

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U071823\
 Data File : VU054800.D
 Acq On : 18 Jul 2023 10:50
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050104

Quant Time: Jul 19 02:29:32 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	257103	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	245376	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	132600	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	85309	42.931	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.860%
7) Chloroethane-d5	1.660	69	313	0.157	ug/L	-0.22
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.320%#
11) 1,1-Dichloroethene-d2	2.563	63	126592	44.411	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.820%
21) 2-Butanone-d5	4.615	46	116537	91.238	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.240%
24) Chloroform-d	5.058	84	142739	46.145	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.280%
26) 1,2-Dichloroethane-d4	5.695	65	87075	47.009	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.020%
32) Benzene-d6	5.721	84	274798	47.015	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.020%
36) 1,2-Dichloropropane-d6	6.685	67	94524	48.028	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.060%
41) Toluene-d8	7.894	98	269158	48.325	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.660%
43) trans-1,3-Dichloroprop...	8.177	79	46449	46.136	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.280%
47) 2-Hexanone-d5	8.627	63	80195	86.200	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.200%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	147902	40.914	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	81.820%
66) 1,2-Dichlorobenzene-d4	12.190	152	108861	47.776	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.560%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	91318	46.997	ug/L	100
3) Chloromethane	1.521	50	103561	46.735	ug/L	99
5) Vinyl chloride	1.602	62	134355	46.634	ug/L	97
6) Bromomethane	1.843	94	101155	57.685	ug/L	95
8) Chloroethane	1.927	64	90056	45.184	ug/L	97
9) Trichlorofluoromethane	2.132	101	206090	44.691	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	79027	46.456	ug/L	98
12) 1,1-Dichloroethene	2.573	96	74002	46.259	ug/L	97
13) Acetone	2.618	43	100917	93.936	ug/L	99
14) Carbon disulfide	2.788	76	219310	46.949	ug/L	99
15) Methyl Acetate	2.943	43	80457	44.900	ug/L	96
16) Methylene chloride	3.042	84	84928	43.977	ug/L	96
17) trans-1,2-Dichloroethene	3.348	96	76006	45.902	ug/L	98
18) Methyl tert-butyl Ether	3.357	73	259614	45.304	ug/L	98
19) 1,1-Dichloroethane	3.862	63	145306	45.990	ug/L	98
20) cis-1,2-Dichloroethene	4.663	96	89607	45.531	ug/L	100
22) 2-Butanone	4.695	43	131623	88.743	ug/L	99
23) Bromochloromethane	4.971	128	46522	46.465	ug/L	98
25) Chloroform	5.084	83	151884	45.842	ug/L	99

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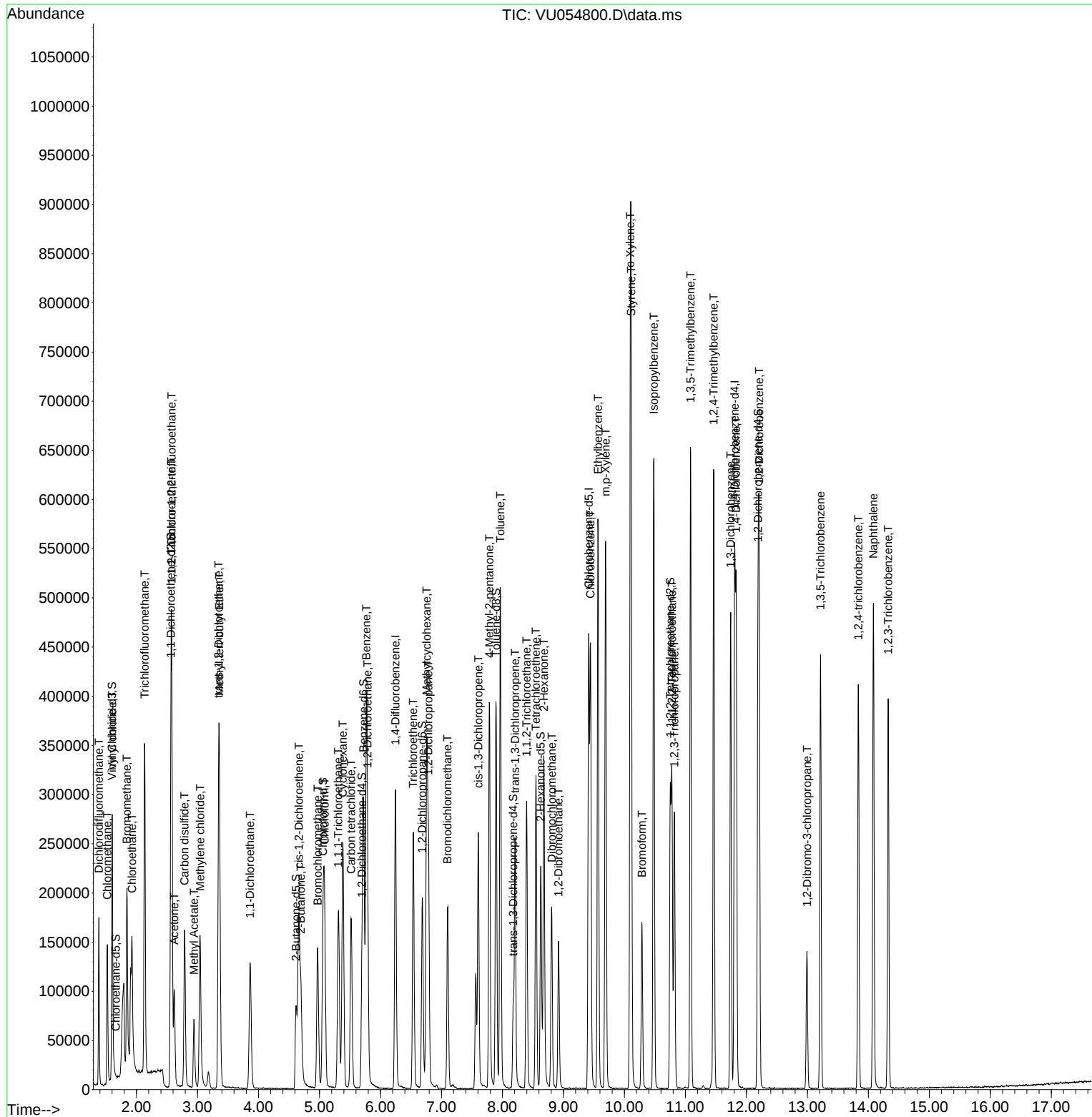
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	114654	45.568	ug/L	98
29) Cyclohexane	5.383	56	129739	48.085	ug/L	97
30) 1,1,1-Trichloroethane	5.309	97	133653	49.080	ug/L	99
31) Carbon tetrachloride	5.518	117	113470	48.251	ug/L	99
33) Benzene	5.769	78	334554	47.587	ug/L	100
34) Trichloroethene	6.537	95	86740	48.470	ug/L	98
35) Methylcyclohexane	6.759	83	140154	47.922	ug/L	99
37) 1,2-Dichloropropane	6.785	63	89638	46.360	ug/L	100
38) Bromodichloromethane	7.100	83	115759	46.665	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	151793	47.600	ug/L	96
40) 4-Methyl-2-pentanone	7.785	43	251491	84.945	ug/L	100
42) Toluene	7.965	91	368740	46.872	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	138245	46.142	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	89011	45.153	ug/L	97
46) Tetrachloroethene	8.550	164	64664	47.132	ug/L	96
48) 2-Hexanone	8.679	43	206666	84.261	ug/L	98
49) Dibromochloromethane	8.807	129	90684	44.661	ug/L	94
50) 1,2-Dibromoethane	8.920	107	96353	45.410	ug/L	94
51) Chlorobenzene	9.444	112	232654	45.458	ug/L	97
52) Ethylbenzene	9.566	91	419393	46.111	ug/L	94
53) m,p-Xylene	9.692	106	162721	46.990	ug/L	95
54) o-Xylene	10.097	106	157860	44.873	ug/L	90
55) Styrene	10.113	104	269042	43.911	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	155541	39.965	ug/L	97
59) Bromoform	10.286	173	70423	42.459	ug/L #	98
60) 1,2,3-Trichloropropane	10.820	75	110548	42.726	ug/L	99
61) Isopropylbenzene	10.483	105	421859	48.151	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	346876	48.075	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	341974	47.816	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	191720	47.184	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	190083	46.446	ug/L	96
67) 1,2-Dichlorobenzene	12.209	146	187272	45.881	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.994	75	31170	45.074	ug/L	98
69) 1,3,5-Trichlorobenzene	13.216	180	130471	47.901	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	120662	51.314	ug/L	100
71) Naphthalene	14.084	128	396785	51.411	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	115126	50.277	ug/L	99

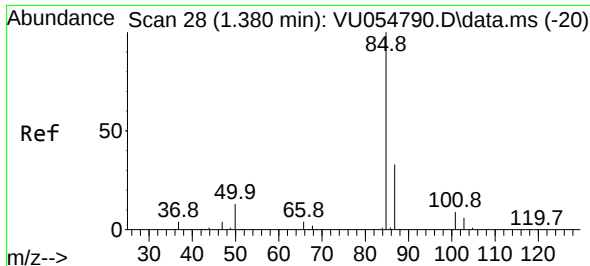
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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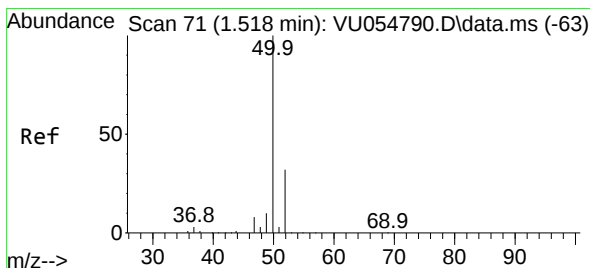
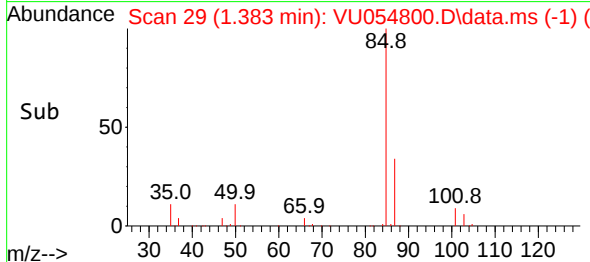
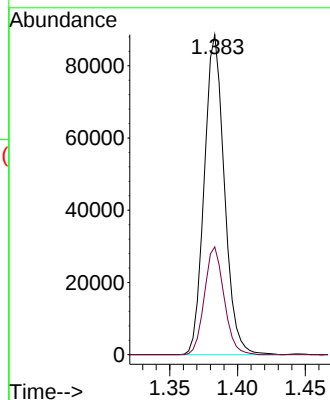
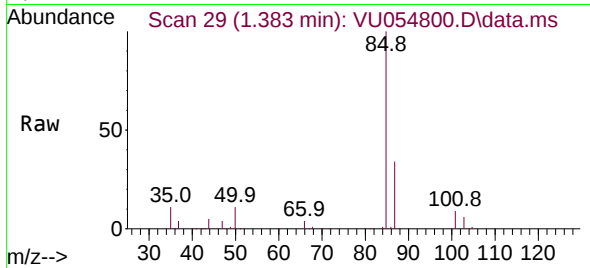




#2
 Dichlorodifluoromethane
 Concen: 46.997 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.003 min
 Lab File: VU054800.D
 Acq: 18 Jul 2023 10:50

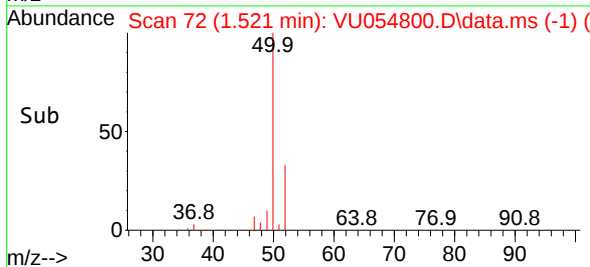
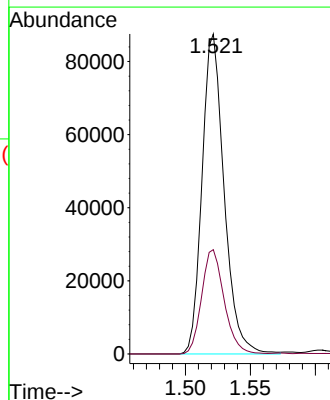
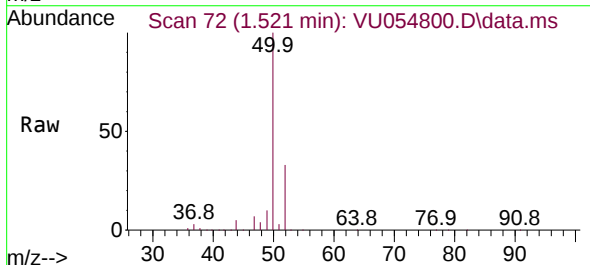
Instrument :
 MSVOA_U
 ClientSampleId :
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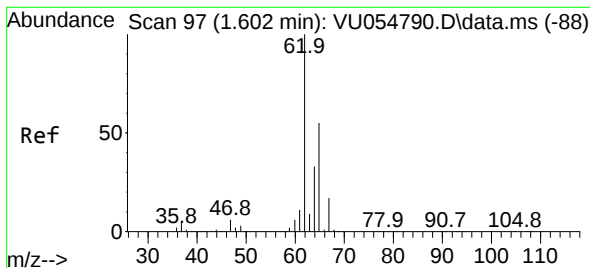
Tgt Ion: 85 Resp: 91318
 Ion Ratio Lower Upper
 85 100
 87 32.9 26.2 39.2



#3
 Chloromethane
 Concen: 46.735 ug/L
 RT: 1.521 min Scan# 72
 Delta R.T. 0.003 min
 Lab File: VU054800.D
 Acq: 18 Jul 2023 10:50

Tgt Ion: 50 Resp: 103561
 Ion Ratio Lower Upper
 50 100
 52 32.6 22.5 41.9





#5

Vinyl chloride

Concen: 46.634 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU054800.D

Acq: 18 Jul 2023 10:50

Instrument :

MSVOA_U

ClientSampleId :

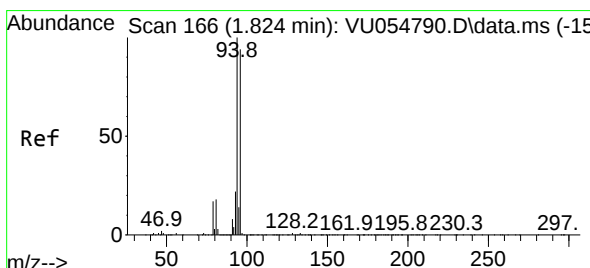
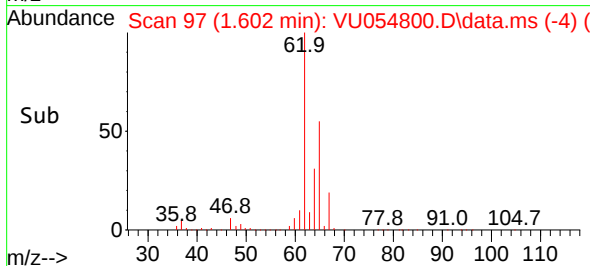
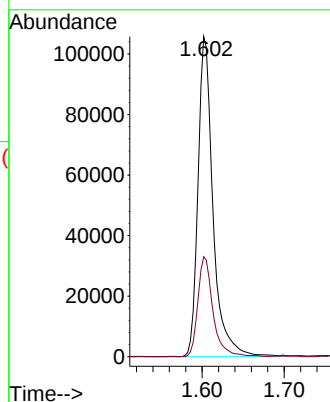
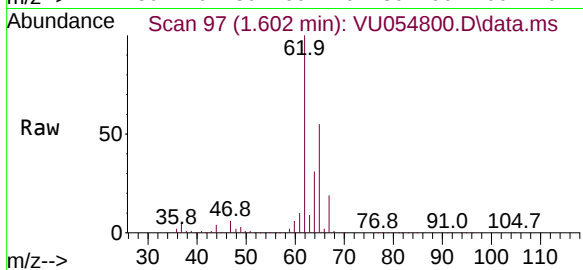
VSTD050104

Tgt Ion: 62 Resp: 134355

Ion Ratio Lower Upper

62 100

64 31.3 22.9 42.5



#6

Bromomethane

Concen: 57.685 ug/L

RT: 1.843 min Scan# 172

Delta R.T. 0.019 min

Lab File: VU054800.D

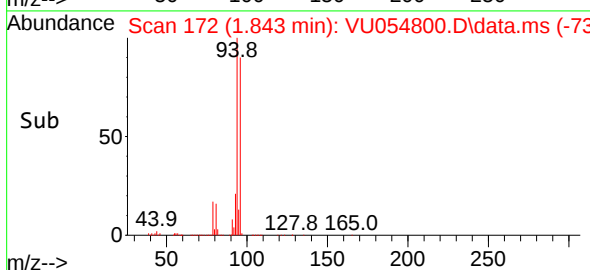
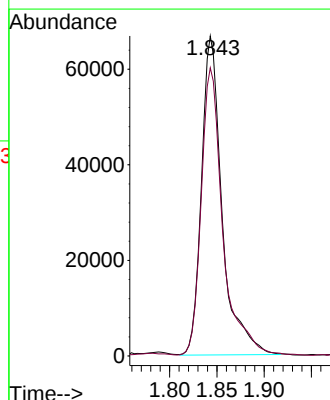
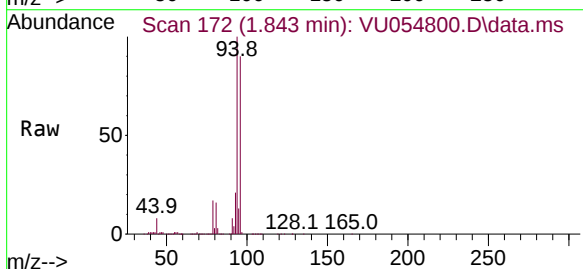
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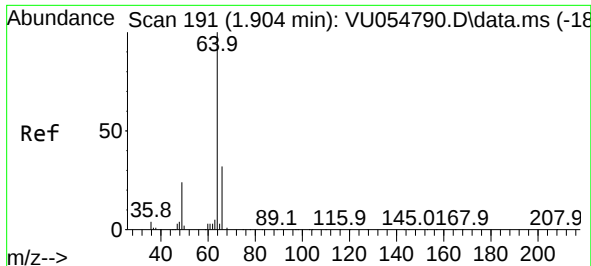
Tgt Ion: 94 Resp: 101155

