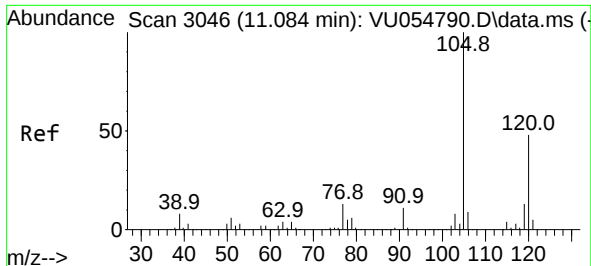
Tgt Ion: 75 Resp: 131276
Ion Ratio Lower Upper
75 100
77 32.6 26.2 39.4
110 39.0 29.9 44.9



#61
Isopropylbenzene
Concen: 49.614 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VU054798.D
Acq: 17 Jul 2023 17:45

Tgt Ion: 105 Resp: 425252
Ion Ratio Lower Upper
105 100
120 26.0 21.4 32.0
77 15.8 12.8 19.2

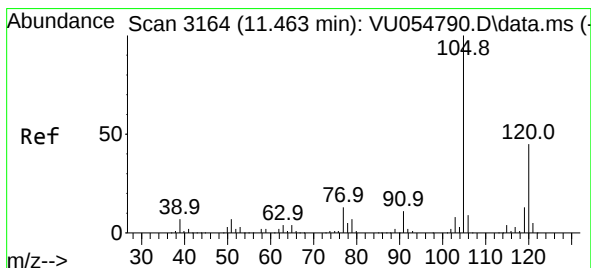
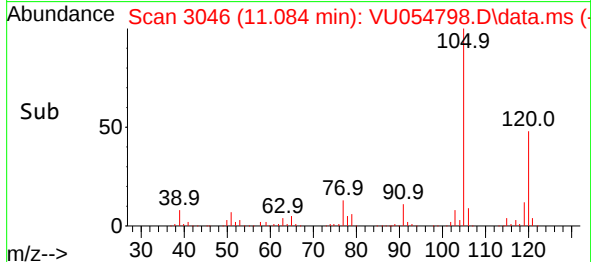
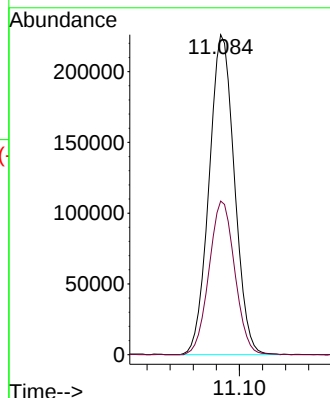
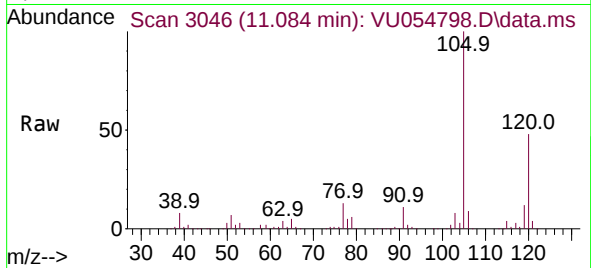




#62
1,3,5-Trimethylbenzene
Concen: 48.811 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. -0.000 min
Lab File: VU054798.D
Acq: 17 Jul 2023 17:45

