

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071723\
 Data File : VU054791.D
 Acq On : 17 Jul 2023 11:05
 Operator : MD/SY
 Sample : VSTD10032
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100032

Quant Time: Jul 18 05:34:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 18 05:32:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	240891	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	247094	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	148827	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	186670	100.261	ug/L	0.00
7) Chloroethane-d5	1.872	69	204826	109.975	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.554	63	282277	105.693	ug/L	0.00
21) 2-Butanone-d5	4.615	46	248027	207.252	ug/L	0.00
24) Chloroform-d	5.055	84	302635	104.421	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.695	65	181745	104.721	ug/L	0.00
32) Benzene-d6	5.721	84	596568	101.356	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	197544	99.674	ug/L	0.00
41) Toluene-d8	7.894	98	581958	103.760	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	103240	101.830	ug/L	0.00
47) 2-Hexanone-d5	8.631	63	195881	209.086	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	377744	103.768	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	270109	105.618	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	196916	108.164	ug/L	100
3) Chloromethane	1.518	50	206796	99.604	ug/L	99
5) Vinyl chloride	1.602	62	279338	103.481	ug/L	100
6) Bromomethane	1.824	94	157237	95.701	ug/L	100
8) Chloroethane	1.898	64	194874	104.355	ug/L	100
9) Trichlorofluoromethane	2.116	101	464195	107.437	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	175327	110.001	ug/L	99
12) 1,1-Dichloroethene	2.566	96	160583	107.137	ug/L	93
13) Acetone	2.621	43	214699	213.297	ug/L	97
14) Carbon disulfide	2.779	76	478892	109.419	ug/L	100
15) Methyl Acetate	2.939	43	175828	104.726	ug/L	99
16) Methylene chloride	3.036	84	187598	103.679	ug/L	95
17) trans-1,2-Dichloroethene	3.341	96	165082	106.407	ug/L	99
18) Methyl tert-butyl Ether	3.357	73	569079	105.992	ug/L	100
19) 1,1-Dichloroethane	3.859	63	314233	106.149	ug/L	98
20) cis-1,2-Dichloroethene	4.656	96	194154	105.292	ug/L	99
22) 2-Butanone	4.695	43	294148	213.986	ug/L	99
23) Bromochloromethane	4.968	128	99425	105.986	ug/L	92
25) Chloroform	5.081	83	329082	106.010	ug/L	98
27) 1,2-Dichloroethane	5.788	62	251190	106.552	ug/L	99
29) Cyclohexane	5.380	56	277142	102.002	ug/L	99
30) 1,1,1-Trichloroethane	5.309	97	285649	104.167	ug/L	99
31) Carbon tetrachloride	5.518	117	247615	104.562	ug/L	98
33) Benzene	5.766	78	736885	104.085	ug/L	100
34) Trichloroethene	6.537	95	189883	105.368	ug/L	97
35) Methylcyclohexane	6.756	83	315554	107.145	ug/L	98
37) 1,2-Dichloropropane	6.785	63	199715	102.573	ug/L	100
38) Bromodichloromethane	7.100	83	254056	101.703	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	339914	105.850	ug/L	97
40) 4-Methyl-2-pentanone	7.788	43	616587	206.814	ug/L	99
42) Toluene	7.965	91	830012	104.772	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	320110	106.099	ug/L	100

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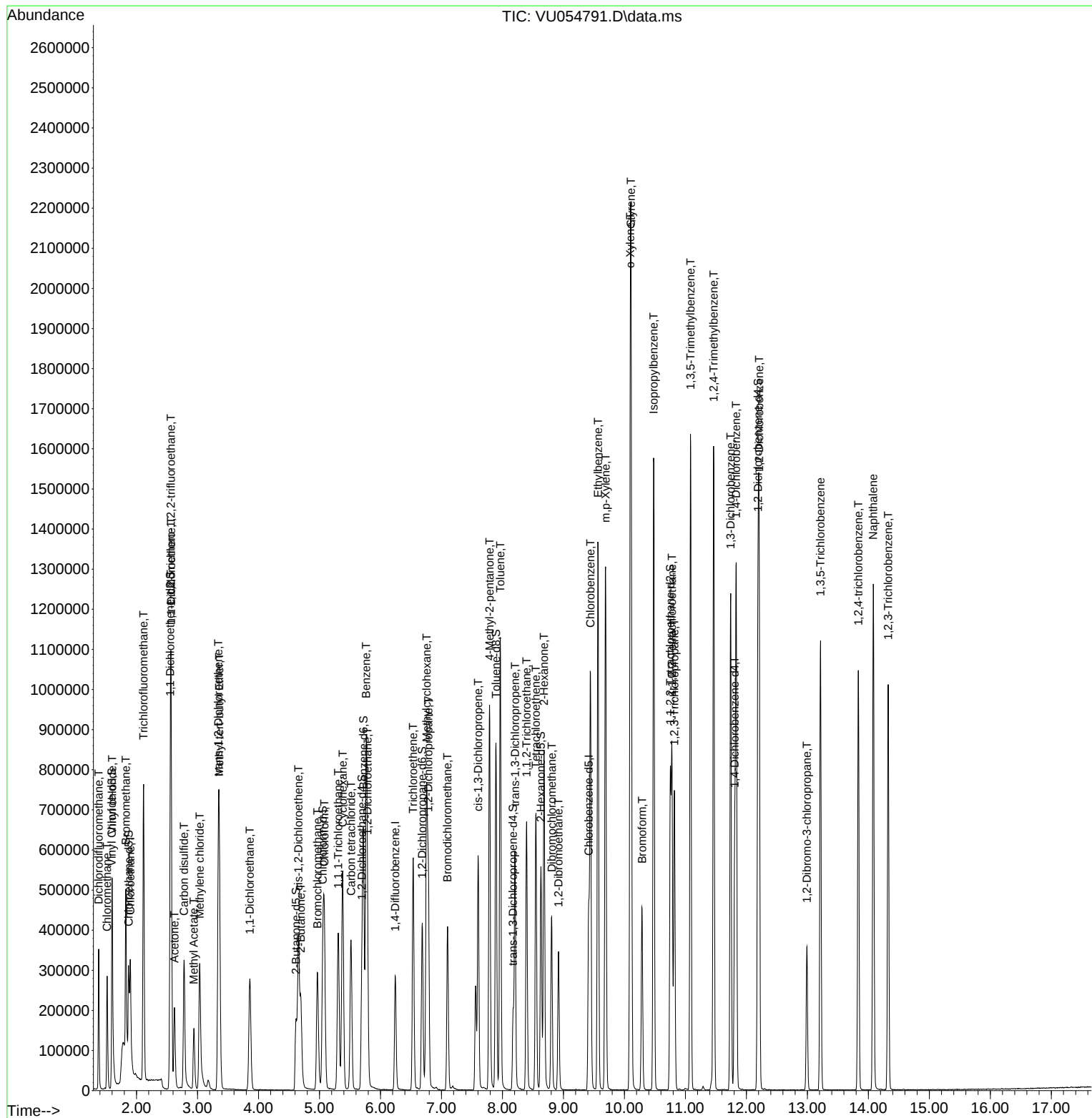
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.396	97	202598	102.059	ug/L	98
46) Tetrachloroethene	8.550	164	148181	107.254	ug/L	97
48) 2-Hexanone	8.682	43	515468	213.927	ug/L	99
49) Dibromochloromethane	8.807	129	217049	106.152	ug/L	99
50) 1,2-Dibromoethane	8.920	107	219998	102.961	ug/L	94
51) Chlorobenzene	9.444	112	541697	105.106	ug/L	97
52) Ethylbenzene	9.566	91	975076	106.460	ug/L	95
53) m,p-Xylene	9.692	106	370915	106.366	ug/L	100
54) o-Xylene	10.097	106	375643	106.038	ug/L	90
55) Styrene	10.110	104	673944	109.232	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	409439	104.470	ug/L	97
59) Bromoform	10.290	173	194115	104.275	ug/L #	98
60) 1,2,3-Trichloropropane	10.820	75	291740	100.462	ug/L	99
61) Isopropylbenzene	10.479	105	1023906	104.126	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	867623	107.137	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	867395	108.059	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	483836	106.093	ug/L	92
65) 1,4-Dichlorobenzene	11.833	146	492686	107.259	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	483630	105.568	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	78261	100.832	ug/L	90
69) 1,3,5-Trichlorobenzene	13.216	180	335197	109.647	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	305869	115.894	ug/L	99
71) Naphthalene	14.080	128	982575	113.430	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	294035	114.408	ug/L	99