Ion Ratio Lower Upper

94 100

96 90.1 66.1 122.8

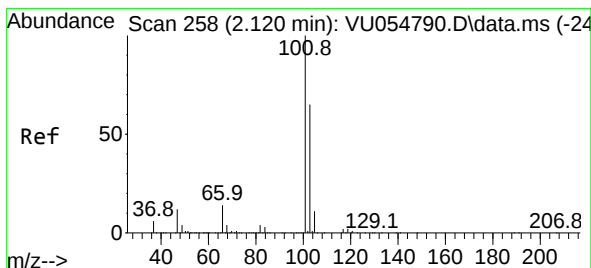
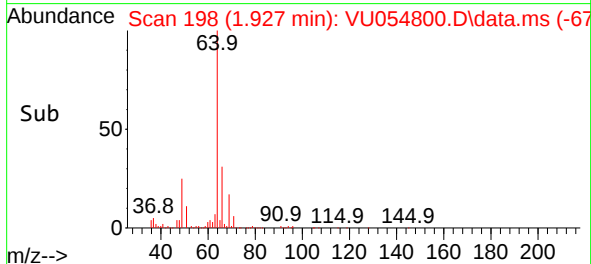
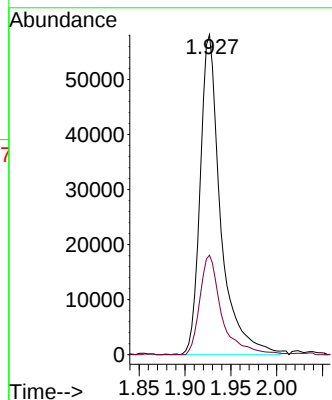
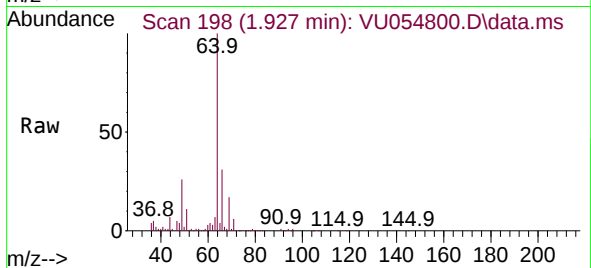




#8
Chloroethane
Concen: 45.184 ug/L
RT: 1.927 min Scan# 191
Delta R.T. 0.022 min
Lab File: VU054800.D
Acq: 18 Jul 2023 10:50

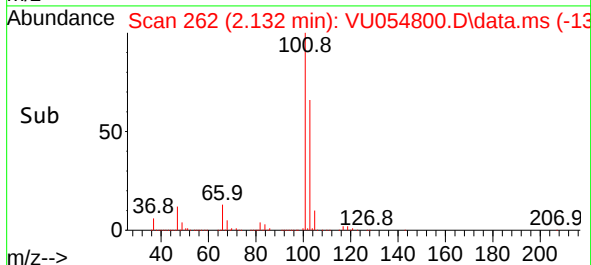
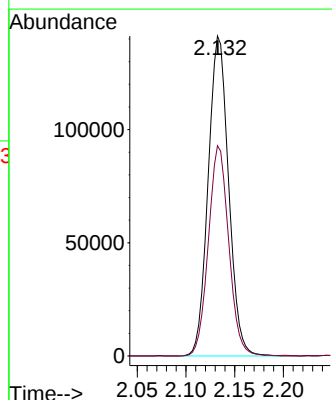
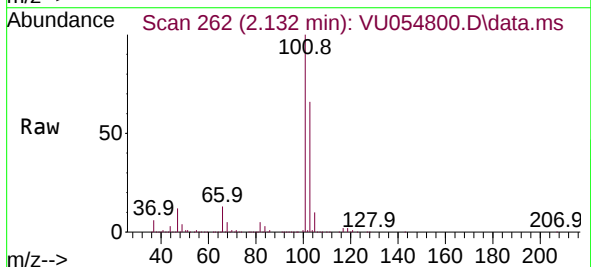
Instrument :
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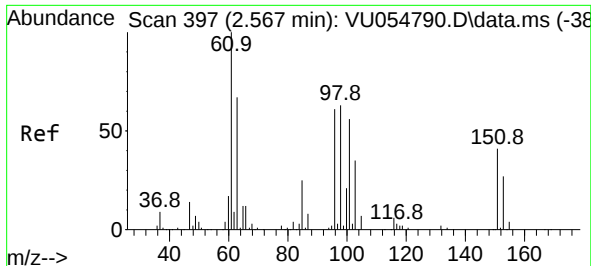
Tgt Ion: 64 Resp: 90056
Ion Ratio Lower Upper
64 100
66 31.1 22.8 42.4



#9
Trichlorofluoromethane
Concen: 44.691 ug/L
RT: 2.132 min Scan# 262
Delta R.T. 0.013 min
Lab File: VU054800.D
Acq: 18 Jul 2023 10:50

Tgt Ion: 101 Resp: 206090
Ion Ratio Lower Upper
101 100
103 65.4 52.2 78.2

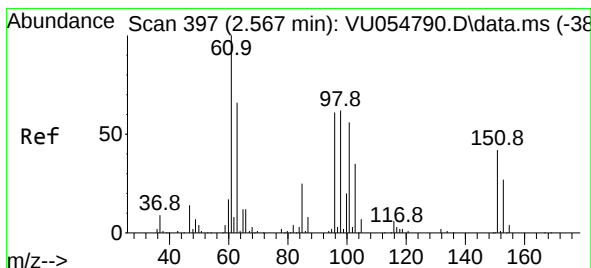
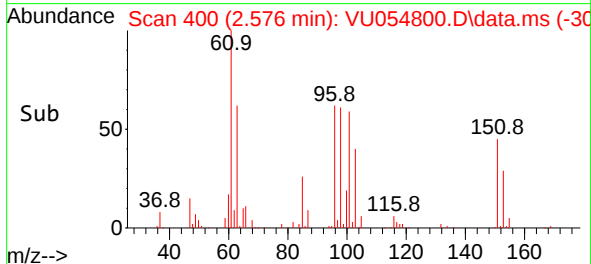
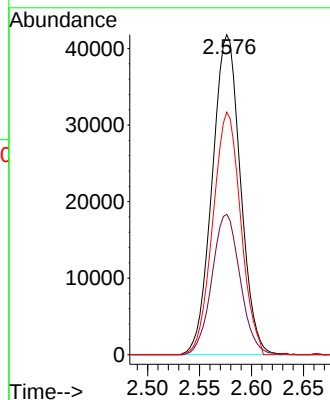
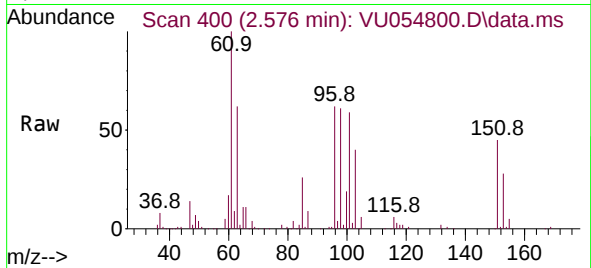




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 46.456 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.009 min
Lab File: VU054800.D
Acq: 18 Jul 2023 10:50

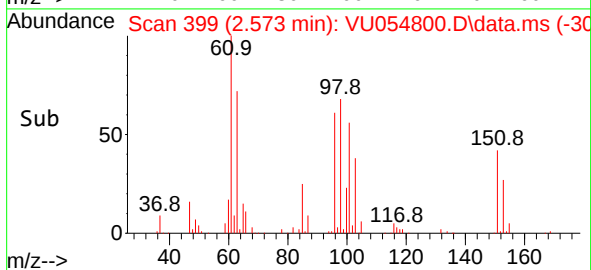
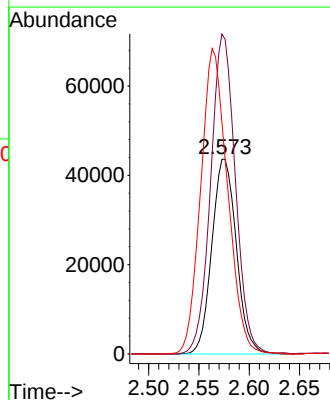
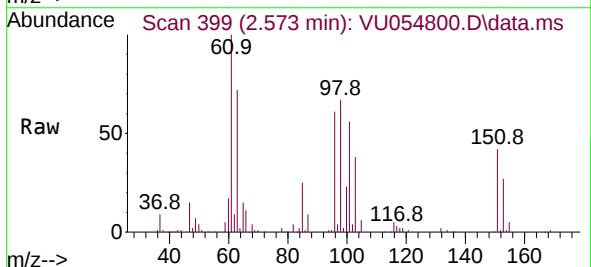
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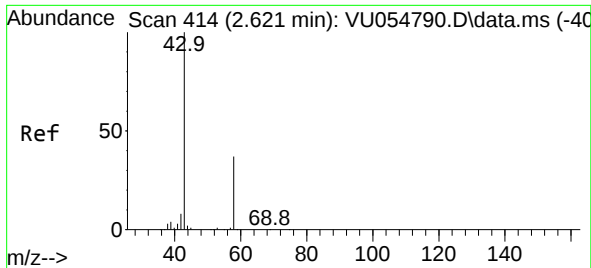
Tgt Ion:101 Resp: 79027
Ion Ratio Lower Upper
101 100
85 43.9 35.3 52.9
151 74.8 58.2 87.4



#12
1,1-Dichloroethene
Concen: 46.259 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.006 min
Lab File: VU054800.D
Acq: 18 Jul 2023 10:50

Tgt Ion: 96 Resp: 74002
Ion Ratio Lower Upper
96 100
61 164.4 115.0 213.6
63 118.9 77.6 144.0





#13

Acetone

Concen: 93.936 ug/L

RT: 2.618 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU054800.D

Acq: 18 Jul 2023 10:50

Instrument :

MSVOA_U

ClientSampleId :

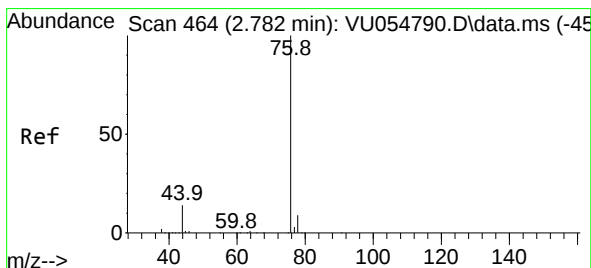
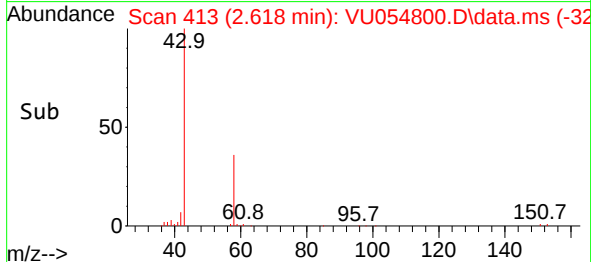
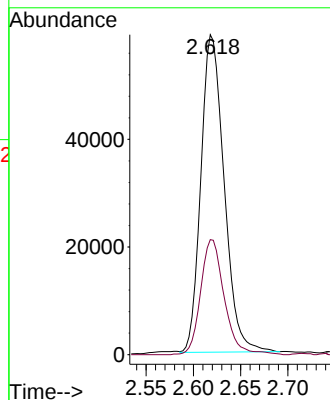
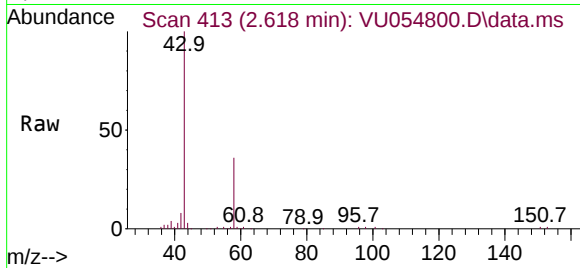
VSTD050104

Tgt Ion: 43 Resp: 100917

Ion Ratio Lower Upper

43 100

58 36.8 0.0 72.4



#14

Carbon disulfide

Concen: 46.949 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.006 min

Lab File: VU054800.D

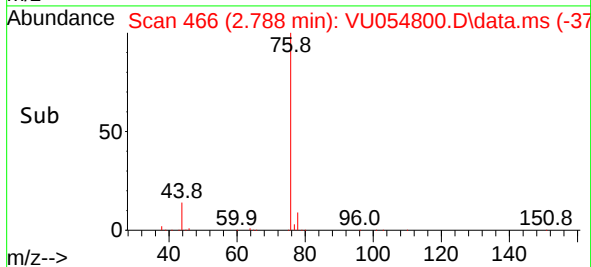
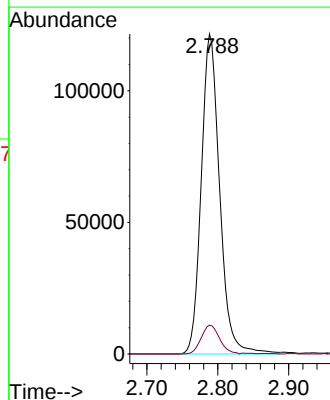
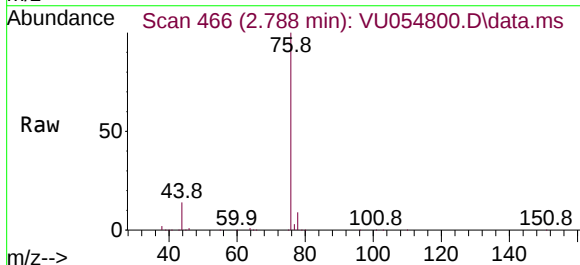
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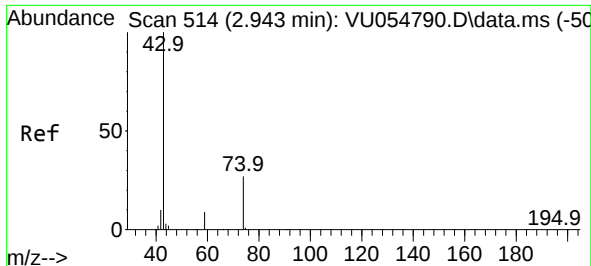
Tgt Ion: 76 Resp: 219310

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

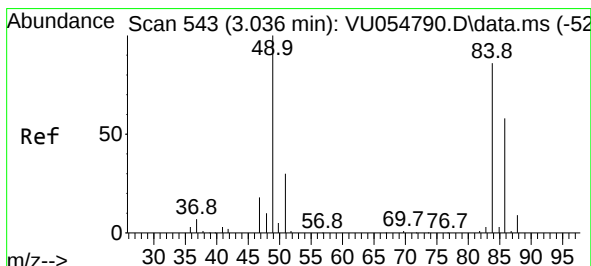
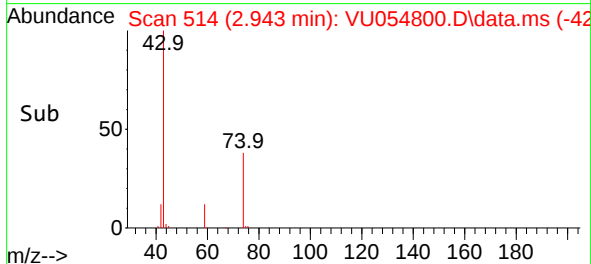
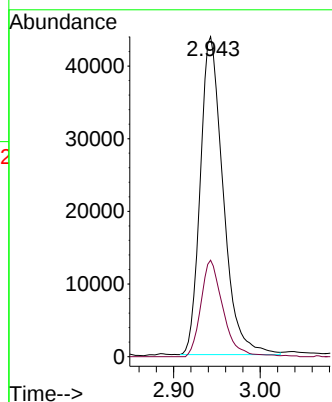
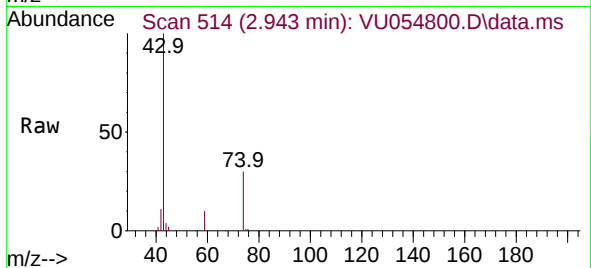