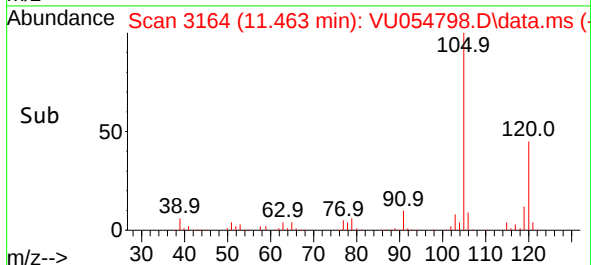
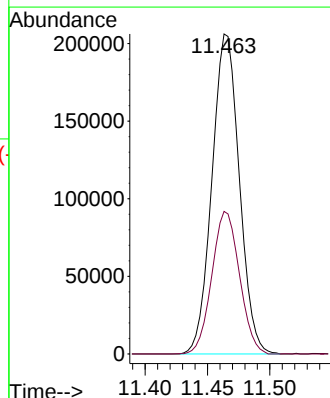
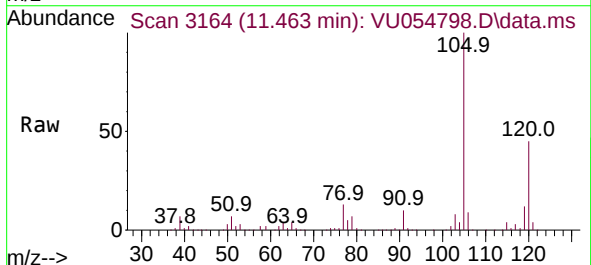
Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

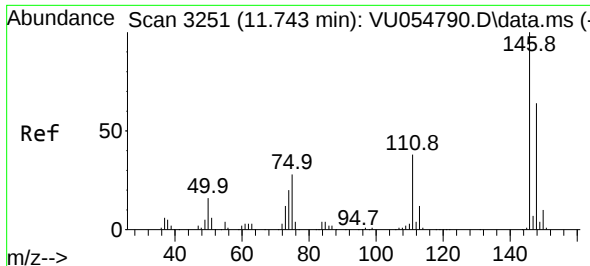
Tgt Ion:105 Resp: 344548
Ion Ratio Lower Upper
105 100
120 48.7 38.0 57.0



#63
1,2,4-Trimethylbenzene
Concen: 45.043 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VU054798.D
Acq: 17 Jul 2023 17:45

Tgt Ion:105 Resp: 315153
Ion Ratio Lower Upper
105 100
120 44.9 36.2 54.2

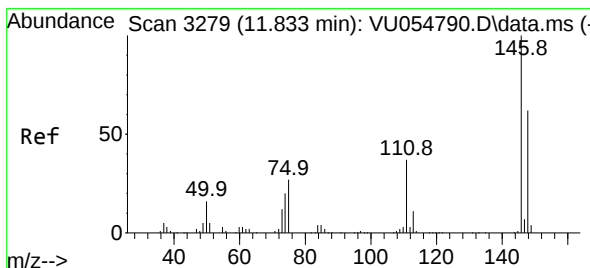
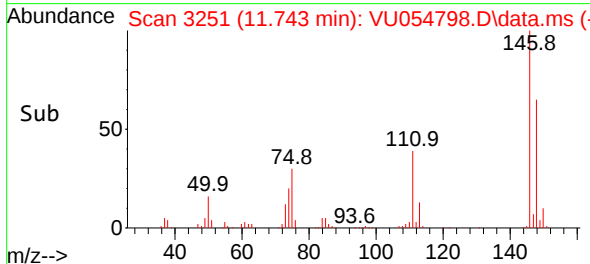
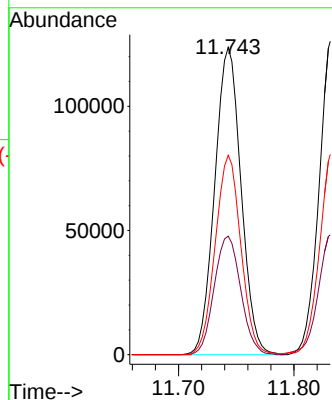
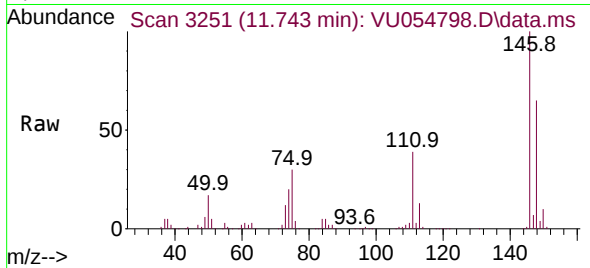