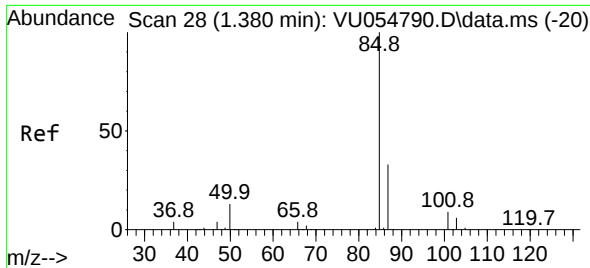
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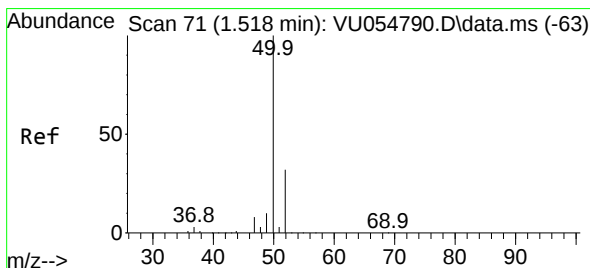
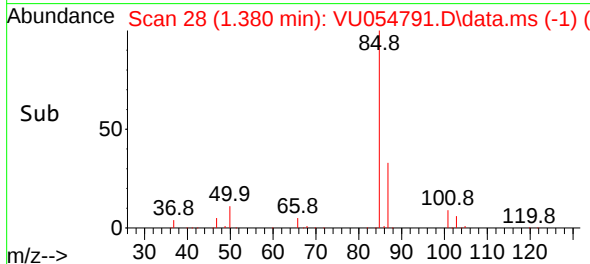
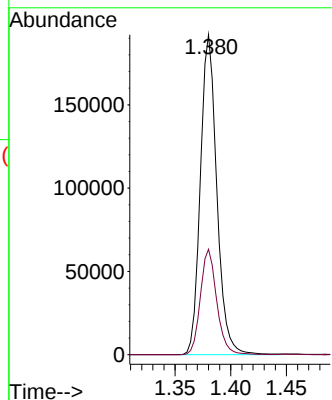
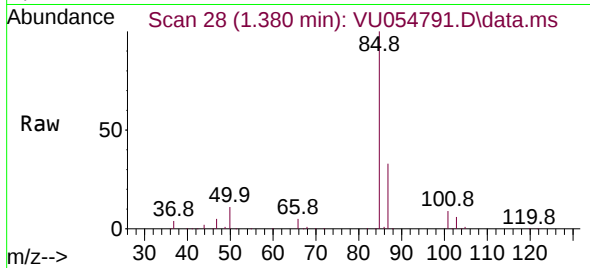




#2
 Dichlorodifluoromethane
 Concen: 108.164 ug/L
 RT: 1.380 min Scan# 28
 Delta R.T. -0.000 min
 Lab File: VU054791.D
 Acq: 17 Jul 2023 11:05

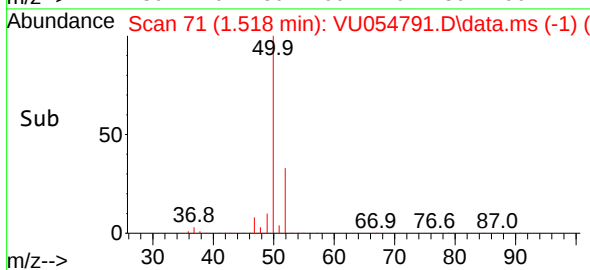
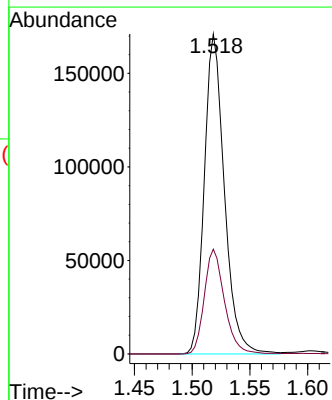
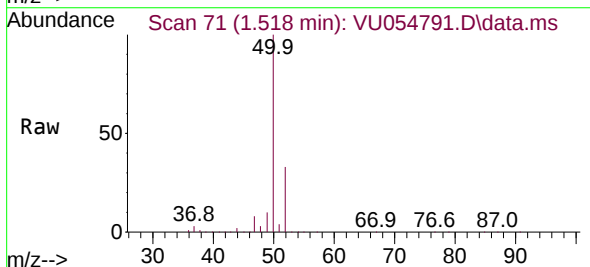
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100032

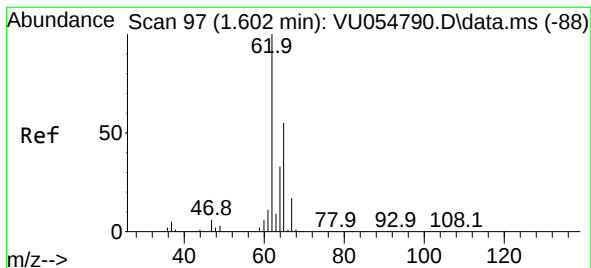
Tgt Ion: 85 Resp: 196916
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.2 39.2



#3
 Chloromethane
 Concen: 99.604 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU054791.D
 Acq: 17 Jul 2023 11:05

Tgt Ion: 50 Resp: 206796
 Ion Ratio Lower Upper
 50 100
 52 32.8 22.5 41.9





#5

Vinyl chloride

Concen: 103.481 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU054791.D

Acq: 17 Jul 2023 11:05

Instrument :

MSVOA_U

ClientSampleId :

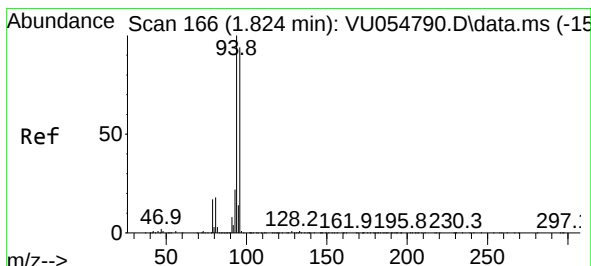
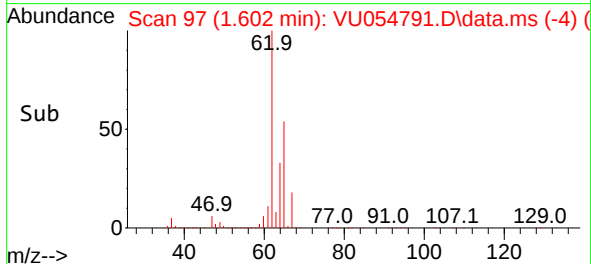
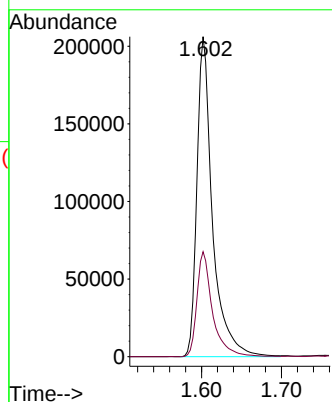
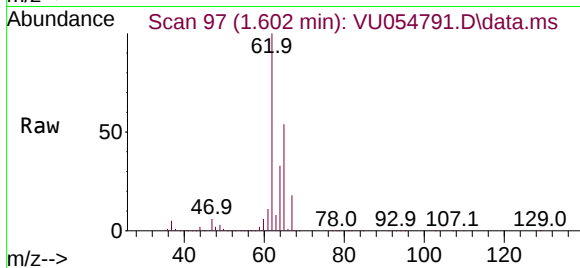
VSTD100032

Tgt Ion: 62 Resp: 279338

Ion Ratio Lower Upper

62 100

64 32.8 22.9 42.5



#6

Bromomethane

Concen: 95.701 ug/L

RT: 1.824 min Scan# 166

Delta R.T. -0.000 min

Lab File: VU054791.D

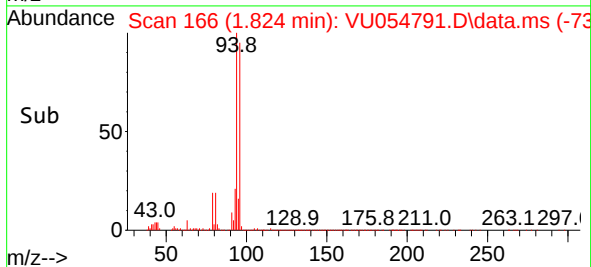
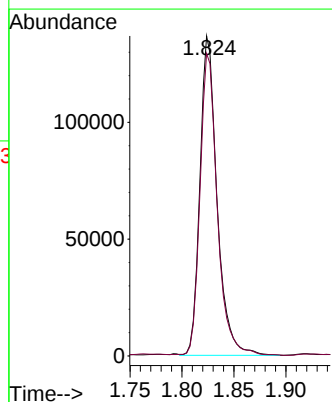
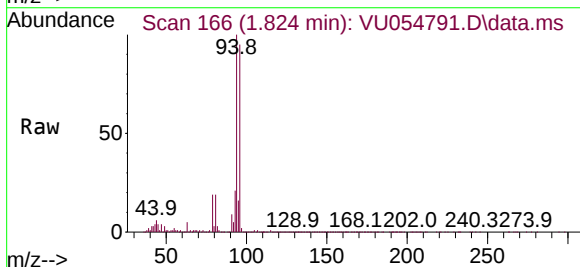
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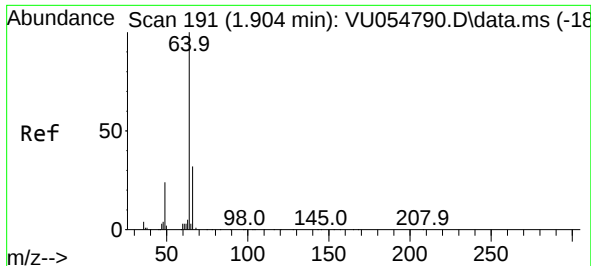
Tgt Ion: 94 Resp: 157237