#15
Methyl Acetate
Concen: 44.900 ug/L
RT: 2.943 min Scan# 514
Delta R.T. -0.000 min
Lab File: VU054800.D
Acq: 18 Jul 2023 10:50

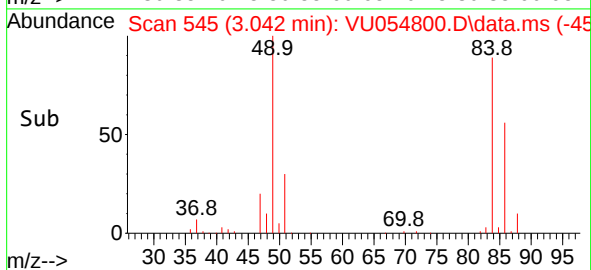
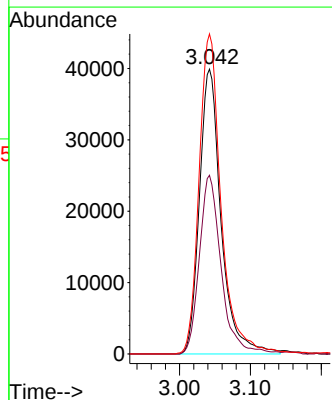
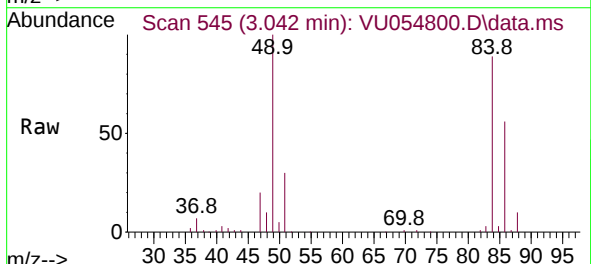
Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

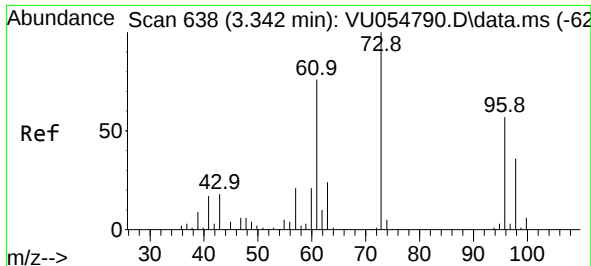
Tgt Ion: 43 Resp: 80457
Ion Ratio Lower Upper
43 100
74 29.2 21.8 32.8



#16
Methylene chloride
Concen: 43.977 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.006 min
Lab File: VU054800.D
Acq: 18 Jul 2023 10:50

Tgt Ion: 84 Resp: 84928
Ion Ratio Lower Upper
84 100
86 62.7 46.8 87.0
49 112.3 81.3 151.1

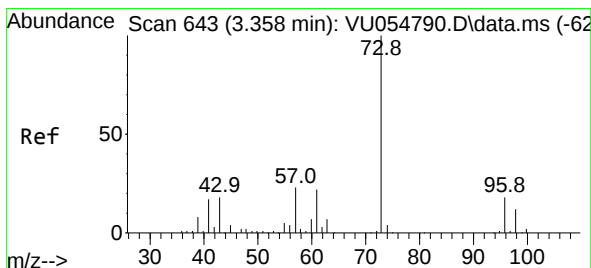
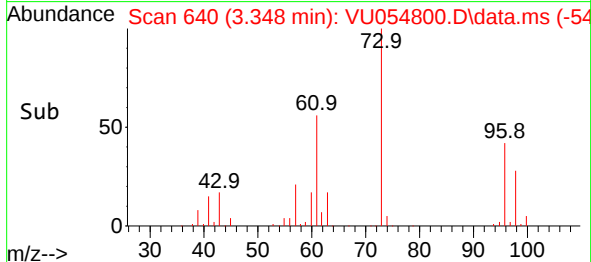
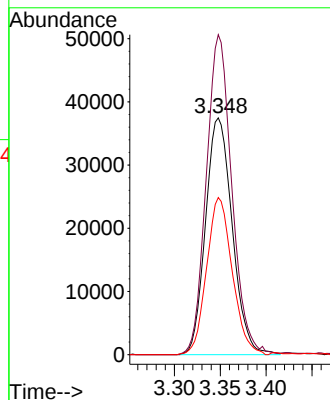
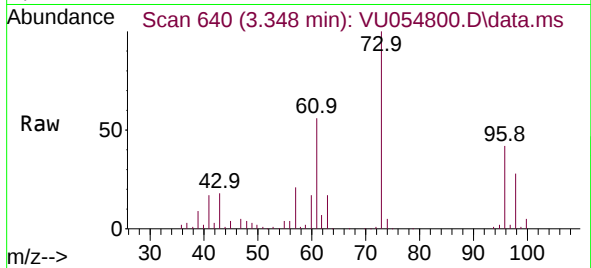




#17
trans-1,2-Dichloroethene
Concen: 45.902 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.006 min
Lab File: VU054800.D
Acq: 18 Jul 2023 10:50

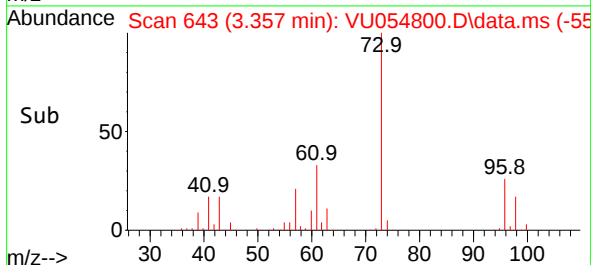
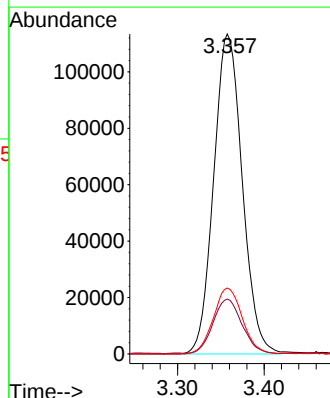
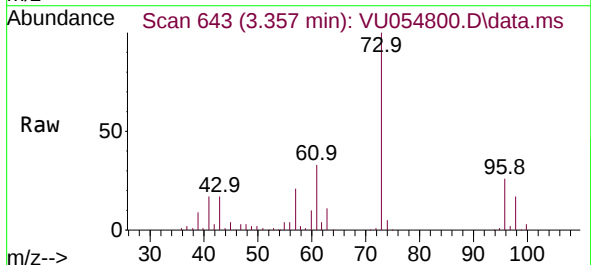
Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

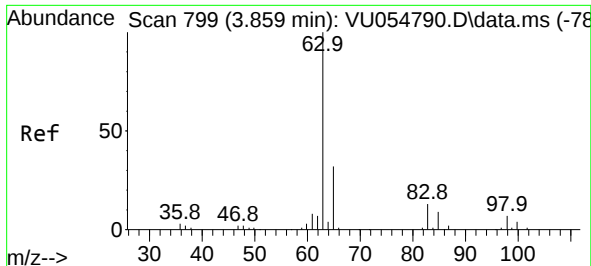
Tgt Ion: 96 Resp: 76006
Ion Ratio Lower Upper
96 100
61 135.1 93.2 173.2
98 66.4 44.7 82.9



#18
Methyl tert-butyl Ether
Concen: 45.304 ug/L
RT: 3.357 min Scan# 643
Delta R.T. -0.000 min
Lab File: VU054800.D
Acq: 18 Jul 2023 10:50

Tgt Ion: 73 Resp: 259614
Ion Ratio Lower Upper
73 100
43 17.1 14.3 21.5
57 20.9 17.4 26.0





#19

1,1-Dichloroethane

Concen: 45.990 ug/L

RT: 3.862 min Scan# 80

Delta R.T. 0.003 min

Lab File: VU054800.D

Acq: 18 Jul 2023 10:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD050104

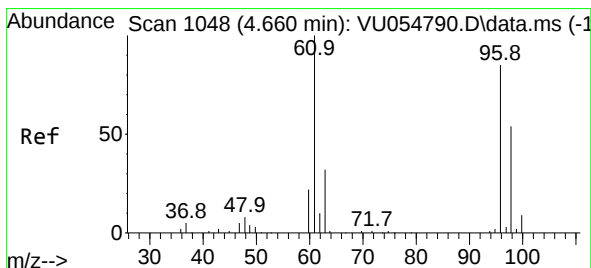
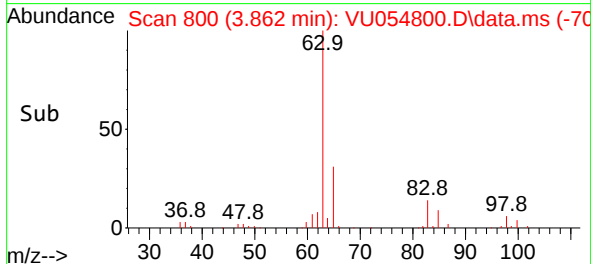
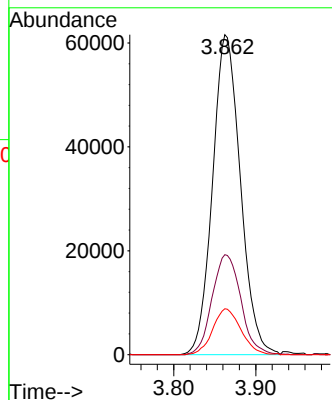
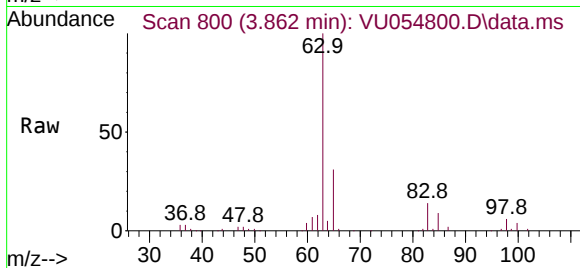
Tgt Ion: 63 Resp: 145306

Ion Ratio Lower Upper

63 100

65 29.9 22.1 41.1

83 13.7 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 45.531 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.003 min

Lab File: VU054800.D

Acq: 18 Jul 2023 10:50

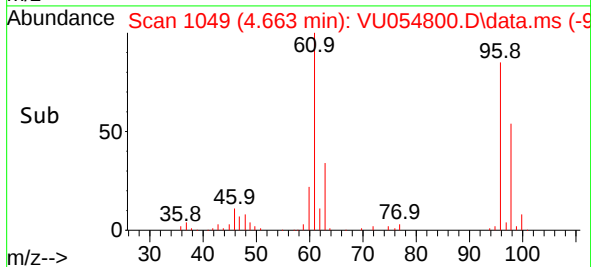
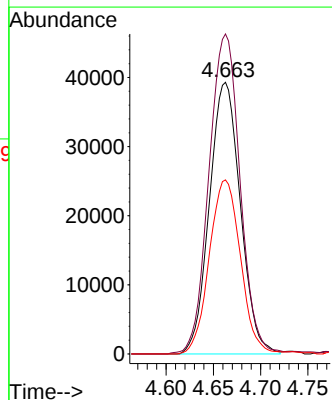
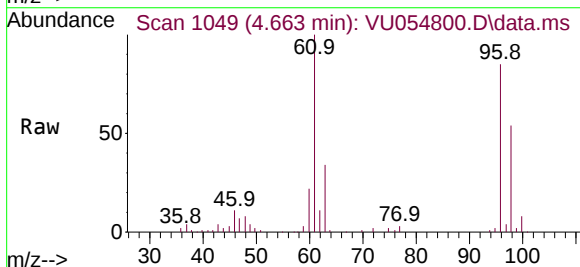
Tgt Ion: 96 Resp: 89607

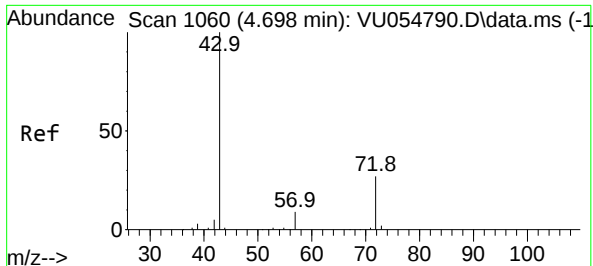
Ion Ratio Lower Upper

96 100

61 117.8 82.7 153.7

98 64.1 44.4 82.5





#22

2-Butanone

Concen: 88.743 ug/L

RT: 4.695 min Scan# 1059

Delta R.T. -0.003 min

Lab File: VU054800.D

Acq: 18 Jul 2023 10:50

Instrument :

MSVOA_U

ClientSampleId :

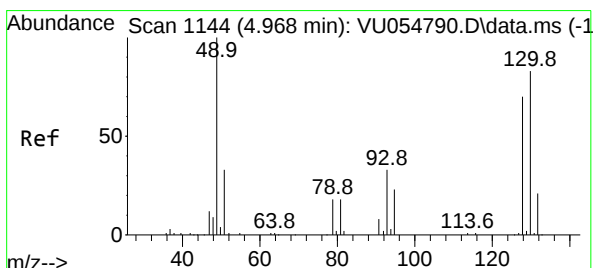
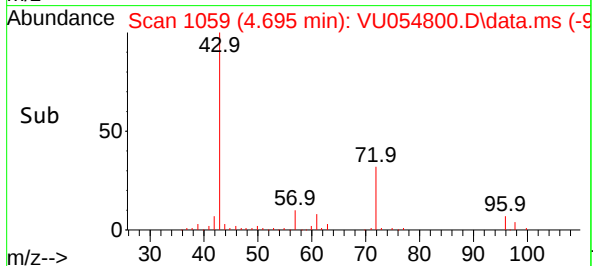
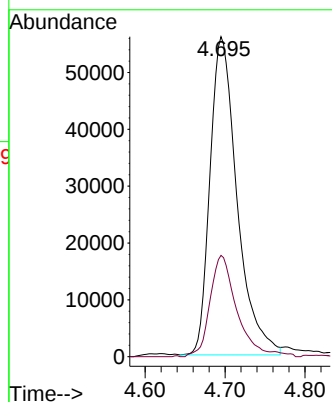
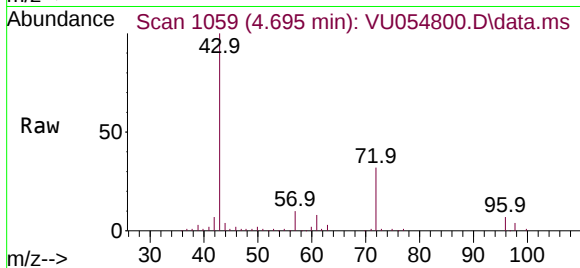
VSTD050104

Tgt Ion: 43 Resp: 131623

Ion Ratio Lower Upper

43 100

72 30.8 15.2 45.6



#23

Bromochloromethane

Concen: 46.465 ug/L

RT: 4.971 min Scan# 1145

Delta R.T. 0.003 min

Lab File: VU054800.D

Acq: 18 Jul 2023 10:50

Tgt Ion:128 Resp: 46522

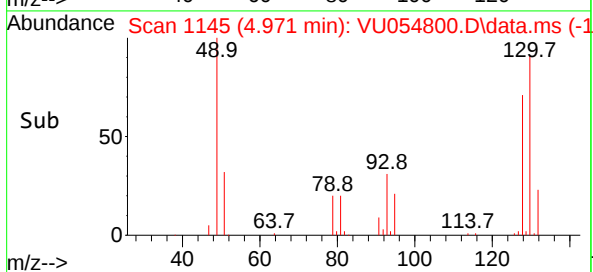
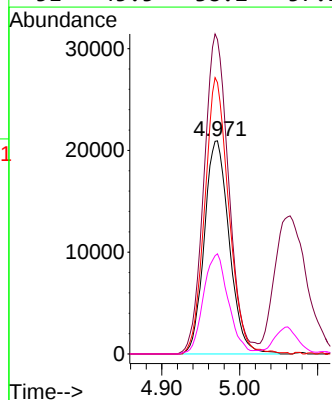
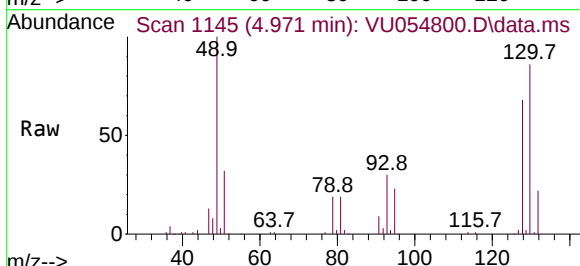
Ion Ratio Lower Upper

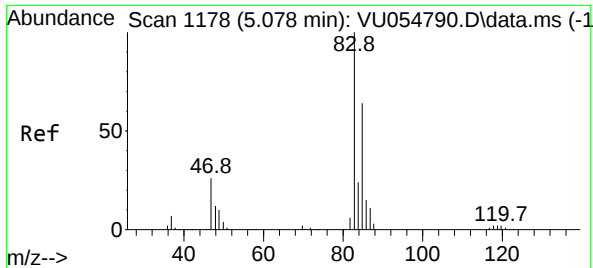
128 100

49 143.0 100.6 186.8

130 123.4 83.0 154.1

51 45.5 38.2 57.2





#25

Chloroform

Concen: 45.842 ug/L

RT: 5.084 min Scan# 1178

Delta R.T. 0.006 min

Lab File: VU054800.D

Acq: 18 Jul 2023 10:50

Instrument :

MSVOA_U

ClientSampleId :