#64
1,3-Dichlorobenzene
Concen: 49.311 ug/L
RT: 11.743 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU054798.D
Acq: 17 Jul 2023 17:45

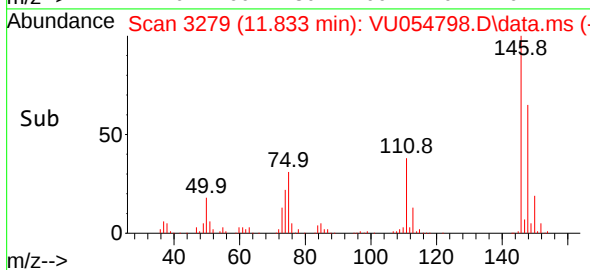
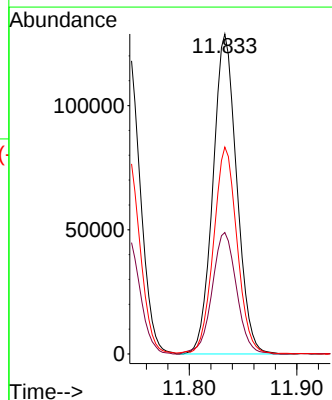
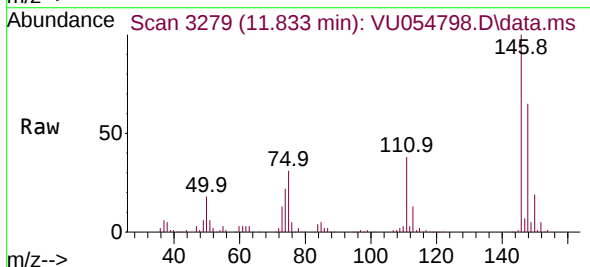
Instrument :
MSVOA_U
ClientSampleId :
VSTD050103

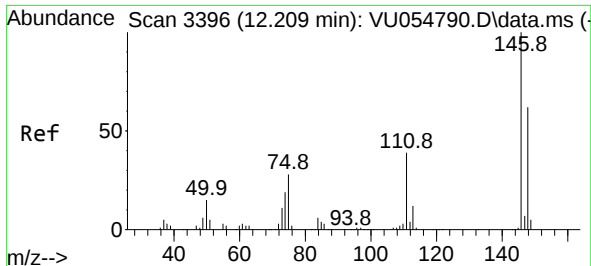
Tgt Ion:146 Resp: 196018
Ion Ratio Lower Upper
146 100
111 38.6 25.2 46.8
148 64.8 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 49.454 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU054798.D
Acq: 17 Jul 2023 17:45

Tgt Ion:146 Resp: 198006
Ion Ratio Lower Upper
146 100
111 41.2 24.1 44.8
148 69.3 41.0 76.2