Ion Ratio Lower Upper

94 100

96 94.6 66.1 122.8





#8

Chloroethane

Concen: 104.355 ug/L

RT: 1.898 min Scan# 11

Delta R.T. -0.007 min

Lab File: VU054791.D

Acq: 17 Jul 2023 11:05

Instrument :

MSVOA_U

ClientSampleId :

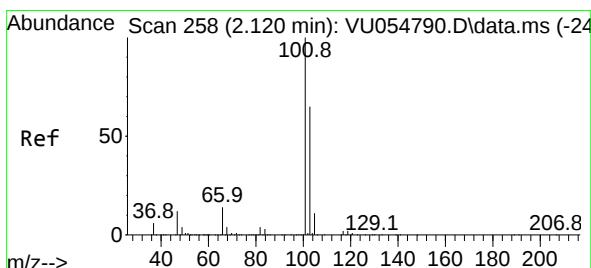
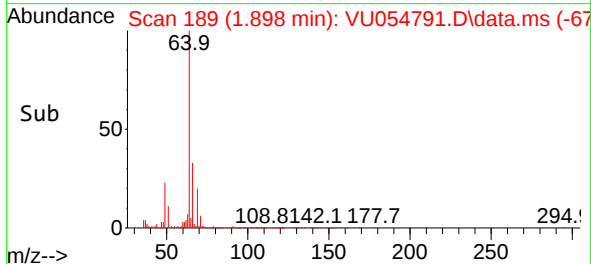
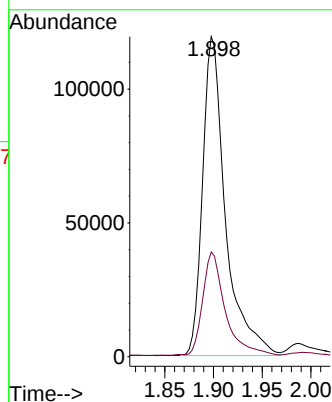
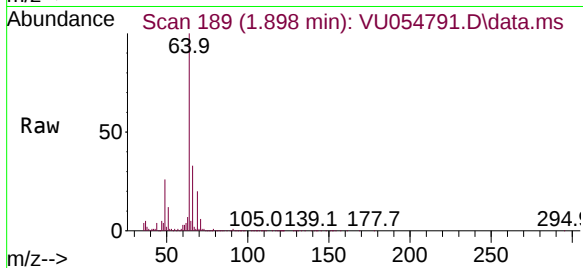
VSTD100032

Tgt Ion: 64 Resp: 194874

Ion Ratio Lower Upper

64 100

66 32.7 22.8 42.4



#9

Trichlorofluoromethane

Concen: 107.437 ug/L

RT: 2.116 min Scan# 257

Delta R.T. -0.003 min

Lab File: VU054791.D

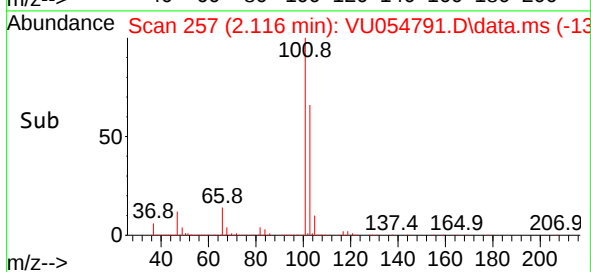
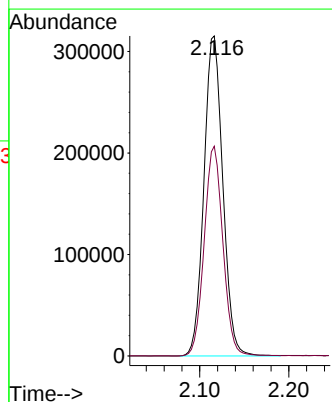
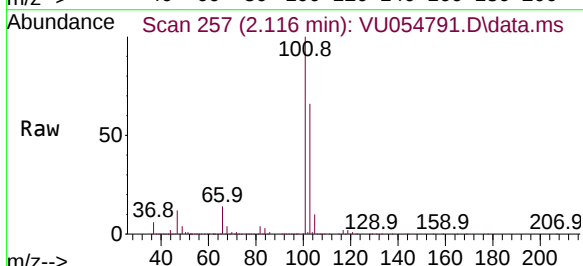
Acq: 17 Jul 2023 11:05

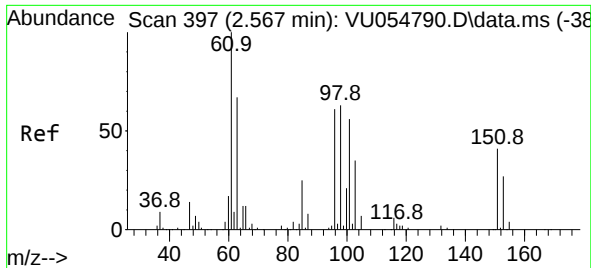
Tgt Ion:101 Resp: 464195

Ion Ratio Lower Upper

101 100

103 65.0 52.2 78.2

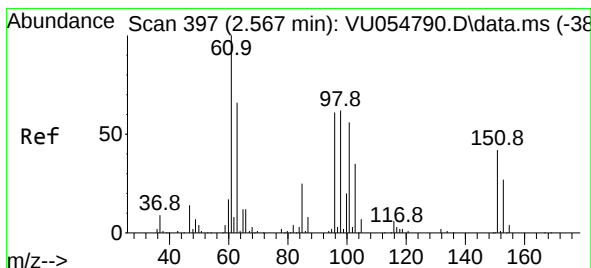
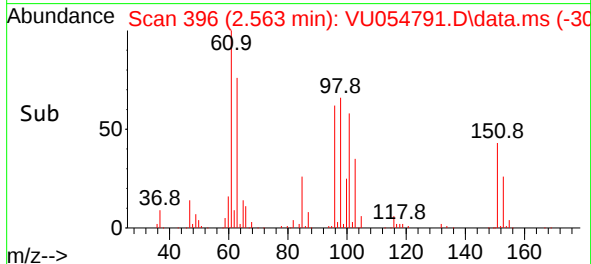
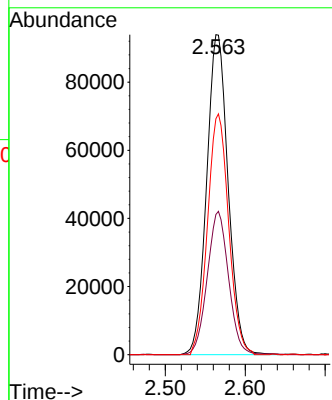
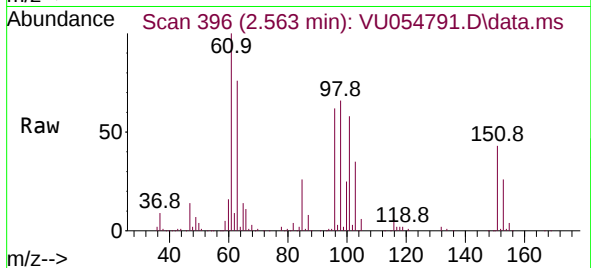




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 110.001 ug/L
RT: 2.563 min Scan# 396
Delta R.T. -0.003 min
Lab File: VU054791.D
Acq: 17 Jul 2023 11:05