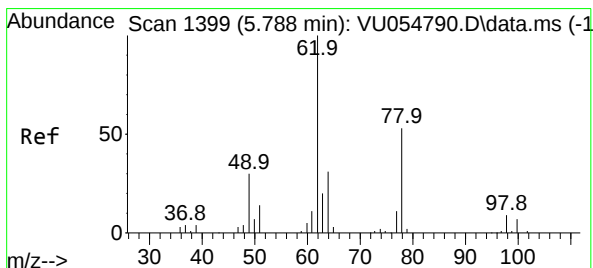
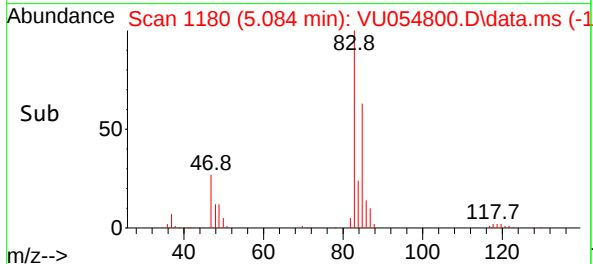
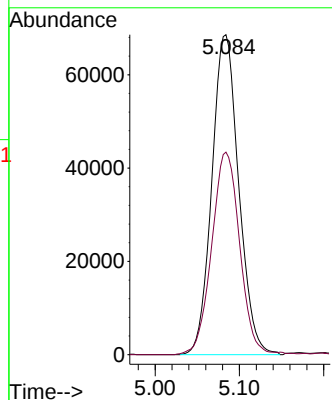
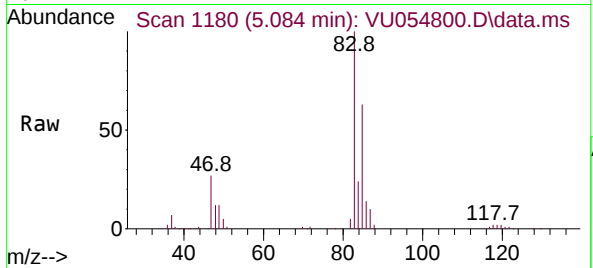
VSTD050104

Tgt Ion: 83 Resp: 151884

Ion Ratio Lower Upper

83 100

85 63.3 44.7 82.9



#27

1,2-Dichloroethane

Concen: 45.568 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU054800.D

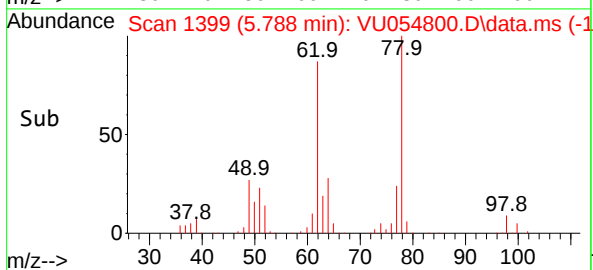
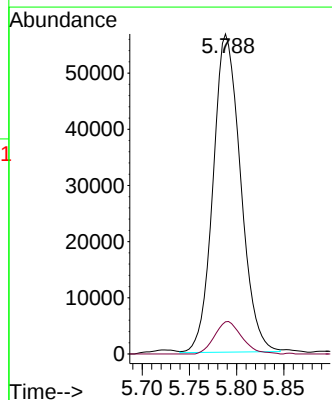
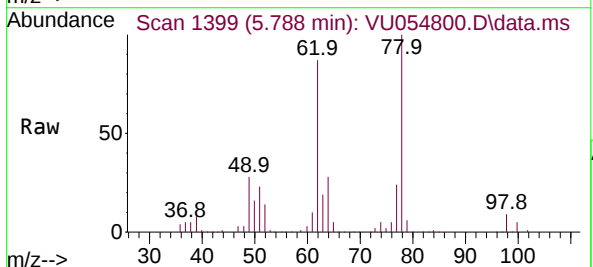
Acq: 18 Jul 2023 10:50

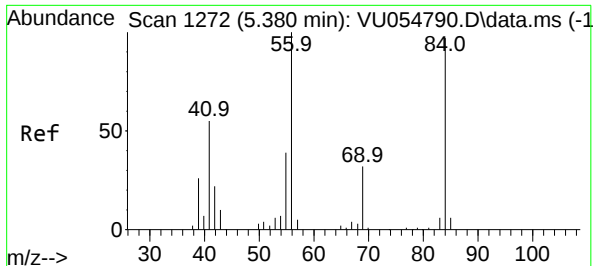
Tgt Ion: 62 Resp: 114654

Ion Ratio Lower Upper

62 100

98 10.1 7.5 11.3





#29

Cyclohexane

Concen: 48.085 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. 0.003 min

Lab File: VU054800.D

Acq: 18 Jul 2023 10:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD050104

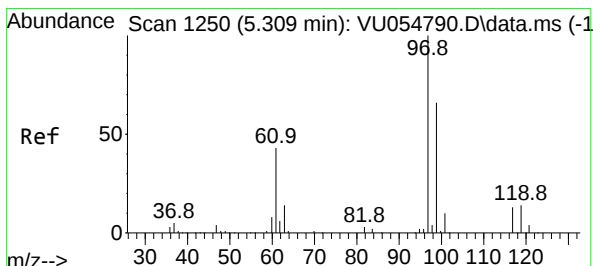
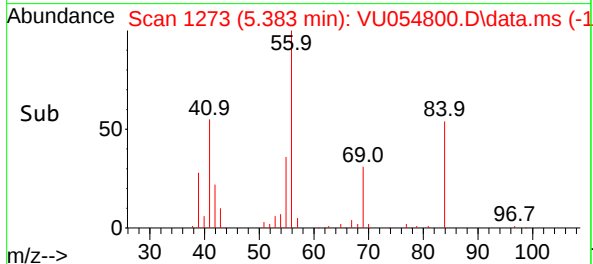
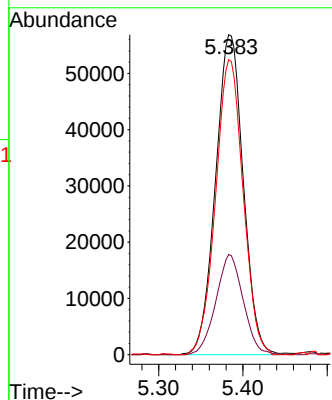
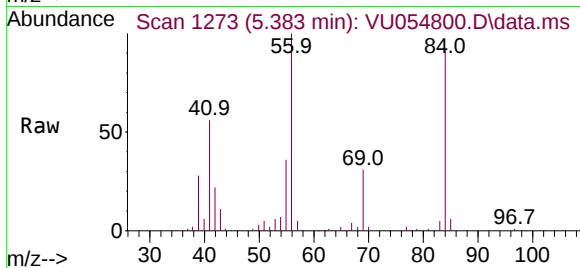
Tgt Ion: 56 Resp: 129739

Ion Ratio Lower Upper

56 100

69 30.8 25.8 38.8

84 91.5 75.9 113.9



#30

1,1,1-Trichloroethane

Concen: 49.080 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.000 min

Lab File: VU054800.D

Acq: 18 Jul 2023 10:50

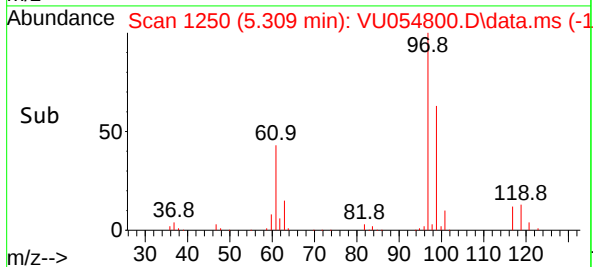
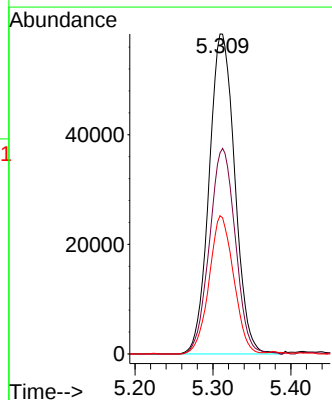
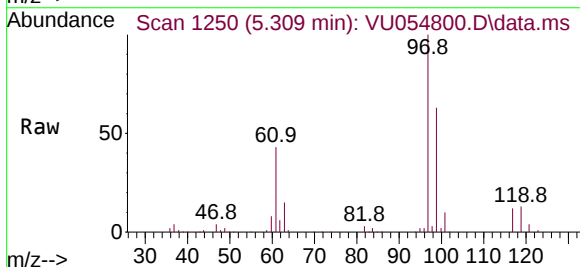
Tgt Ion: 97 Resp: 133653

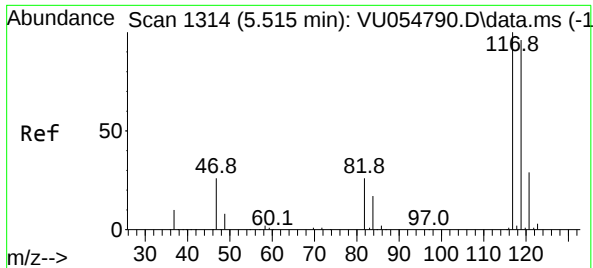
Ion Ratio Lower Upper

97 100

99 64.9 52.0 78.0

61 41.3 34.3 51.5

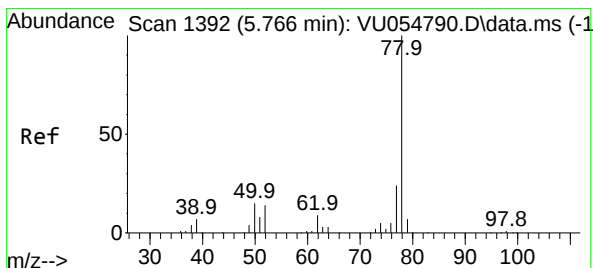
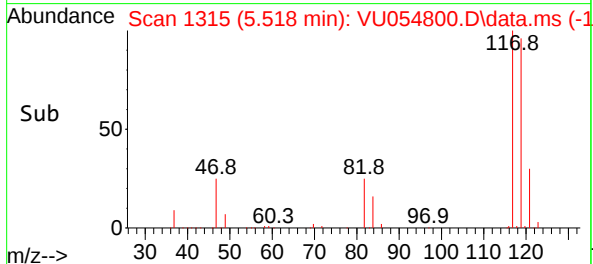
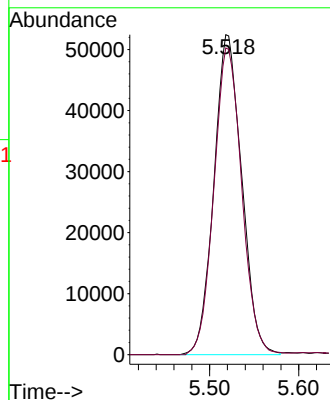
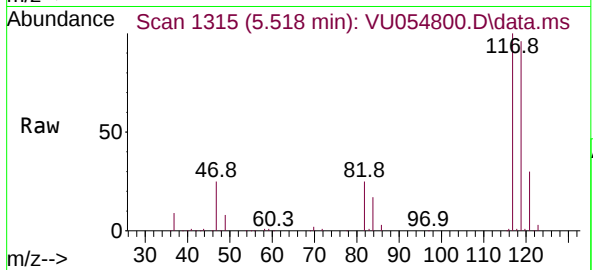




#31
Carbon tetrachloride
Concen: 48.251 ug/L
RT: 5.518 min Scan# 113470
Delta R.T. 0.003 min
Lab File: VU054800.D
Acq: 18 Jul 2023 10:50

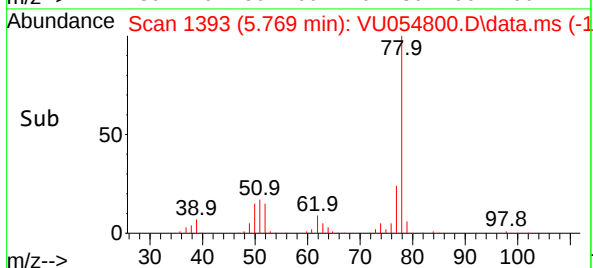
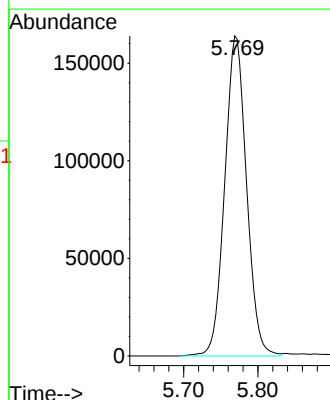
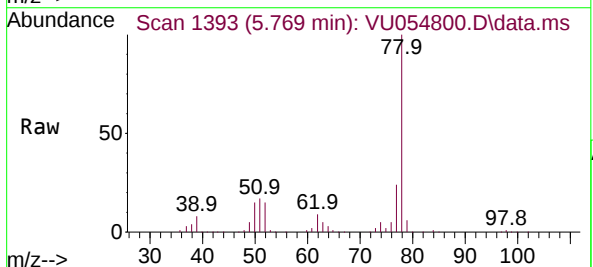
Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

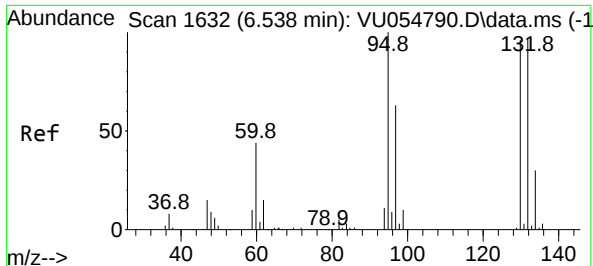
Tgt Ion:117 Resp: 113470
Ion Ratio Lower Upper
117 100
119 96.1 77.4 116.2



#33
Benzene
Concen: 47.587 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.003 min
Lab File: VU054800.D
Acq: 18 Jul 2023 10:50

Tgt Ion: 78 Resp: 334554

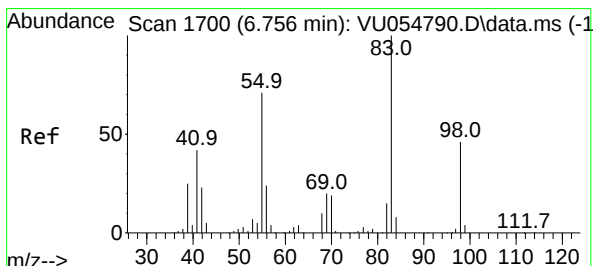
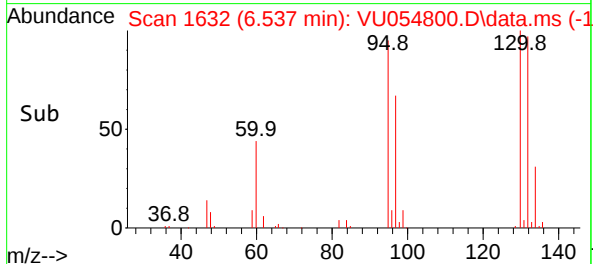
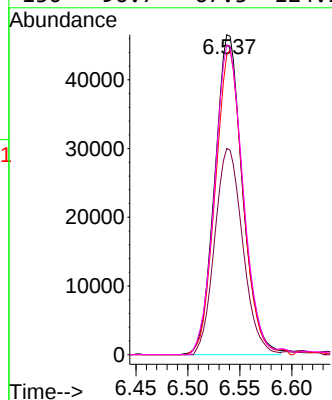
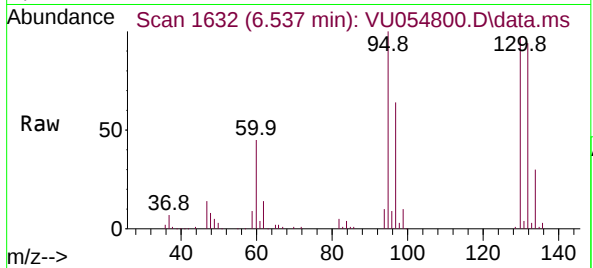




#34
Trichloroethene
Concen: 48.470 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU054800.D
Acq: 18 Jul 2023 10:50

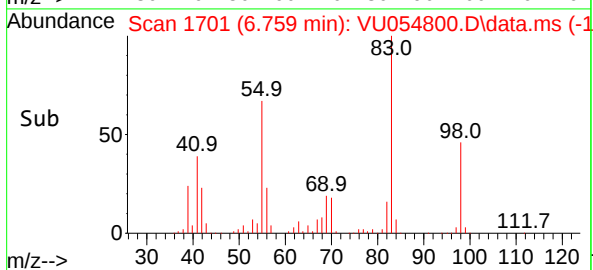
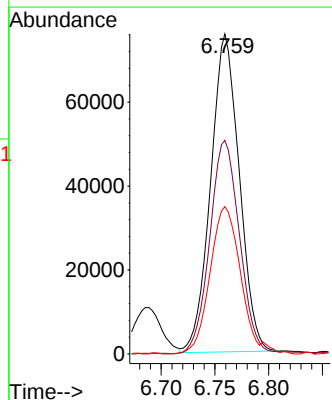
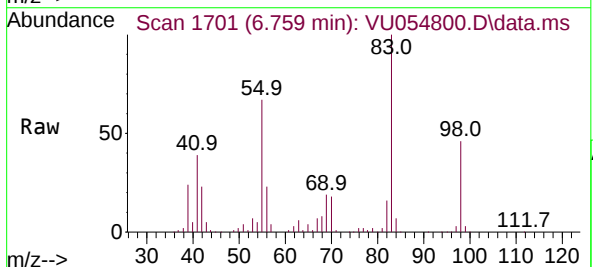
Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