#67

1,2-Dichlorobenzene

Concen: 50.425 ug/L

RT: 12.209 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU054798.D

Acq: 17 Jul 2023 17:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD050103

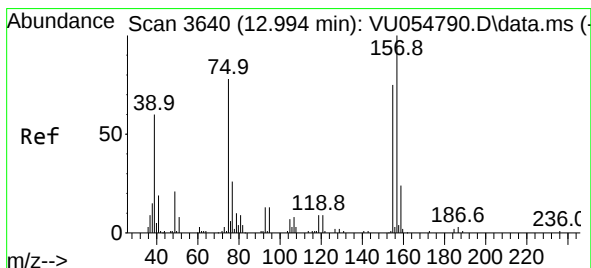
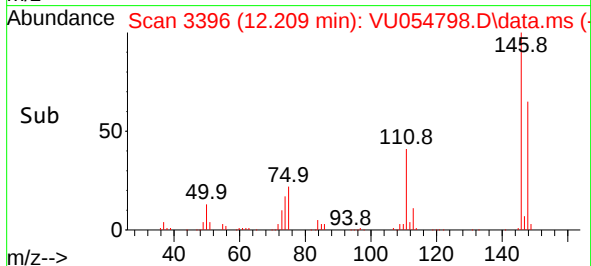
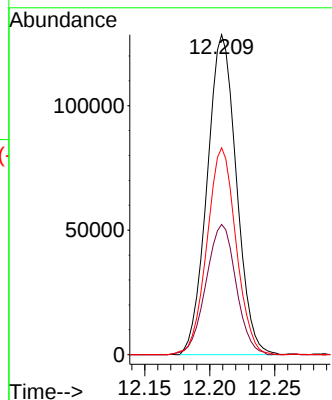
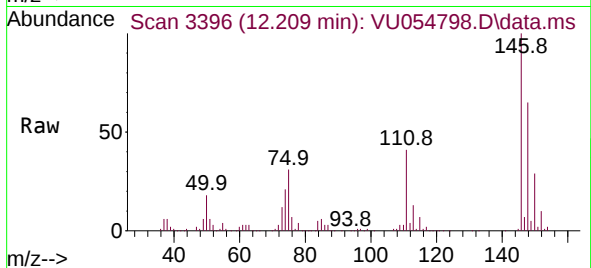
Tgt Ion:146 Resp: 201359

Ion Ratio Lower Upper

146 100

111 37.9 31.5 47.3

148 64.7 53.5 80.3



#68

1,2-Dibromo-3-chloropropane

Concen: 53.056 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.003 min

Lab File: VU054798.D

Acq: 17 Jul 2023 17:45

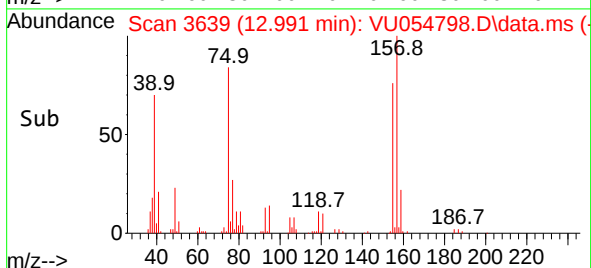
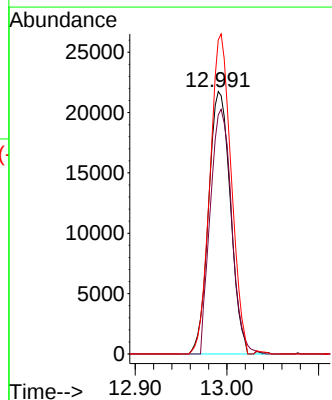
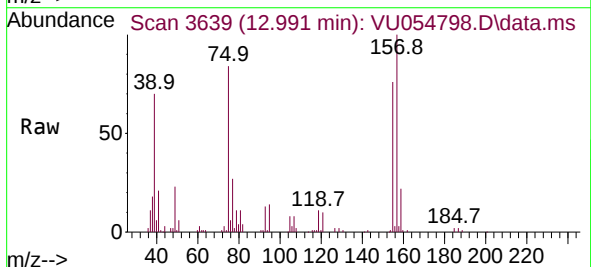
Tgt Ion: 75 Resp: 35894