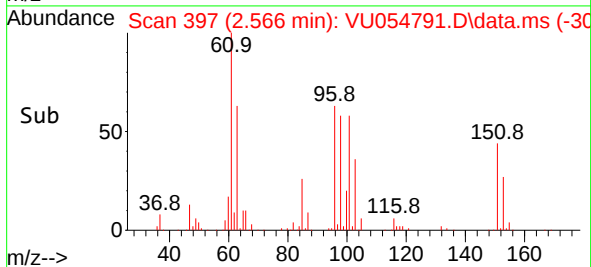
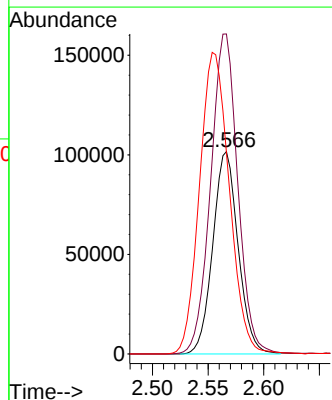
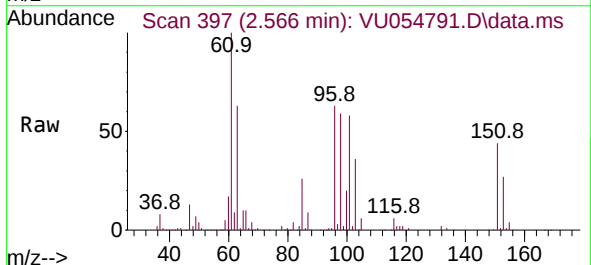
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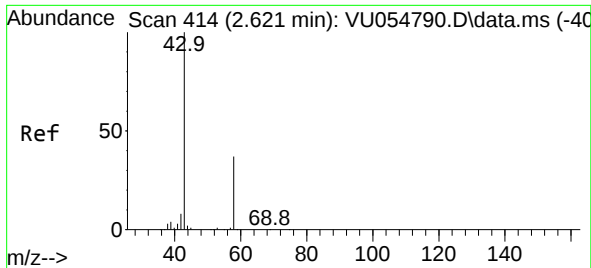
Tgt Ion:101 Resp: 175327
Ion Ratio Lower Upper
101 100
85 44.3 35.3 52.9
151 74.0 58.2 87.4



#12
1,1-Dichloroethene
Concen: 107.137 ug/L
RT: 2.566 min Scan# 397
Delta R.T. -0.000 min
Lab File: VU054791.D
Acq: 17 Jul 2023 11:05

Tgt Ion: 96 Resp: 160583
Ion Ratio Lower Upper
96 100
61 158.1 115.0 213.6
63 99.3 77.6 144.0





#13

Acetone

Concen: 213.297 ug/L

RT: 2.621 min Scan# 414

Delta R.T. -0.000 min

Lab File: VU054791.D

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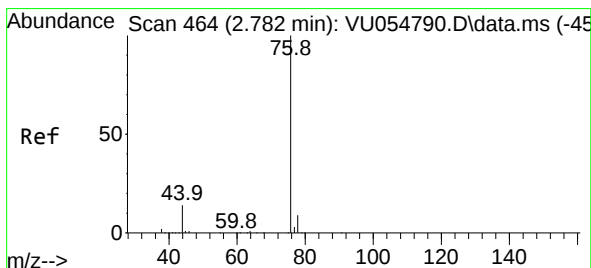
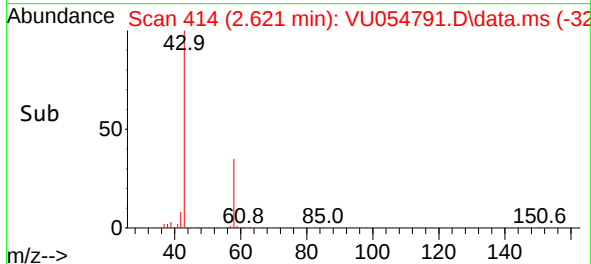
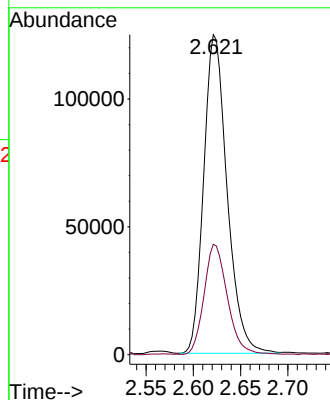
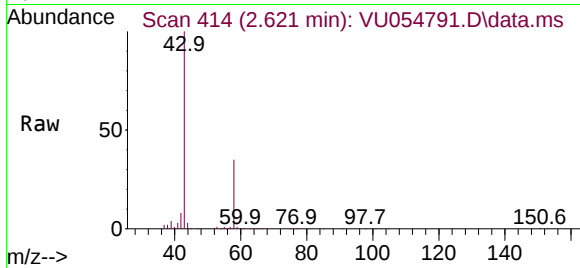
VSTD100032

Tgt Ion: 43 Resp: 214699

Ion Ratio Lower Upper

43 100

58 34.4 0.0 72.4



#14

Carbon disulfide

Concen: 109.419 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.003 min

Lab File: VU054791.D

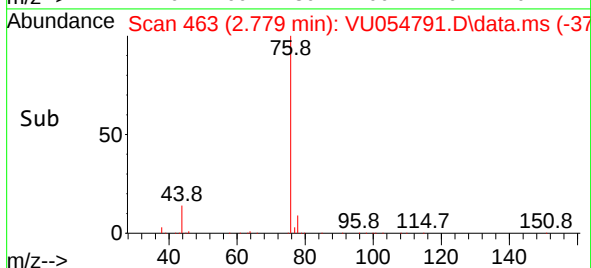
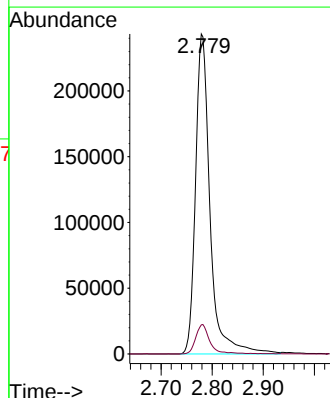
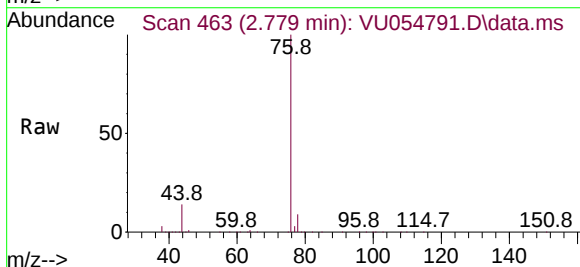
Acq: 17 Jul 2023 11:05

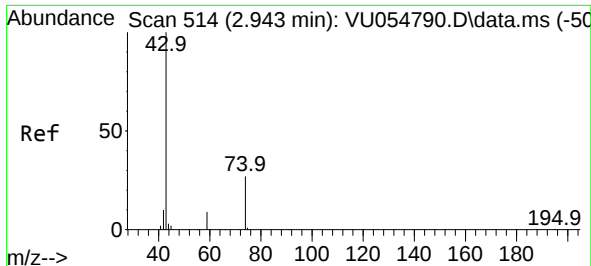
Tgt Ion: 76 Resp: 478892

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

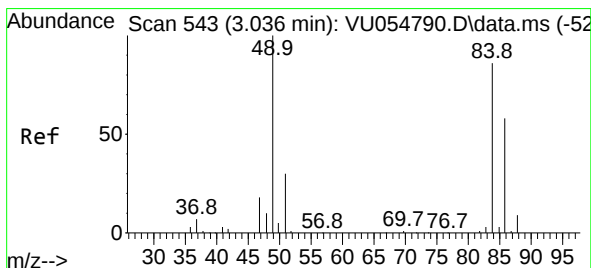
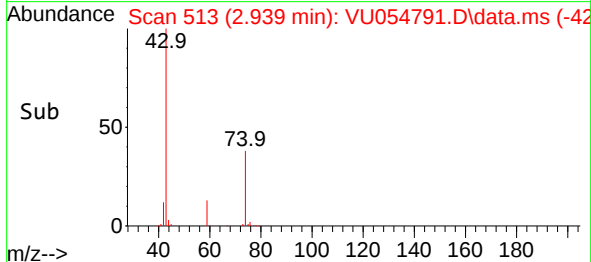
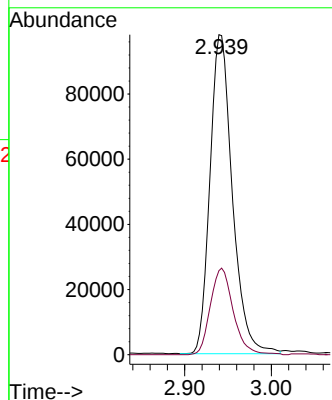
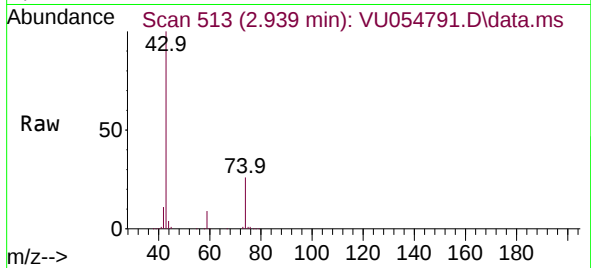