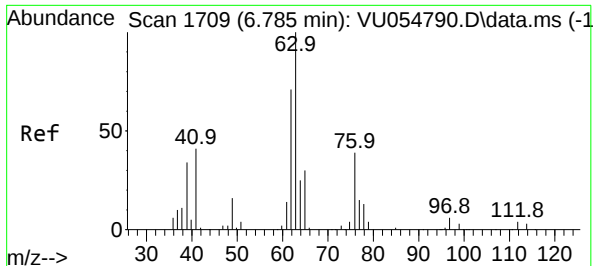
Tgt Ion: 95 Resp: 86740
Ion Ratio Lower Upper
95 100
97 64.4 44.0 81.8
132 93.7 67.9 126.1
130 96.7 67.3 124.9



#35
Methylcyclohexane
Concen: 47.922 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.003 min
Lab File: VU054800.D
Acq: 18 Jul 2023 10:50

Tgt Ion: 83 Resp: 140154
Ion Ratio Lower Upper
83 100
55 70.7 55.8 83.8
98 48.5 38.6 58.0





#37

1,2-Dichloropropane

Concen: 46.360 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054800.D

Acq: 18 Jul 2023 10:50

Instrument :

MSVOA_U

ClientSampleId :

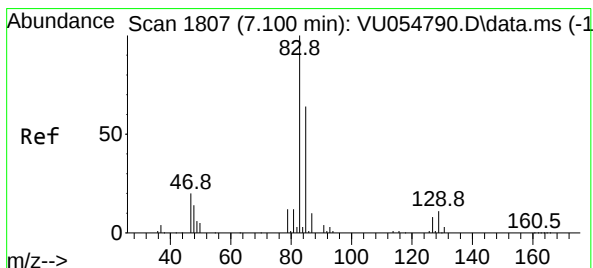
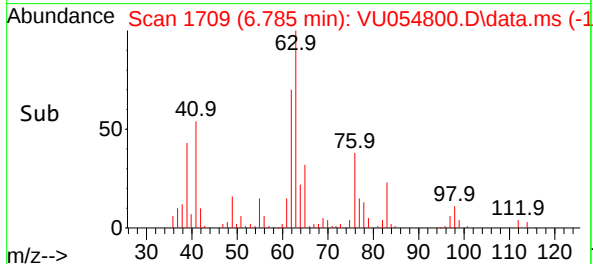
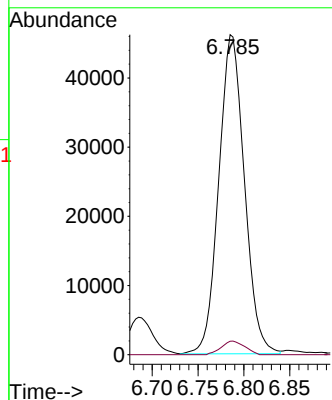
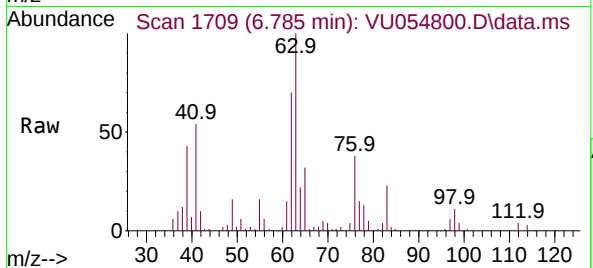
VSTD050104

Tgt Ion: 63 Resp: 89638

Ion Ratio Lower Upper

63 100

112 3.9 3.1 4.7



#38

Bromodichloromethane

Concen: 46.665 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VU054800.D

Acq: 18 Jul 2023 10:50

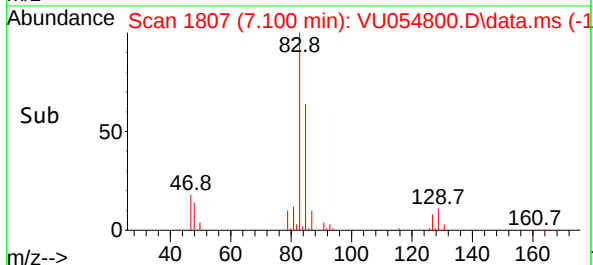
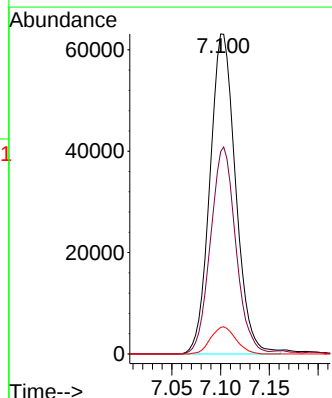
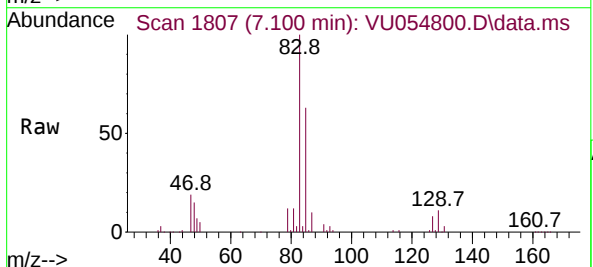
Tgt Ion: 83 Resp: 115759

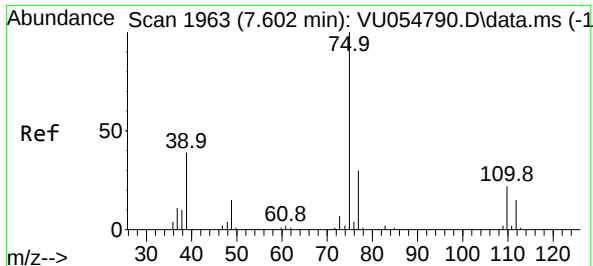
Ion Ratio Lower Upper

83 100

85 63.3 44.9 83.3

127 9.1 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 47.600 ug/L

RT: 7.605 min Scan# 1963

Delta R.T. 0.003 min

Lab File: VU054800.D

Acq: 18 Jul 2023 10:50

Instrument :

MSVOA_U

ClientSampleId :

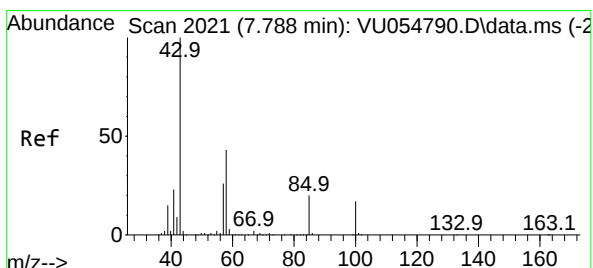
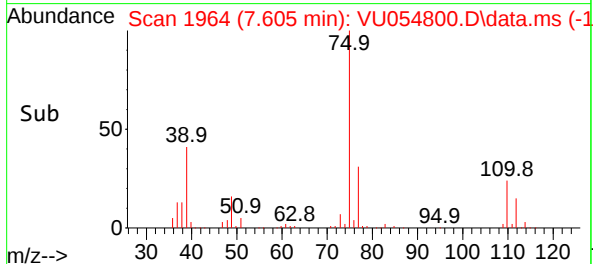
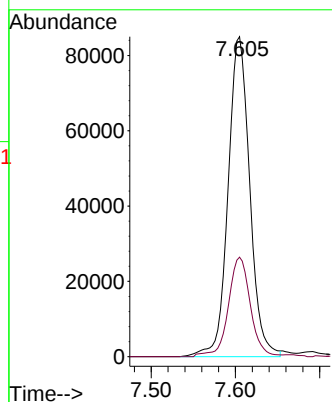
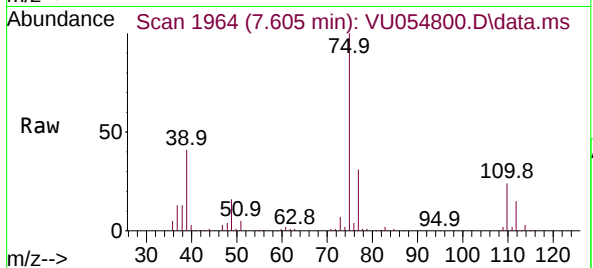
VSTD050104

Tgt Ion: 75 Resp: 151793

Ion Ratio Lower Upper

75 100

77 32.2 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 84.945 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.003 min

Lab File: VU054800.D

Acq: 18 Jul 2023 10:50

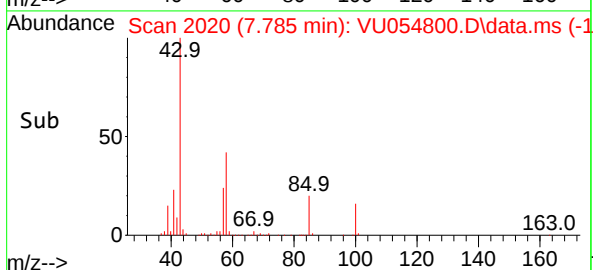
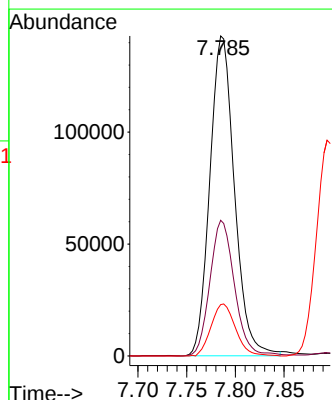
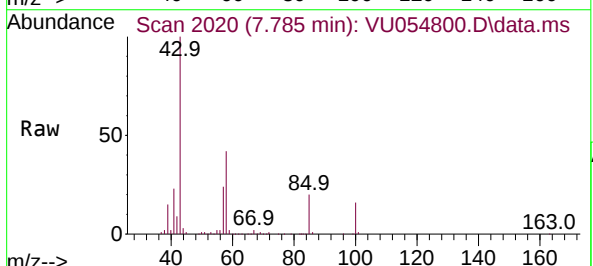
Tgt Ion: 43 Resp: 251491

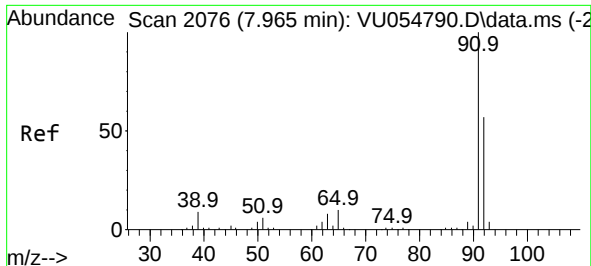
Ion Ratio Lower Upper

43 100

58 42.4 33.7 50.5

100 16.1 13.0 19.4





#42

Toluene

Concen: 46.872 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU054800.D

Acq: 18 Jul 2023 10:50

Instrument :

MSVOA_U

ClientSampleId :

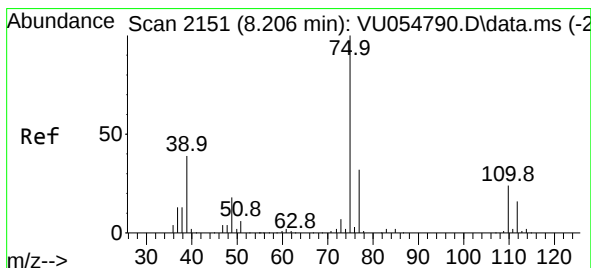
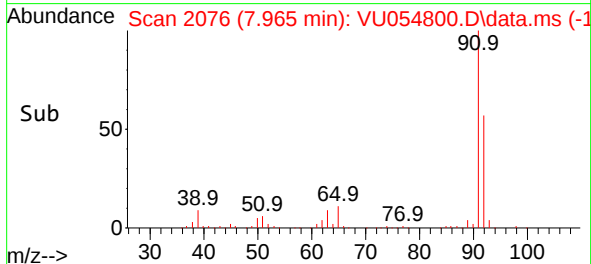
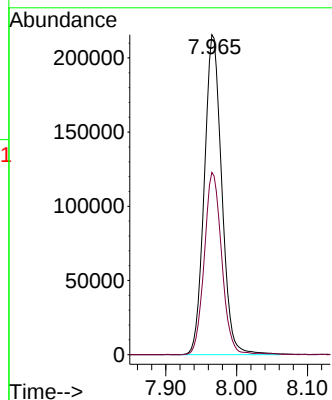
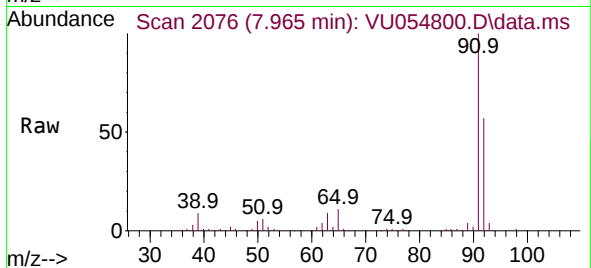
VSTD050104

Tgt Ion: 91 Resp: 368740

Ion Ratio Lower Upper

91 100

92 56.9 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 46.142 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU054800.D

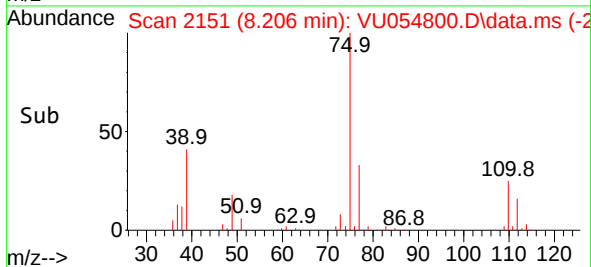
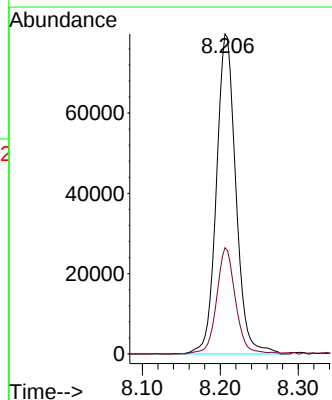
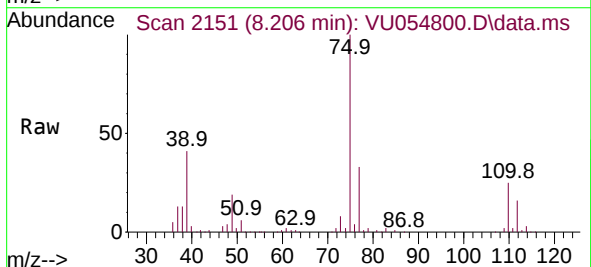
Acq: 18 Jul 2023 10:50

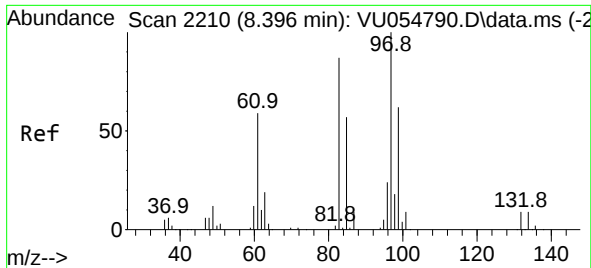
Tgt Ion: 75 Resp: 138245

Ion Ratio Lower Upper

75 100

77 33.2 22.7 42.1

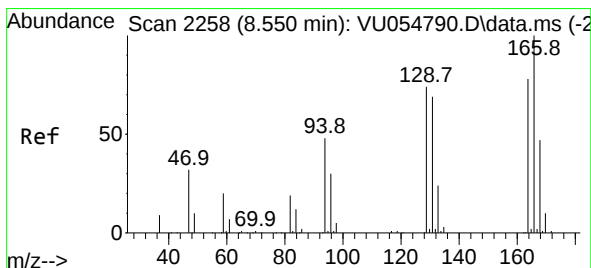
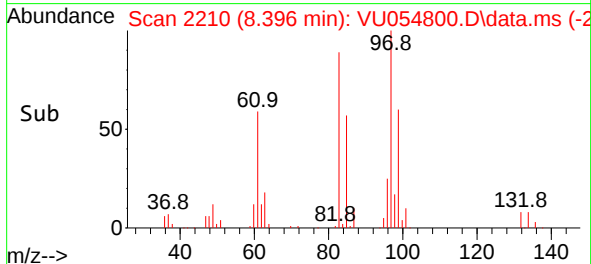
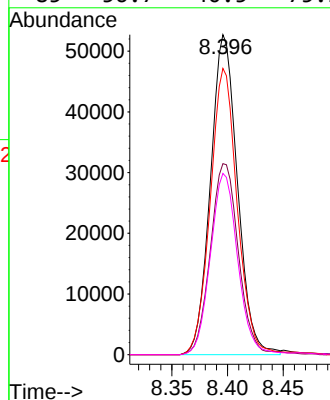
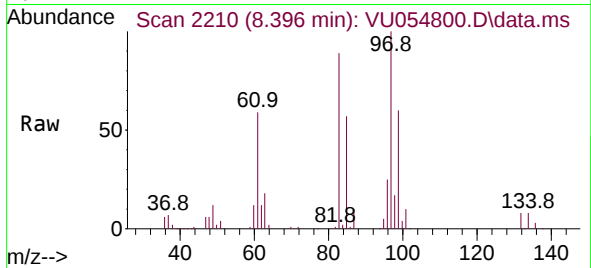




#45
1,1,2-Trichloroethane
Concen: 45.153 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. -0.000 min
Lab File: VU054800.D
Acq: 18 Jul 2023 10:50