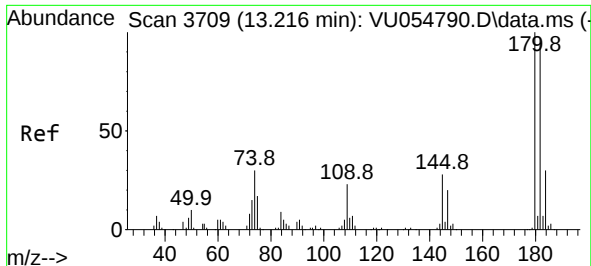
Ion Ratio Lower Upper

75 100

155 94.4 80.6 121.0

157 123.9 106.5 159.7





#69

1,3,5-Trichlorobenzene

Concen: 50.530 ug/L

RT: 13.216 min Scan# 3709

Delta R.T. -0.000 min

Lab File: VU054798.D

Acq: 17 Jul 2023 17:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD050103

Tgt Ion:180 Resp: 134646

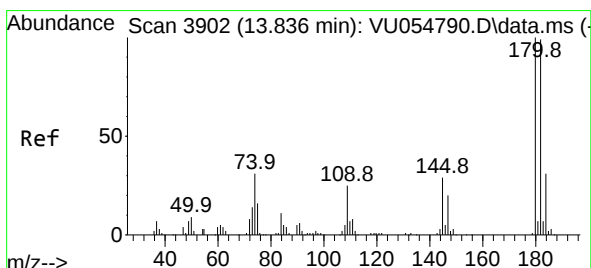
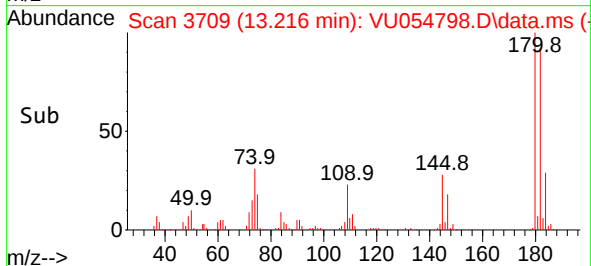
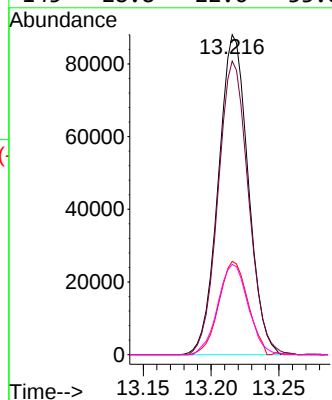
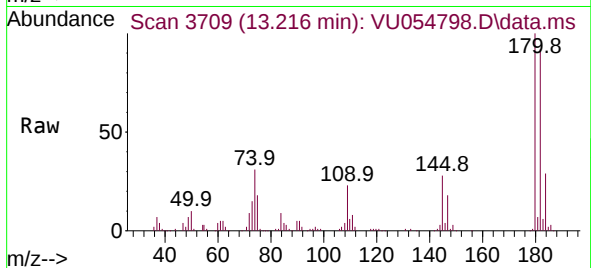
Ion Ratio Lower Upper

180 100

182 93.4 76.7 115.1

184 28.5 23.4 35.0

145 28.8 22.6 33.8



#70

1,2,4-trichlorobenzene

Concen: 51.846 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU054798.D

Acq: 17 Jul 2023 17:45

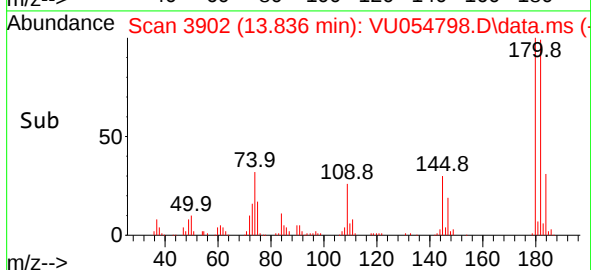
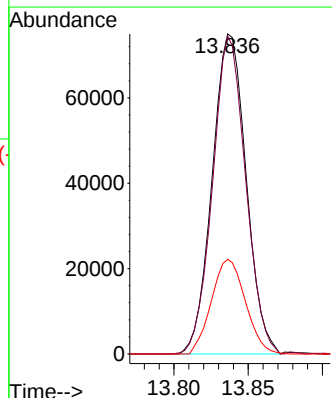
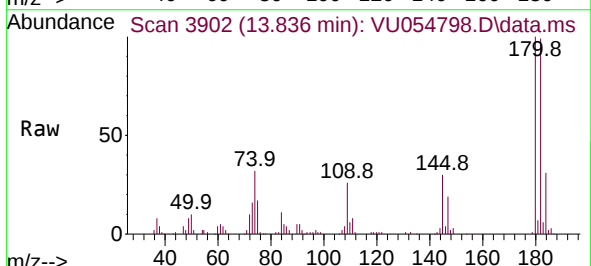
Tgt Ion:180 Resp: 119270