#15
Methyl Acetate
Concen: 104.726 ug/L
RT: 2.939 min Scan# 514
Delta R.T. -0.003 min
Lab File: VU054791.D
Acq: 17 Jul 2023 11:05

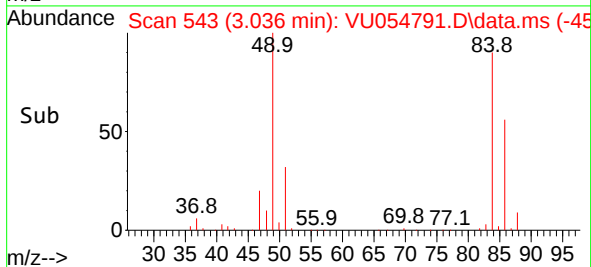
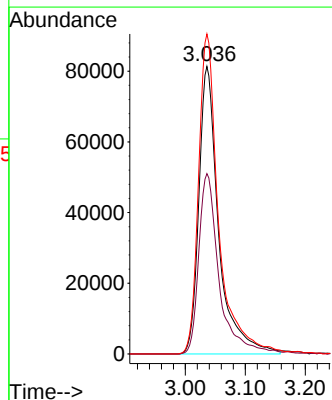
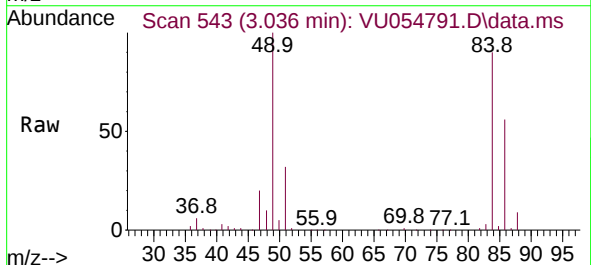
Instrument :
MSVOA_U
ClientSampleId :
VSTD100032

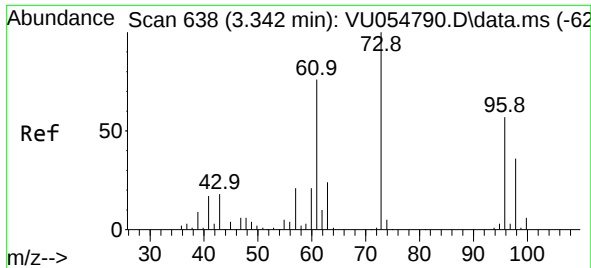
Tgt Ion: 43 Resp: 175828
Ion Ratio Lower Upper
43 100
74 27.7 21.8 32.8



#16
Methylene chloride
Concen: 103.679 ug/L
RT: 3.036 min Scan# 543
Delta R.T. -0.000 min
Lab File: VU054791.D
Acq: 17 Jul 2023 11:05

Tgt Ion: 84 Resp: 187598
Ion Ratio Lower Upper
84 100
86 62.7 46.8 87.0
49 111.3 81.3 151.1

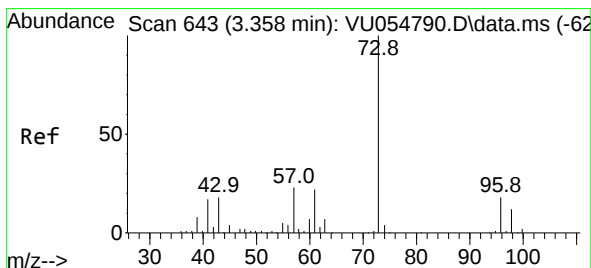
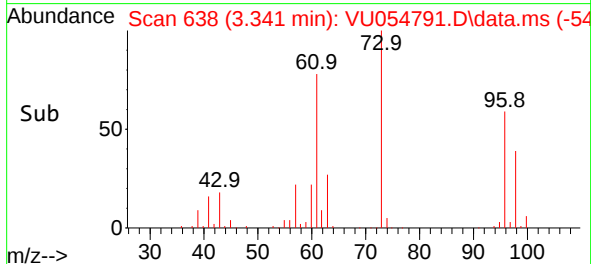
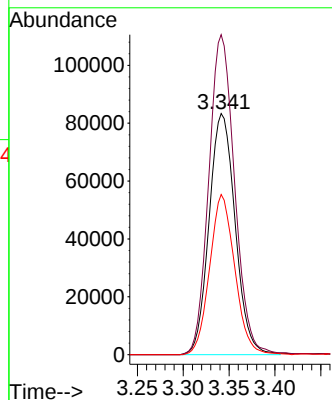
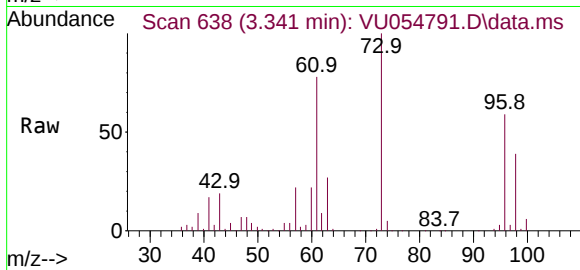




#17
trans-1,2-Dichloroethene
Concen: 106.407 ug/L
RT: 3.341 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU054791.D
Acq: 17 Jul 2023 11:05

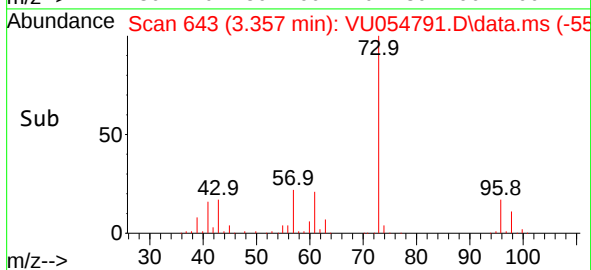
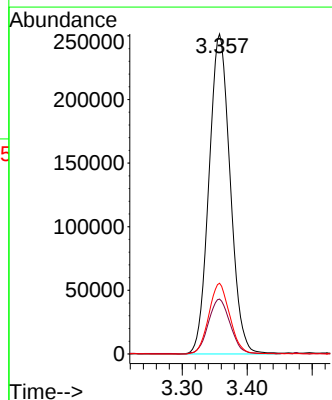
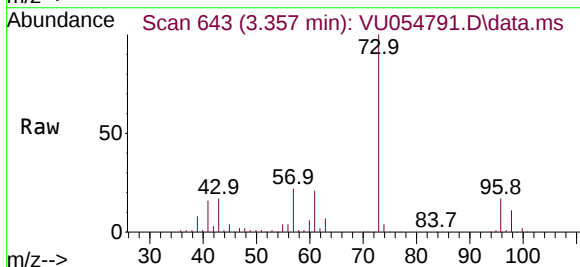
Instrument :
MSVOA_U
ClientSampleId :
VSTD100032

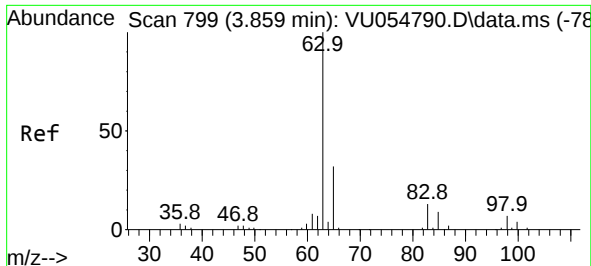
Tgt Ion: 96 Resp: 165082
Ion Ratio Lower Upper
96 100
61 132.7 93.2 173.2
98 66.4 44.7 82.9



#18
Methyl tert-butyl Ether
Concen: 105.992 ug/L
RT: 3.357 min Scan# 643
Delta R.T. -0.000 min
Lab File: VU054791.D
Acq: 17 Jul 2023 11:05

Tgt Ion: 73 Resp: 569079
Ion Ratio Lower Upper
73 100
43 17.8 14.3 21.5
57 21.9 17.4 26.0