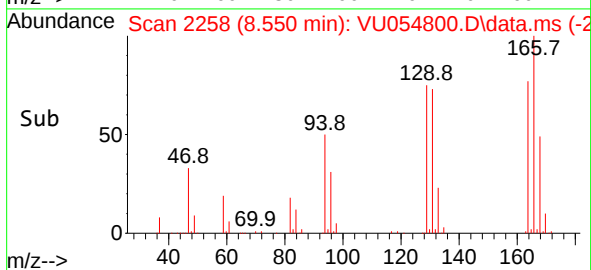
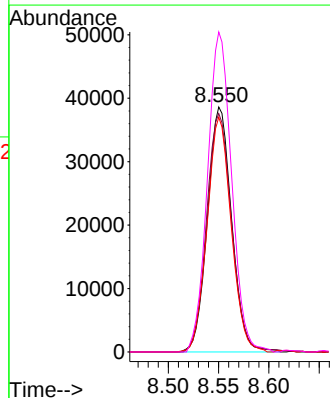
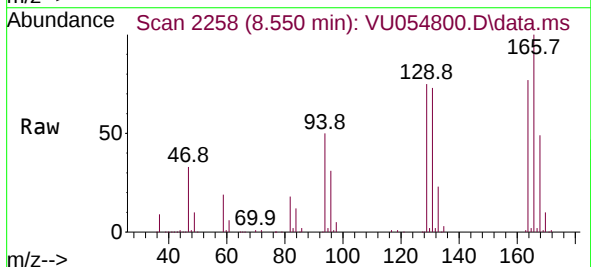
Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

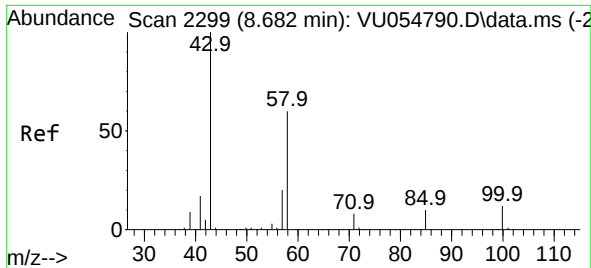
Tgt Ion:	97	Resp:	89011
Ion	Ratio	Lower	Upper
97	100		
99	59.7	43.3	80.5
83	89.4	60.6	112.6
85	56.7	40.5	75.3



#46
Tetrachloroethene
Concen: 47.132 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU054800.D
Acq: 18 Jul 2023 10:50

Tgt Ion:	164	Resp:	64664
Ion	Ratio	Lower	Upper
164	100		
129	97.3	66.2	123.0
131	95.8	61.9	115.1
166	130.6	89.2	165.8



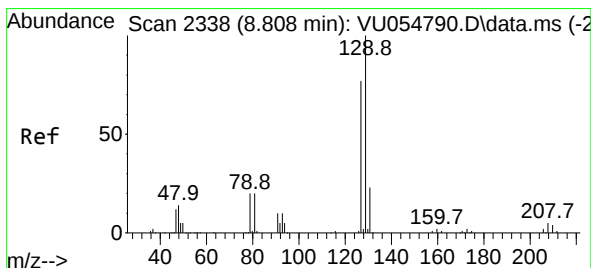
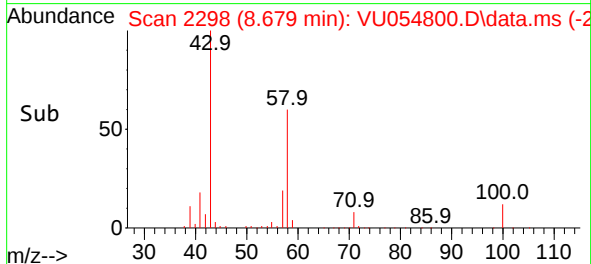
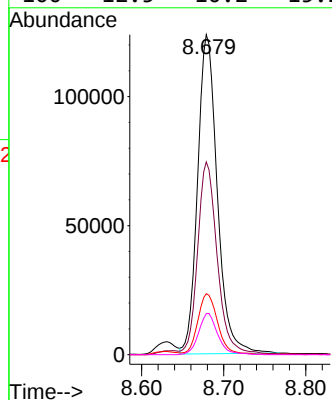
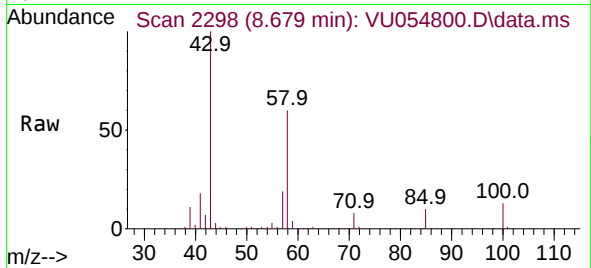


#48
2-Hexanone
Concen: 84.261 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU054800.D
Acq: 18 Jul 2023 10:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

Tgt Ion: 43 Resp: 206666

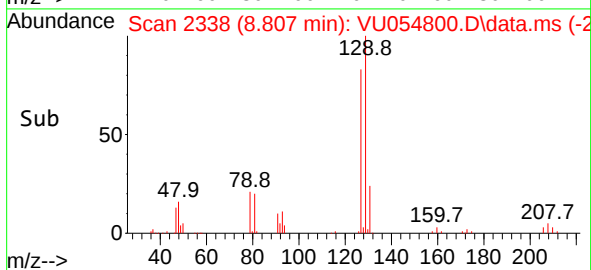
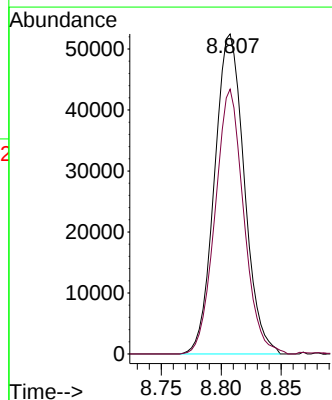
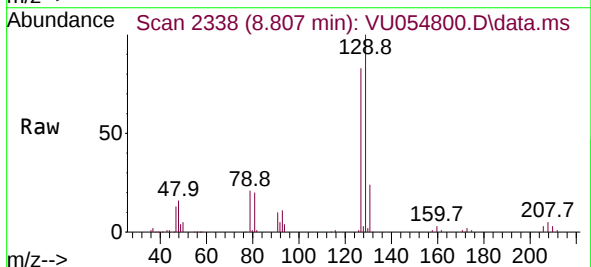
Ion	Ratio	Lower	Upper
43	100		
58	60.4	46.5	69.7
57	19.2	15.4	23.2
100	12.5	10.2	15.2

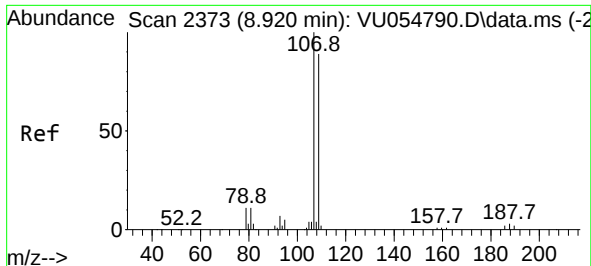


#49
Dibromochloromethane
Concen: 44.661 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. -0.000 min
Lab File: VU054800.D
Acq: 18 Jul 2023 10:50

Tgt Ion: 129 Resp: 90684

Ion	Ratio	Lower	Upper
129	100		
127	82.7	54.4	101.0





#50

1,2-Dibromoethane

Concen: 45.410 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054800.D

Acq: 18 Jul 2023 10:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD050104

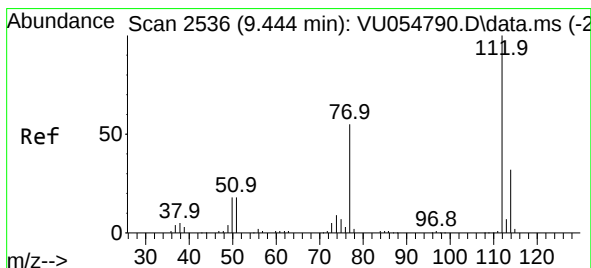
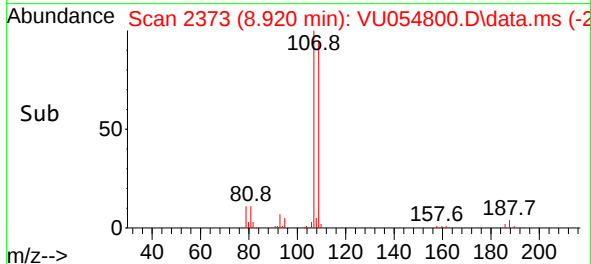
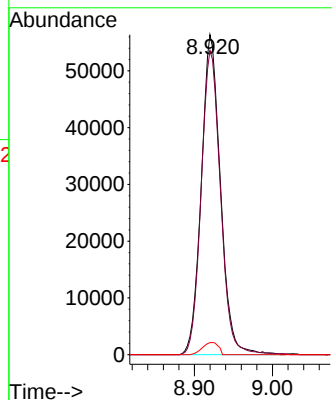
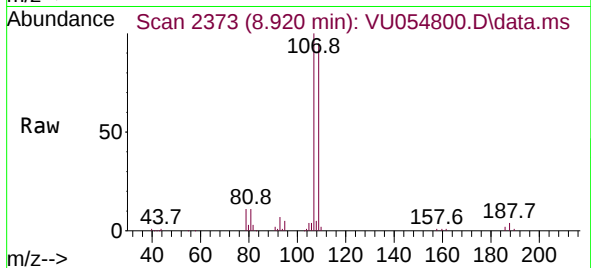
Tgt Ion:107 Resp: 96353

Ion Ratio Lower Upper

107 100

109 95.1 62.5 116.1

188 3.8 2.6 4.0



#51

Chlorobenzene

Concen: 45.458 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. -0.000 min

Lab File: VU054800.D

Acq: 18 Jul 2023 10:50

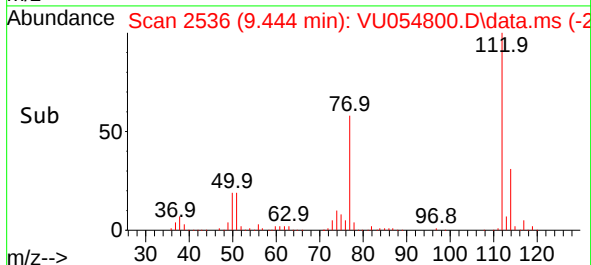
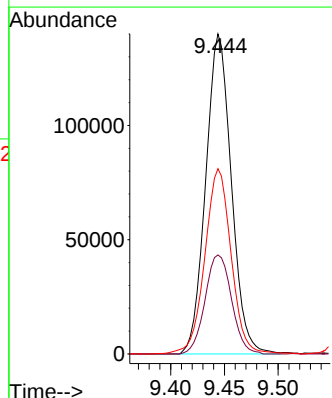
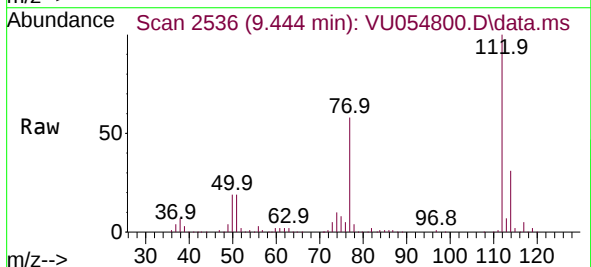
Tgt Ion:112 Resp: 232654

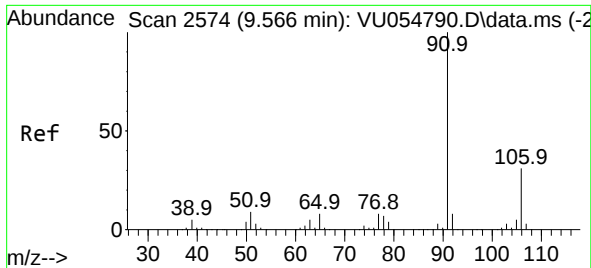
Ion Ratio Lower Upper

112 100

114 30.9 22.3 41.5

77 57.9 44.2 66.4

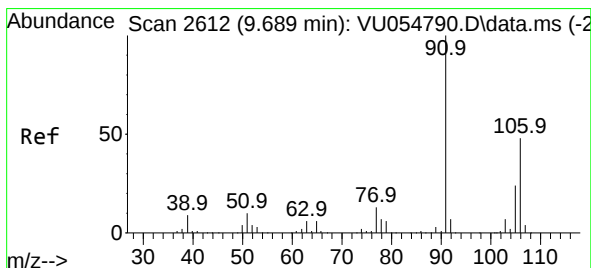
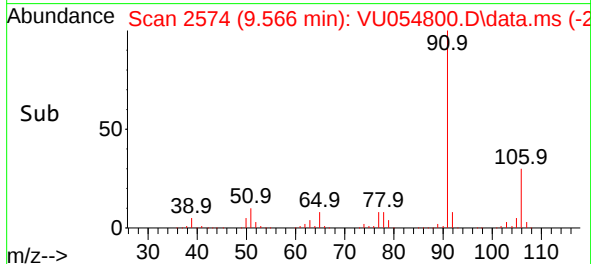
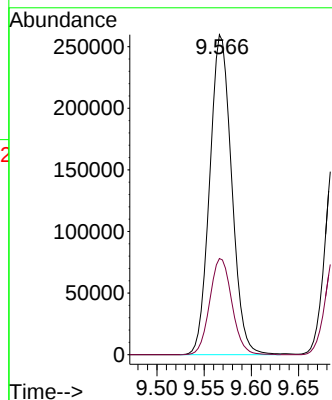
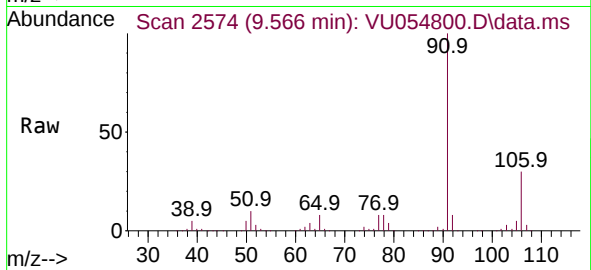




#52
Ethylbenzene
Concen: 46.111 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054800.D
Acq: 18 Jul 2023 10:50

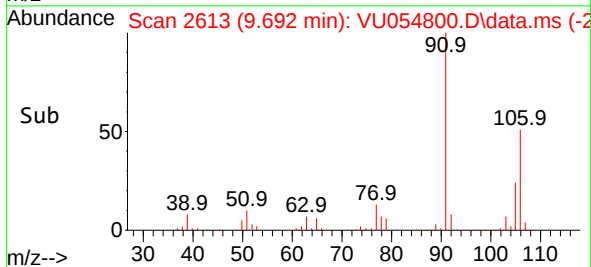
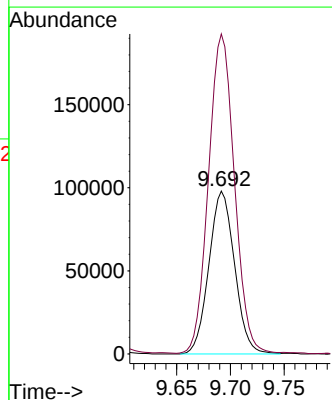
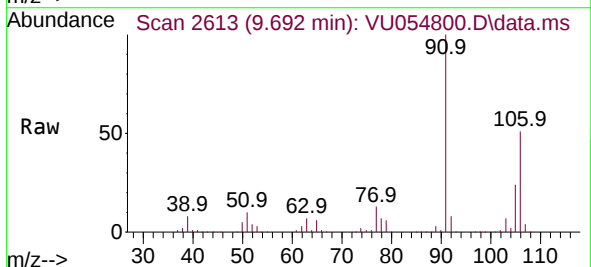
Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

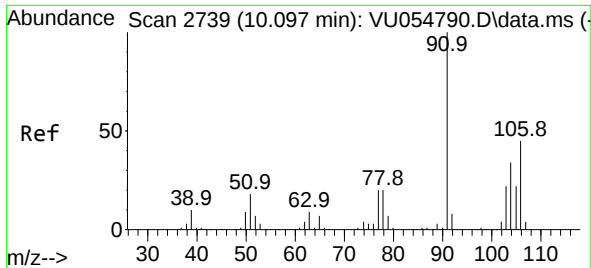
Tgt Ion: 91 Resp: 419393
Ion Ratio Lower Upper
91 100
106 30.1 23.5 43.7



#53
m,p-Xylene
Concen: 46.990 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU054800.D
Acq: 18 Jul 2023 10:50