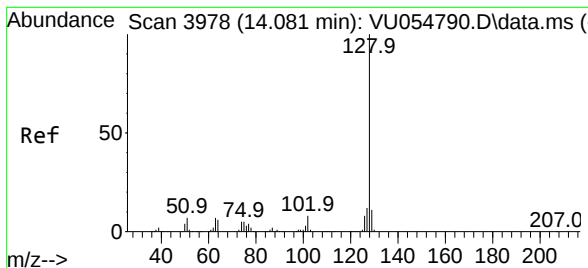
Ion Ratio Lower Upper

180 100

182 96.3 76.8 115.2

145 29.5 23.0 34.6





#71

Naphthalene

Concen: 50.926 ug/L

RT: 14.084 min Scan# 3978

Delta R.T. 0.003 min

Lab File: VU054798.D

Acq: 17 Jul 2023 17:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD050103

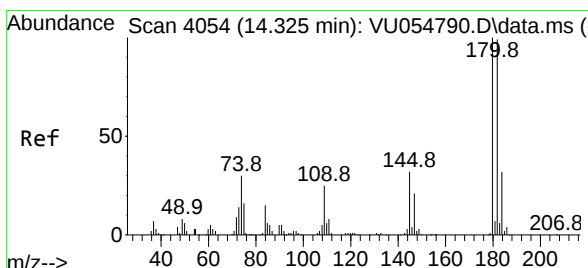
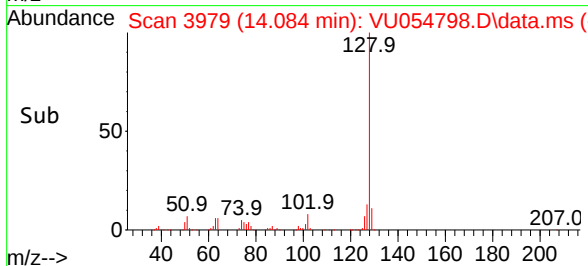
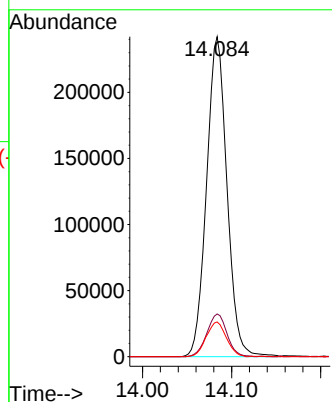
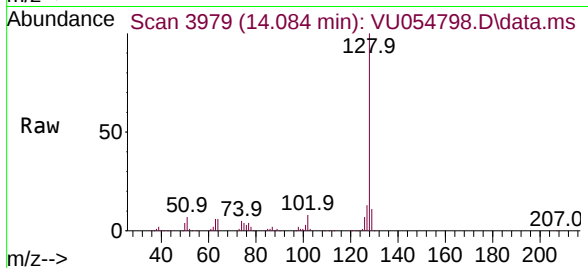
Tgt Ion:128 Resp: 384522

Ion Ratio Lower Upper

128 100

127 13.2 10.0 15.0

129 10.7 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 52.227 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.000 min

Lab File: VU054798.D

Acq: 17 Jul 2023 17:45

Tgt Ion:180 Resp: 116999

Ion Ratio Lower Upper

180 100

182 94.6 76.6 115.0

145 31.1 25.4 38.2