#19

1,1-Dichloroethane

Concen: 106.149 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.000 min

Lab File: VU054791.D

Acq: 17 Jul 2023 11:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD100032

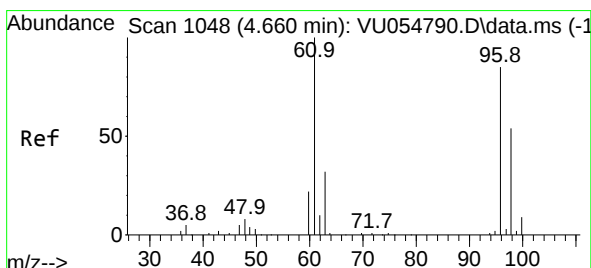
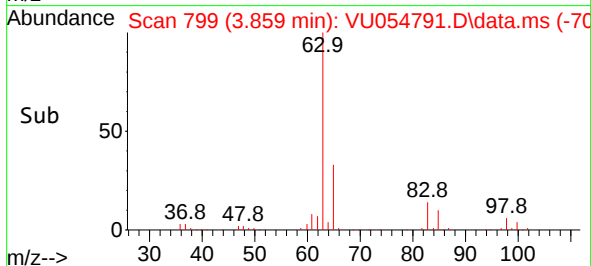
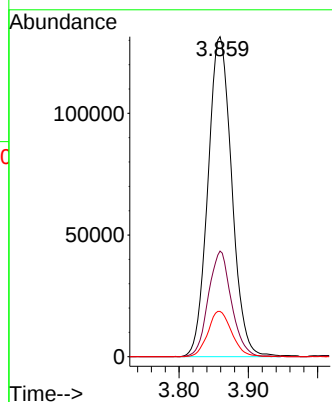
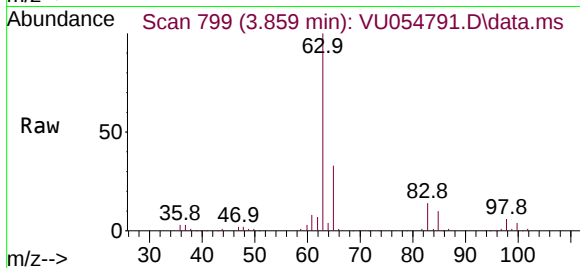
Tgt Ion: 63 Resp: 314233

Ion Ratio Lower Upper

63 100

65 33.0 22.1 41.1

83 14.2 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 105.292 ug/L

RT: 4.656 min Scan# 1047

Delta R.T. -0.003 min

Lab File: VU054791.D

Acq: 17 Jul 2023 11:05

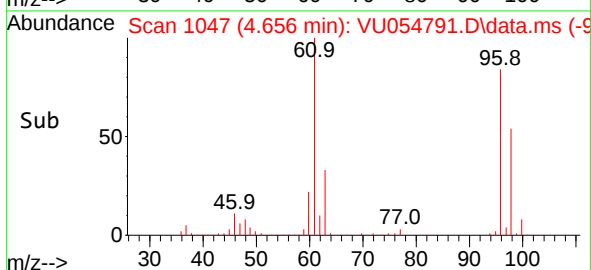
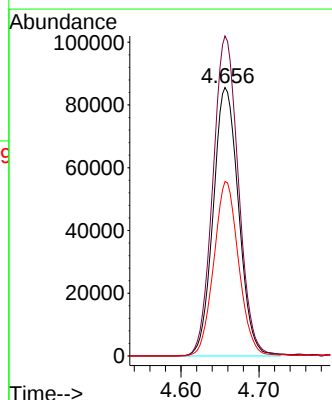
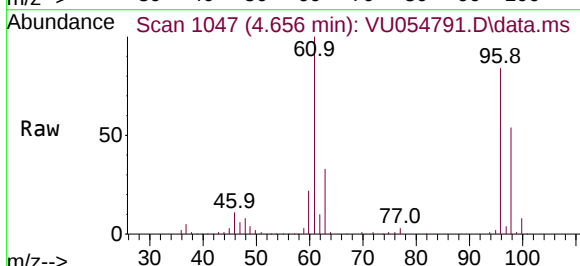
Tgt Ion: 96 Resp: 194154

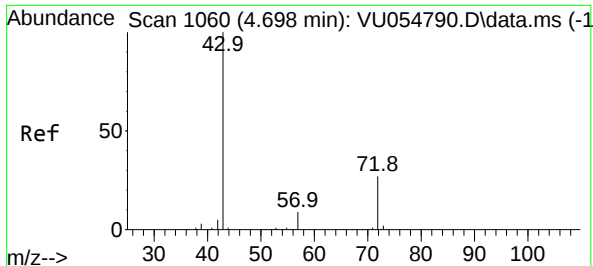
Ion Ratio Lower Upper

96 100

61 119.2 82.7 153.7

98 64.9 44.4 82.5





#22

2-Butanone

Concen: 213.986 ug/L

RT: 4.695 min Scan# 1059

Delta R.T. -0.003 min

Lab File: VU054791.D

Acq: 17 Jul 2023 11:05

Instrument :

MSVOA_U

ClientSampleId :

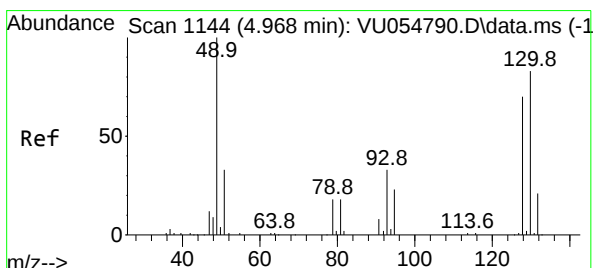
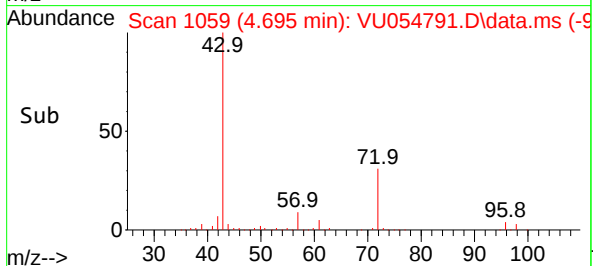
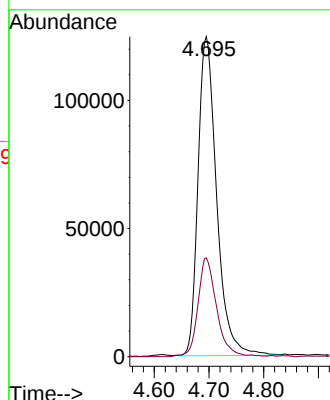
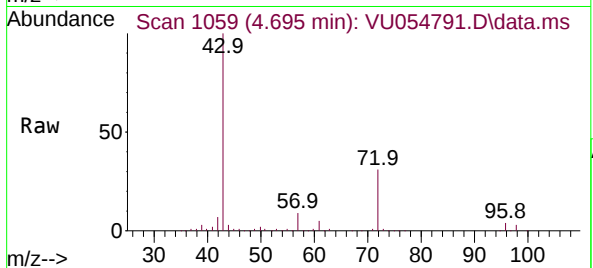
VSTD100032

Tgt Ion: 43 Resp: 294148

Ion Ratio Lower Upper

43 100

72 30.8 15.2 45.6



#23

Bromochloromethane

Concen: 105.986 ug/L

RT: 4.968 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VU054791.D

Acq: 17 Jul 2023 11:05

Tgt Ion: 128 Resp: 99425

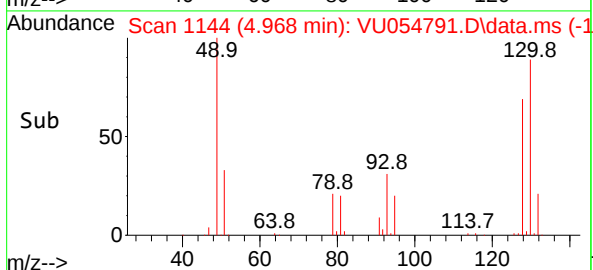
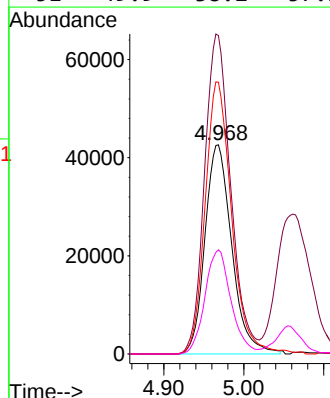
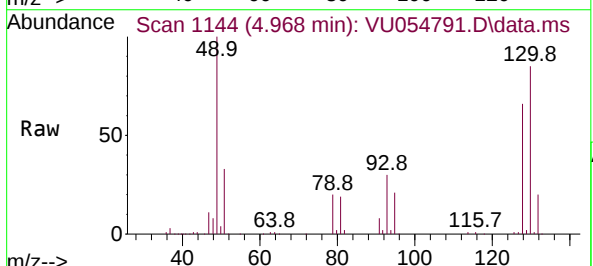
Ion Ratio Lower Upper