Tgt Ion:106 Resp: 162721
Ion Ratio Lower Upper
106 100
91 182.8 133.3 247.7

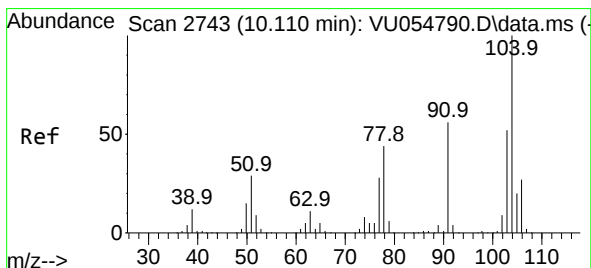
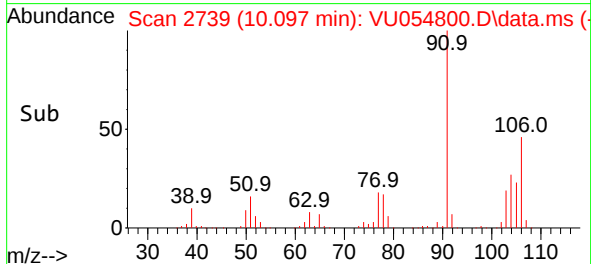
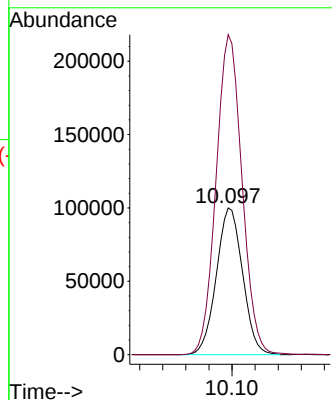
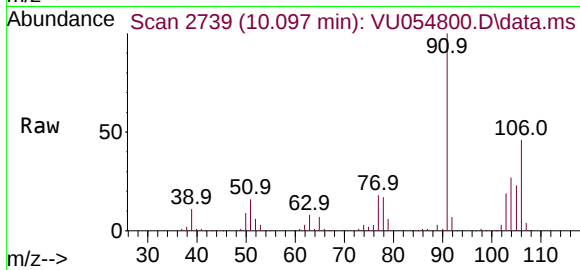




#54
o-Xylene
Concen: 44.873 ug/L
RT: 10.097 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054800.D
Acq: 18 Jul 2023 10:50

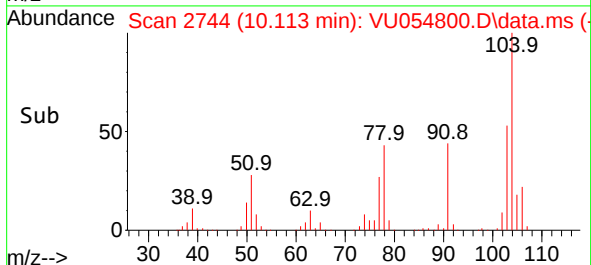
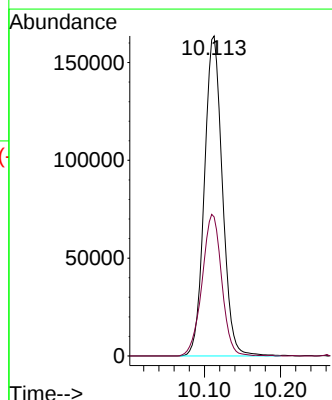
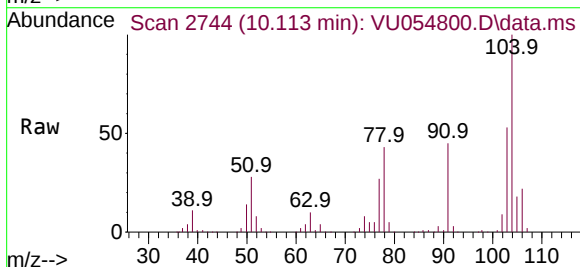
Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

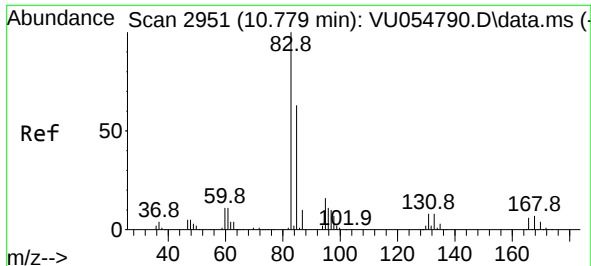
Tgt Ion:106 Resp: 157860
Ion Ratio Lower Upper
106 100
91 218.2 142.0 263.8



#55
Styrene
Concen: 43.911 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.003 min
Lab File: VU054800.D
Acq: 18 Jul 2023 10:50

Tgt Ion:104 Resp: 269042
Ion Ratio Lower Upper
104 100
78 43.5 30.7 57.1

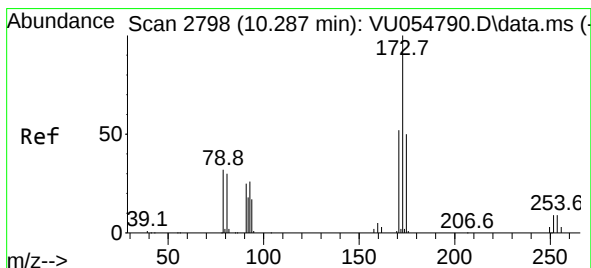
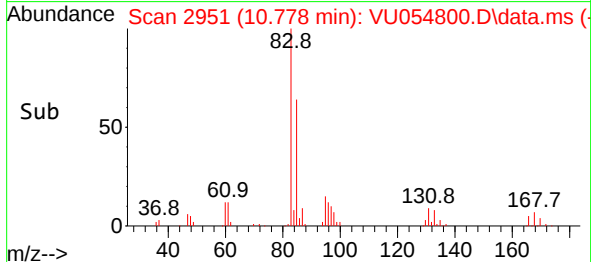
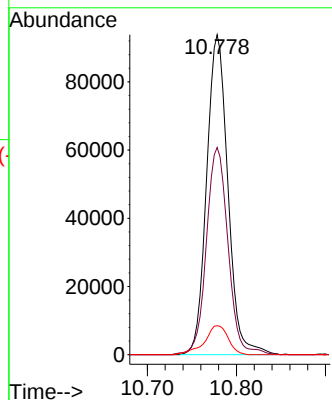
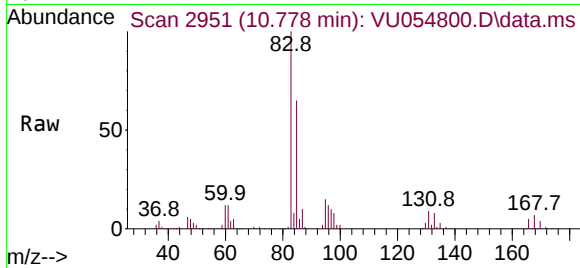




#57
1,1,2,2-Tetrachloroethane
Concen: 39.965 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. -0.000 min
Lab File: VU054800.D
Acq: 18 Jul 2023 10:50

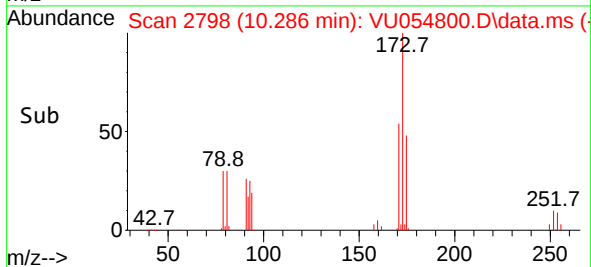
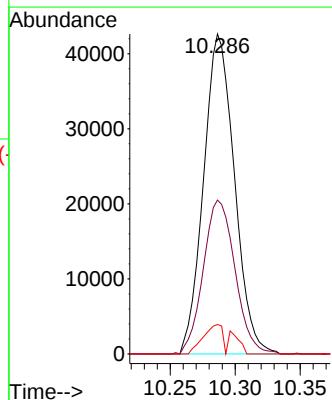
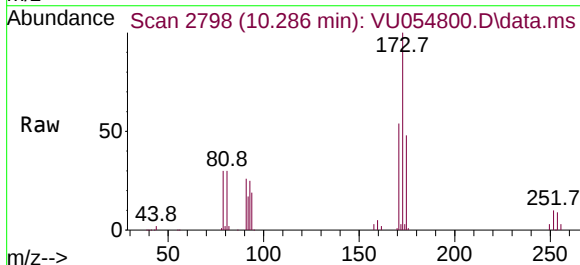
Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

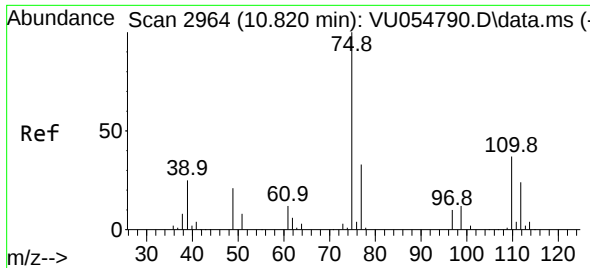
Tgt Ion: 83 Resp: 155541
Ion Ratio Lower Upper
83 100
85 64.8 43.8 81.4
131 9.1 8.7 13.1



#59
Bromoform
Concen: 42.459 ug/L
RT: 10.286 min Scan# 2798
Delta R.T. -0.000 min
Lab File: VU054800.D
Acq: 18 Jul 2023 10:50

Tgt Ion:173 Resp: 70423
Ion Ratio Lower Upper
173 100
175 49.4 38.8 58.2
254 5.7 2.4 3.6#

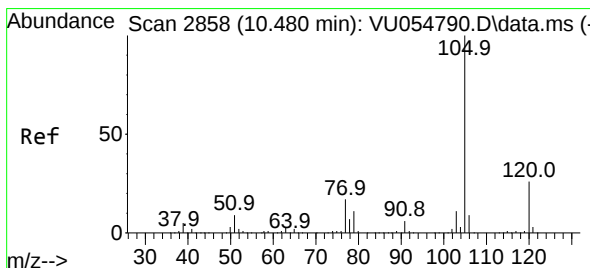
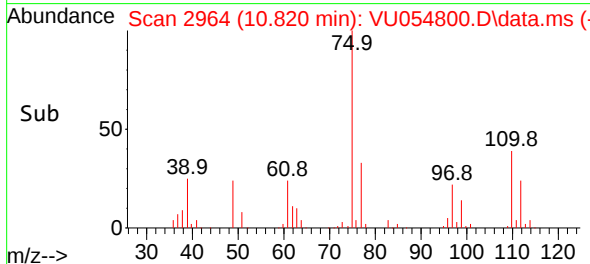
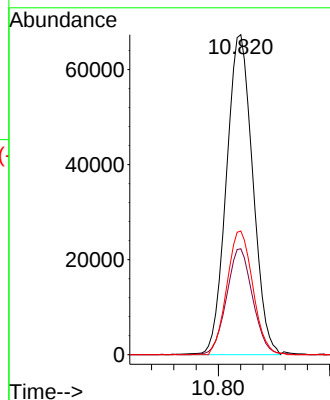
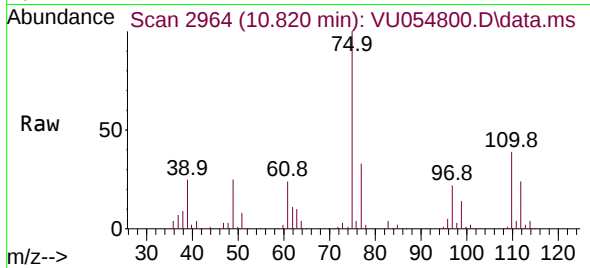




#60
1,2,3-Trichloropropane
Concen: 42.726 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. -0.000 min
Lab File: VU054800.D
Acq: 18 Jul 2023 10:50

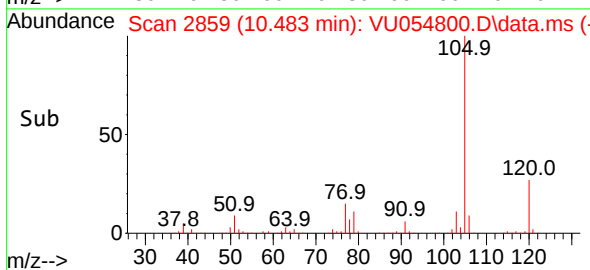
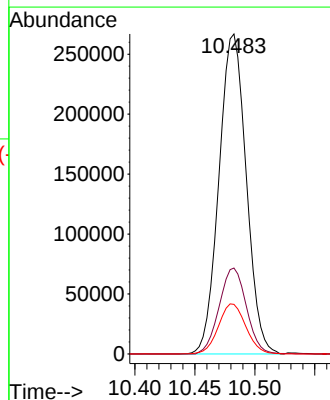
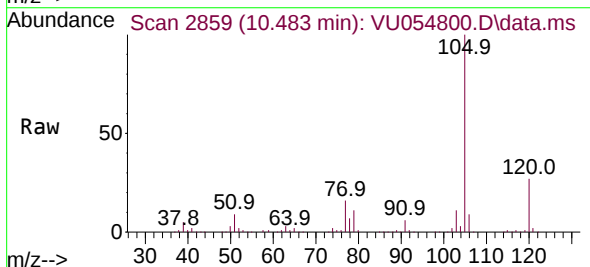
Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

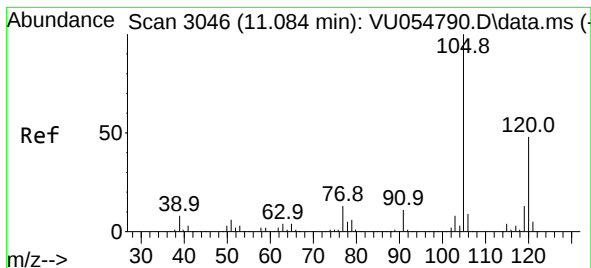
Tgt Ion:	75	Resp:	110548
Ion	Ratio	Lower	Upper
75	100		
77	32.9	26.2	39.4
110	38.0	29.9	44.9



#61
Isopropylbenzene
Concen: 48.151 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. 0.003 min
Lab File: VU054800.D
Acq: 18 Jul 2023 10:50

Tgt Ion:	105	Resp:	421859
Ion	Ratio	Lower	Upper
105	100		
120	26.8	21.4	32.0
77	15.8	12.8	19.2





#62

1,3,5-Trimethylbenzene

Concen: 48.075 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU054800.D

Acq: 18 Jul 2023 10:50

Instrument :

MSVOA_U

ClientSampleId :

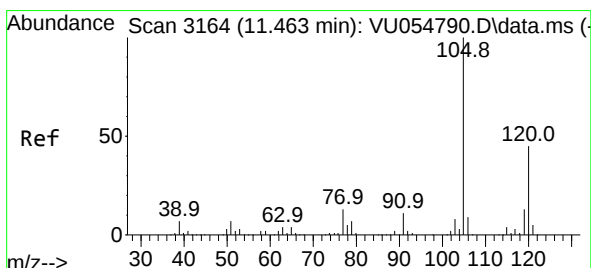
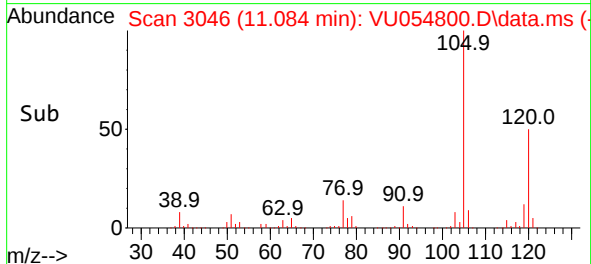
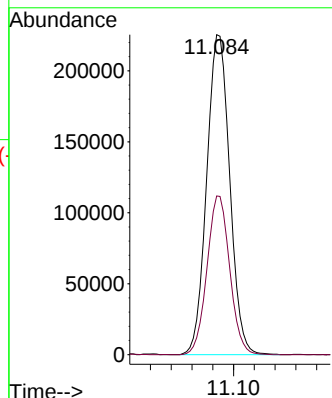
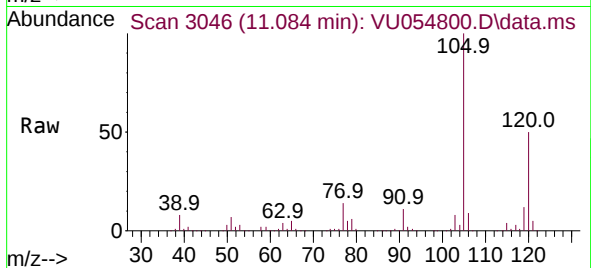
VSTD050104

Tgt Ion:105 Resp: 346876

Ion Ratio Lower Upper

105 100

120 48.9 38.0 57.0



#63

1,2,4-Trimethylbenzene

Concen: 47.816 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU054800.D

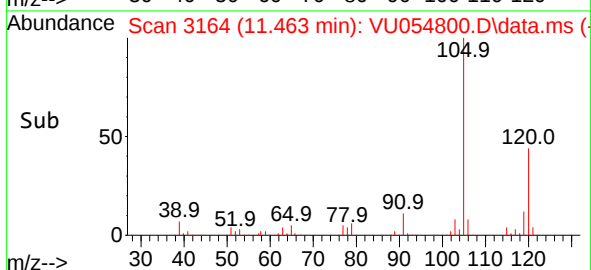
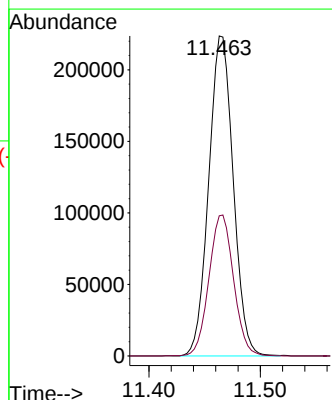
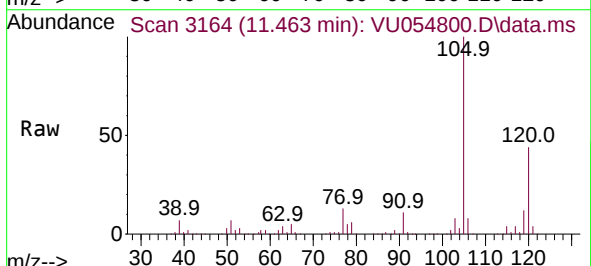
Acq: 18 Jul 2023 10:50