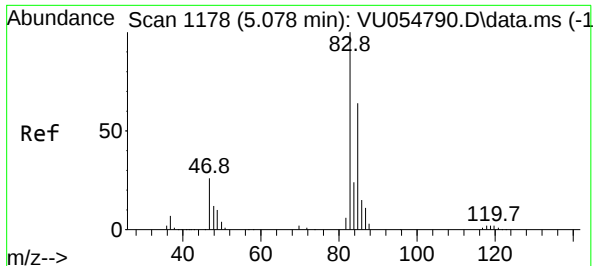
128 100

49 152.3 100.6 186.8

130 129.9 83.0 154.1

51 49.9 38.2 57.2





#25

Chloroform

Concen: 106.010 ug/L

RT: 5.081 min Scan# 1178

Delta R.T. 0.003 min

Lab File: VU054791.D

Acq: 17 Jul 2023 11:05

Instrument :

MSVOA_U

ClientSampleId :

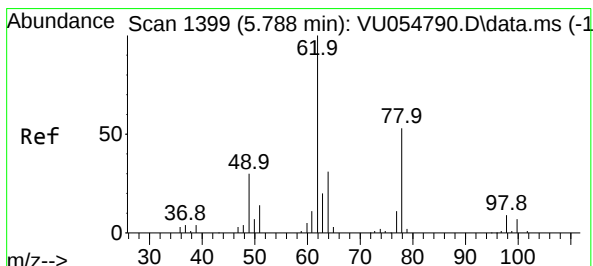
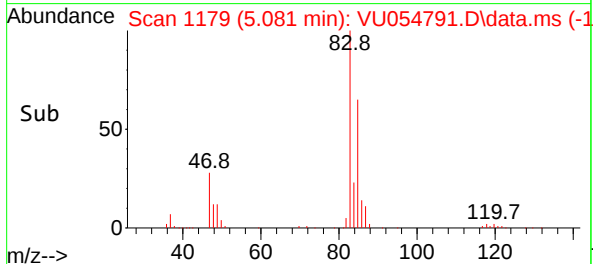
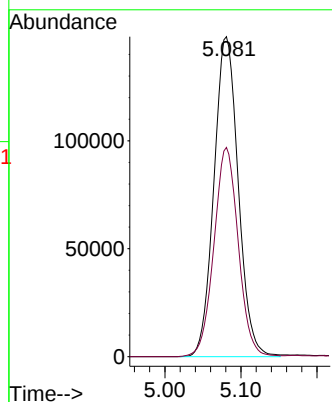
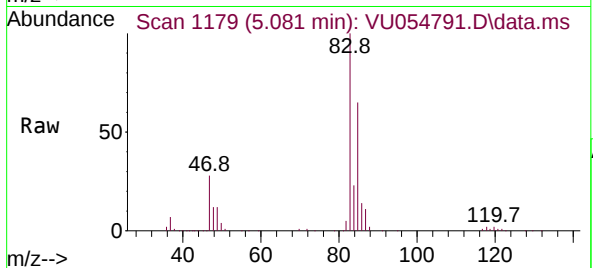
VSTD100032

Tgt Ion: 83 Resp: 329082

Ion Ratio Lower Upper

83 100

85 65.4 44.7 82.9



#27

1,2-Dichloroethane

Concen: 106.552 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU054791.D

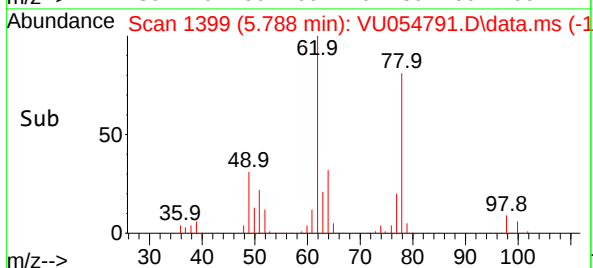
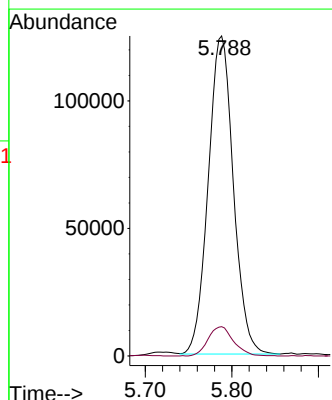
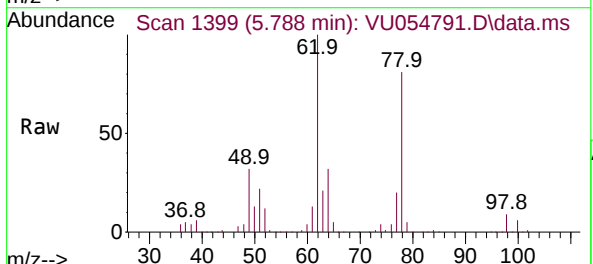
Acq: 17 Jul 2023 11:05

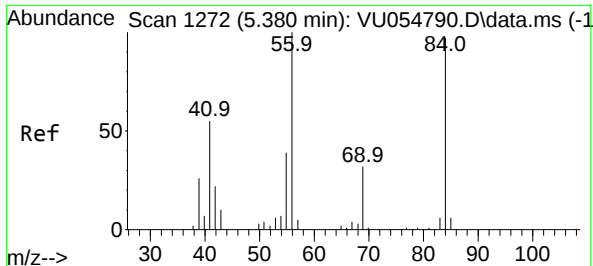
Tgt Ion: 62 Resp: 251190

Ion Ratio Lower Upper

62 100

98 9.2 7.5 11.3





#29

Cyclohexane

Concen: 102.002 ug/L

RT: 5.380 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU054791.D

Acq: 17 Jul 2023 11:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD100032

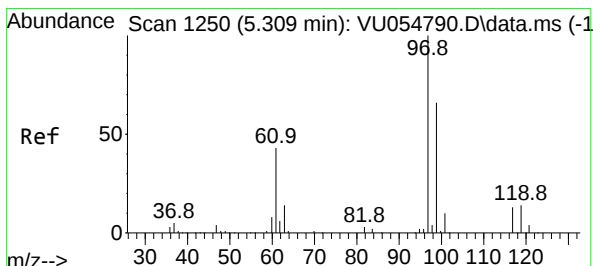
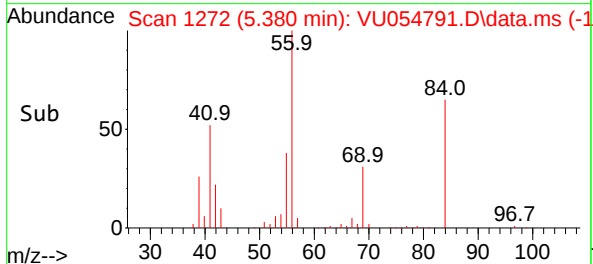
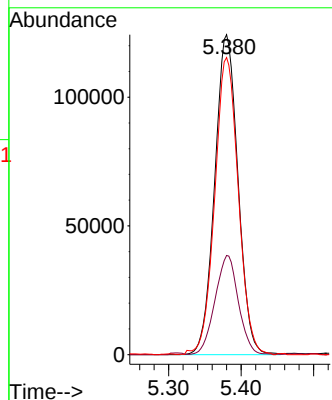
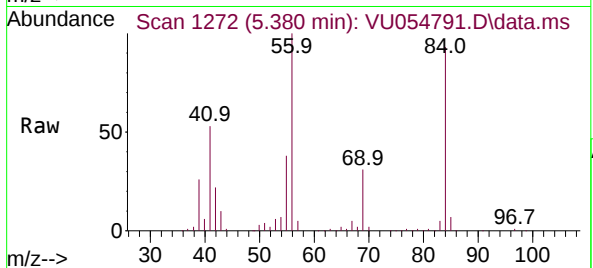
Tgt Ion: 56 Resp: 277142