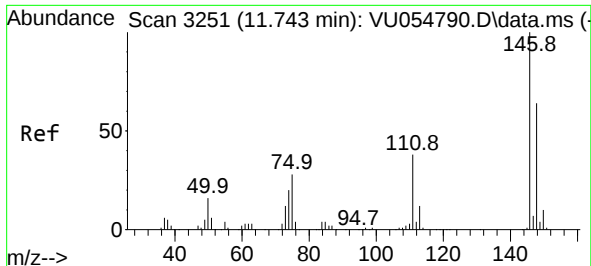
Tgt Ion:105 Resp: 341974

Ion Ratio Lower Upper

105 100

120 44.3 36.2 54.2

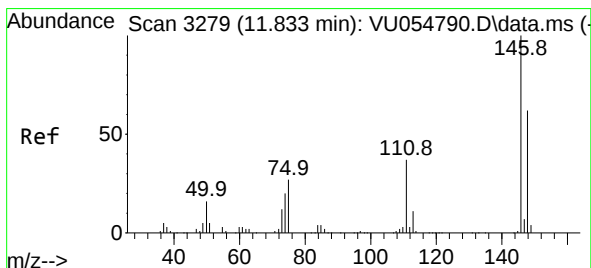
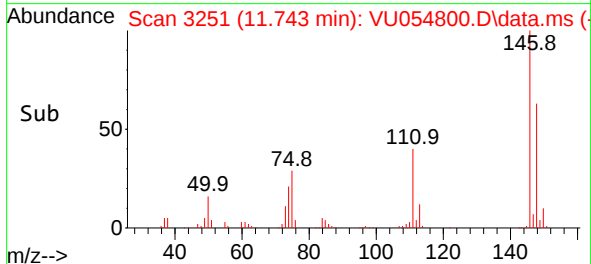
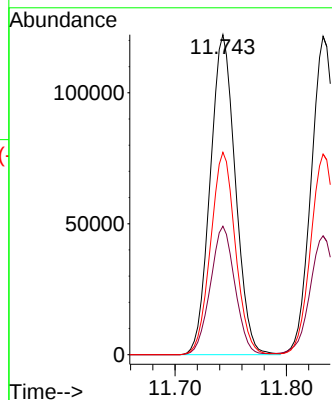
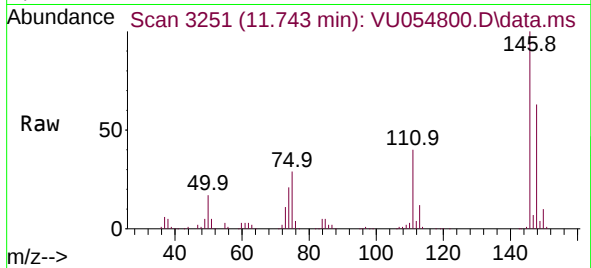




#64
1,3-Dichlorobenzene
Concen: 47.184 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. -0.000 min
Lab File: VU054800.D
Acq: 18 Jul 2023 10:50

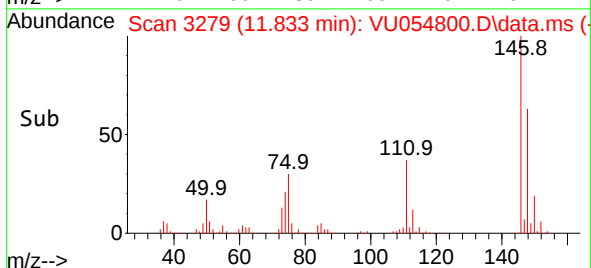
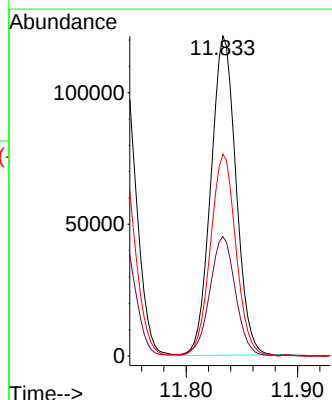
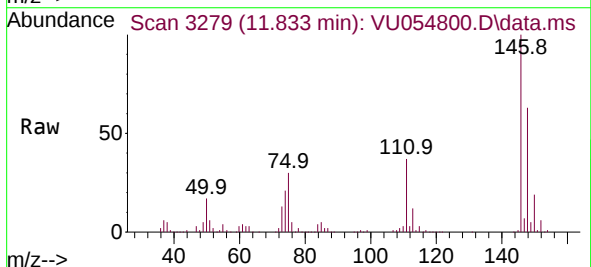
Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

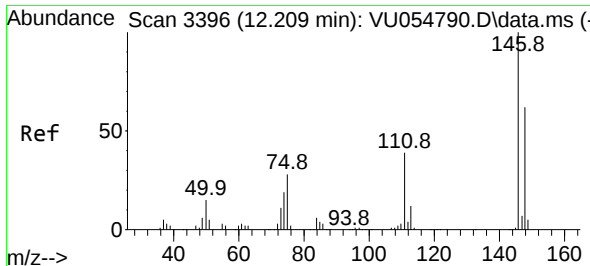
Tgt Ion:146 Resp: 191720
Ion Ratio Lower Upper
146 100
111 37.5 25.2 46.8
148 63.3 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 46.446 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU054800.D
Acq: 18 Jul 2023 10:50

Tgt Ion:146 Resp: 190083
Ion Ratio Lower Upper
146 100
111 34.9 24.1 44.8
148 63.4 41.0 76.2





#67

1,2-Dichlorobenzene

Concen: 45.881 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. -0.000 min

Lab File: VU054800.D

Acq: 18 Jul 2023 10:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD050104

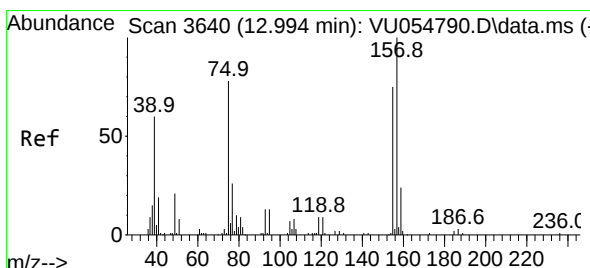
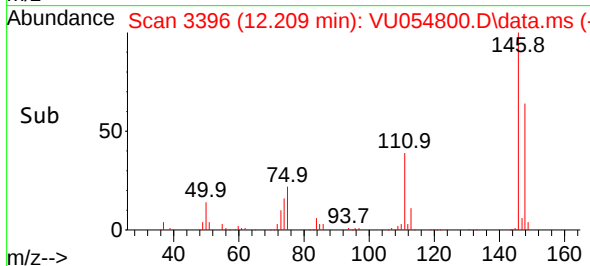
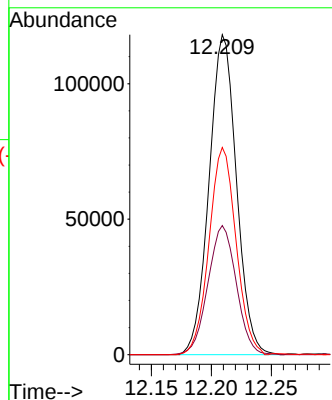
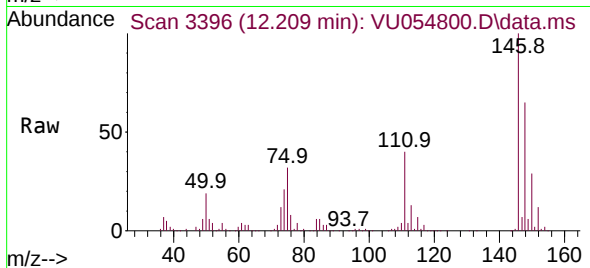
Tgt Ion:146 Resp: 187272

Ion Ratio Lower Upper

146 100

111 40.4 31.5 47.3

148 70.4 53.5 80.3



#68

1,2-Dibromo-3-chloropropane

Concen: 45.074 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. -0.000 min

Lab File: VU054800.D

Acq: 18 Jul 2023 10:50

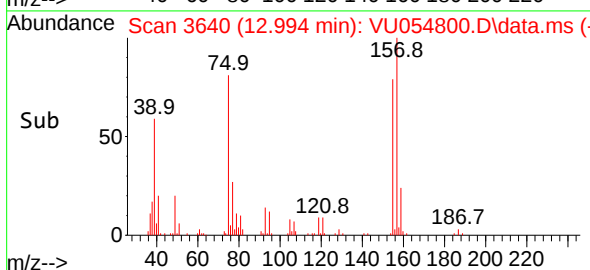
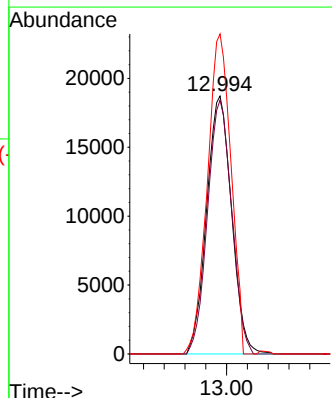
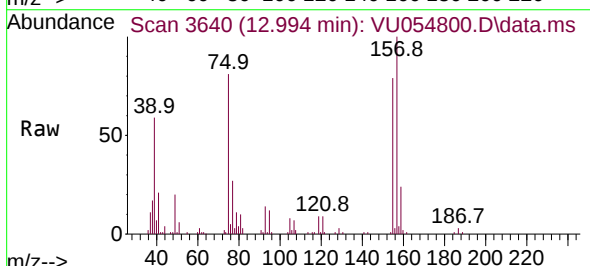
Tgt Ion: 75 Resp: 31170

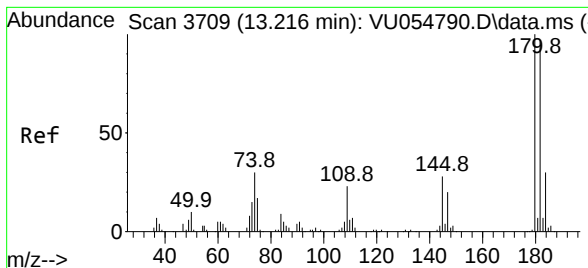
Ion Ratio Lower Upper

75 100

155 102.6 80.6 121.0

157 129.6 106.5 159.7



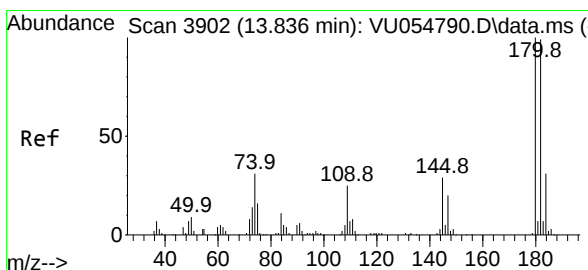
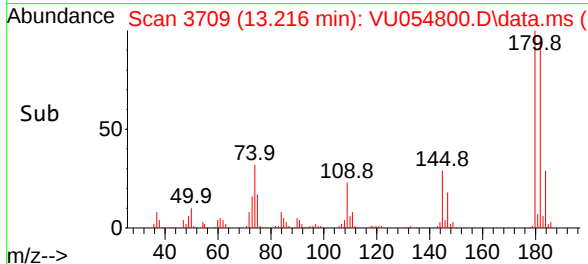
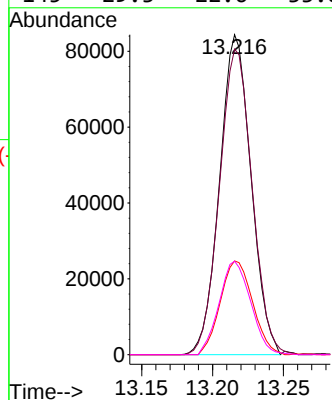
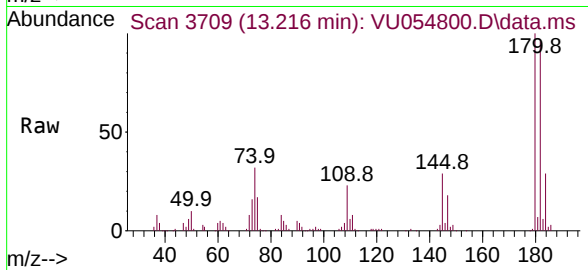


#69
 1,3,5-Trichlorobenzene
 Concen: 47.901 ug/L
 RT: 13.216 min Scan# 3709
 Delta R.T. -0.000 min
 Lab File: VU054800.D
 Acq: 18 Jul 2023 10:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050104

Tgt Ion:180 Resp: 130471

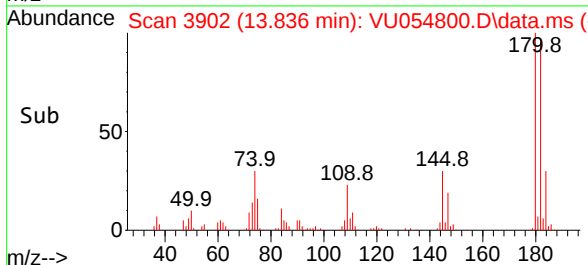
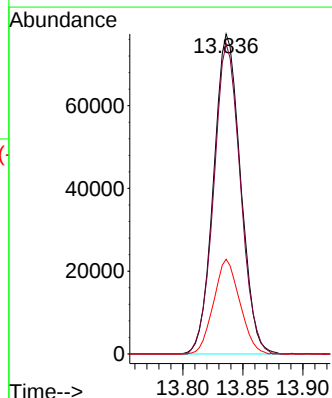
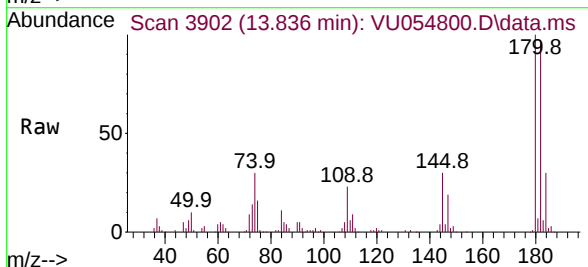
Ion	Ratio	Lower	Upper
180	100		
182	98.6	76.7	115.1
184	30.1	23.4	35.0
145	29.3	22.6	33.8

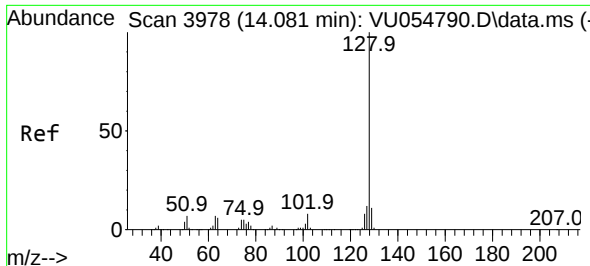


#70
 1,2,4-trichlorobenzene
 Concen: 51.314 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. -0.000 min
 Lab File: VU054800.D
 Acq: 18 Jul 2023 10:50

Tgt Ion:180 Resp: 120662

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.8	115.2
145	28.7	23.0	34.6

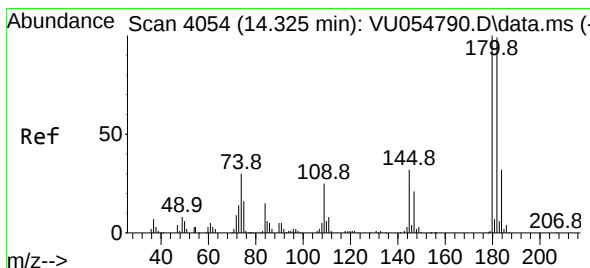
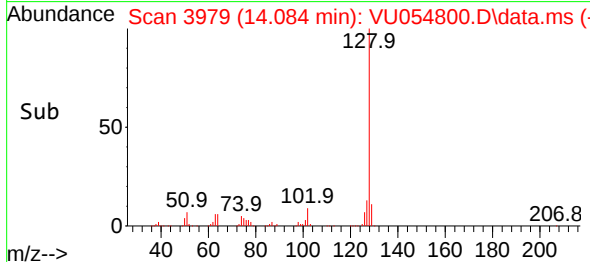
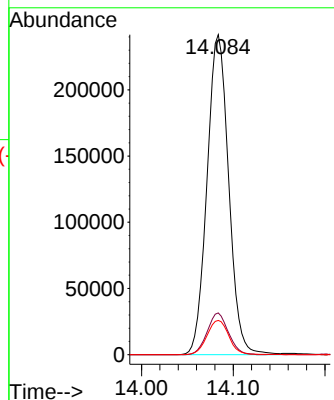
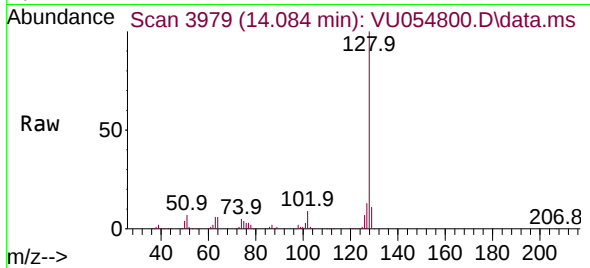




#71
Naphthalene
Concen: 51.411 ug/L
RT: 14.084 min Scan# 3978
Delta R.T. 0.003 min
Lab File: VU054800.D
Acq: 18 Jul 2023 10:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD050104

Tgt Ion:128 Resp: 396785
Ion Ratio Lower Upper
128 100
127 12.8 10.0 15.0
129 10.8 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 50.277 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.000 min
Lab File: VU054800.D
Acq: 18 Jul 2023 10:50

Tgt Ion:180 Resp: 115126
Ion Ratio Lower Upper
180 100
182 96.1 76.6 115.0
145 32.7 25.4 38.2