Ion Ratio Lower Upper

56 100

69 31.2 25.8 38.8

84 93.7 75.9 113.9



#30

1,1,1-Trichloroethane

Concen: 104.167 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.000 min

Lab File: VU054791.D

Acq: 17 Jul 2023 11:05

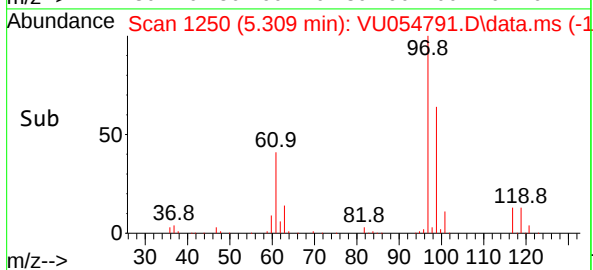
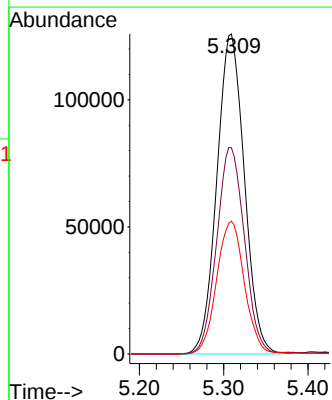
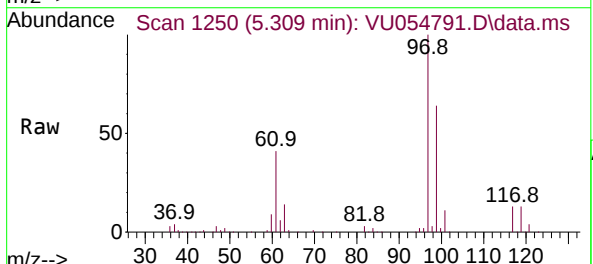
Tgt Ion: 97 Resp: 285649

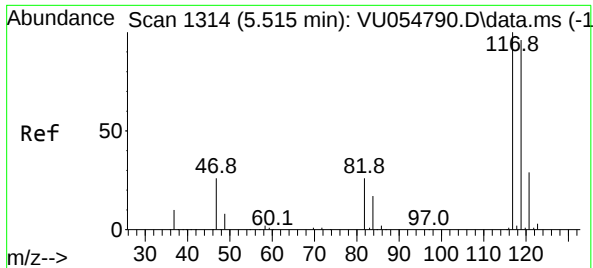
Ion Ratio Lower Upper

97 100

99 65.1 52.0 78.0

61 41.5 34.3 51.5

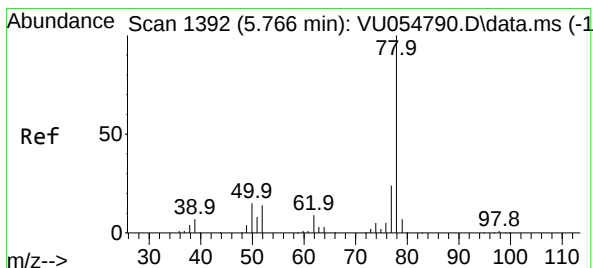
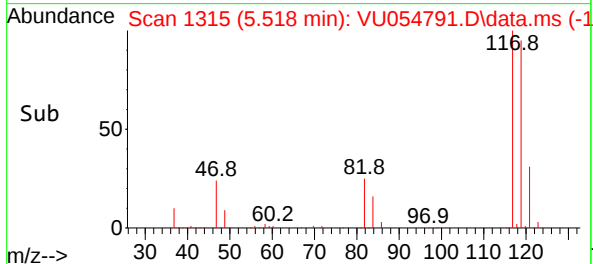
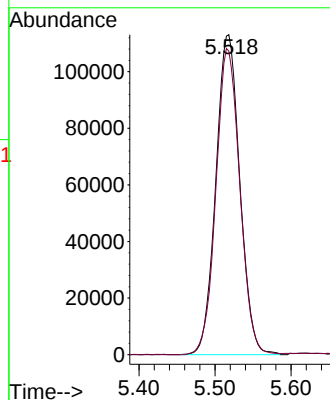
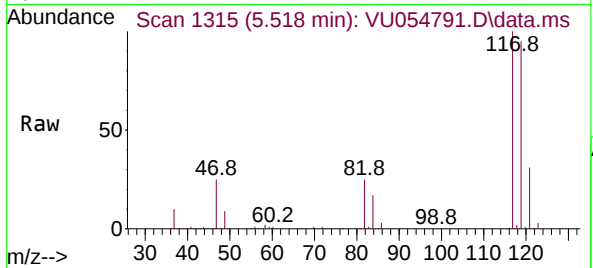




#31
Carbon tetrachloride
Concen: 104.562 ug/L
RT: 5.518 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054791.D
Acq: 17 Jul 2023 11:05

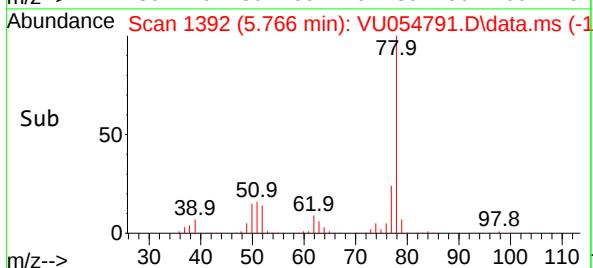
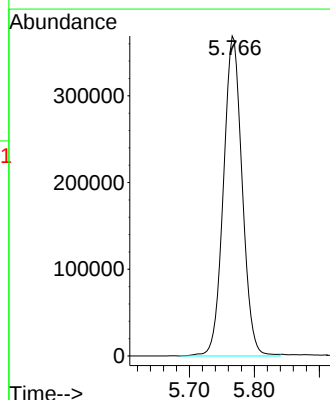
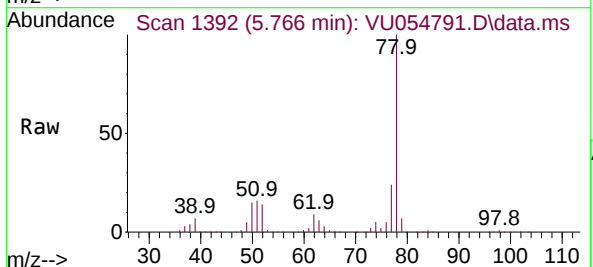
Instrument :
MSVOA_U
ClientSampleId :
VSTD100032

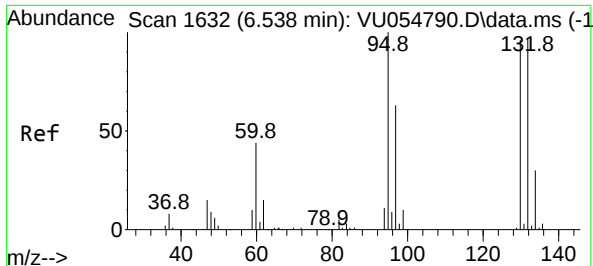
Tgt Ion:117 Resp: 247615
Ion Ratio Lower Upper
117 100
119 95.2 77.4 116.2



#33
Benzene
Concen: 104.085 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VU054791.D
Acq: 17 Jul 2023 11:05

Tgt Ion: 78 Resp: 736885

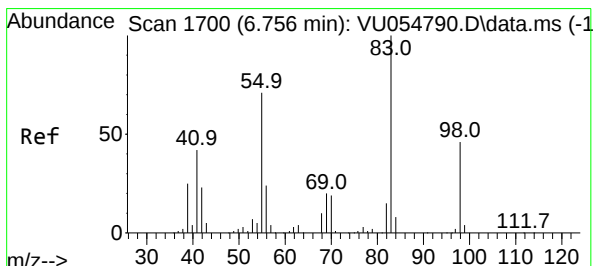
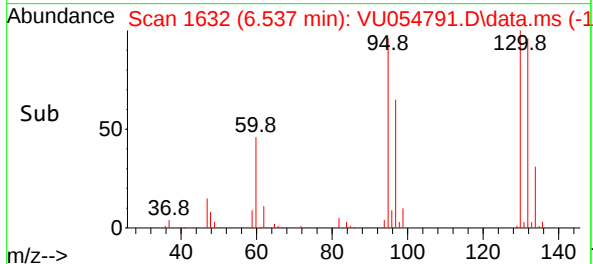
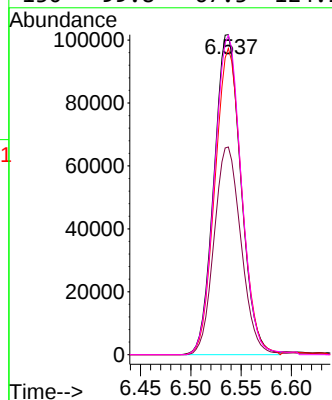
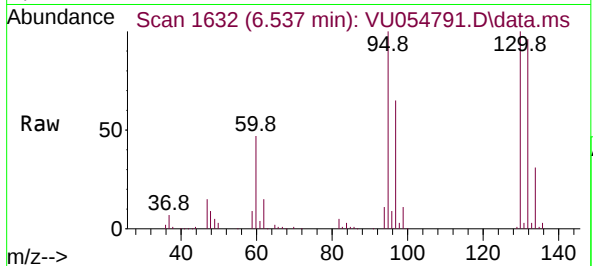




#34
Trichloroethene
Concen: 105.368 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU054791.D
Acq: 17 Jul 2023 11:05

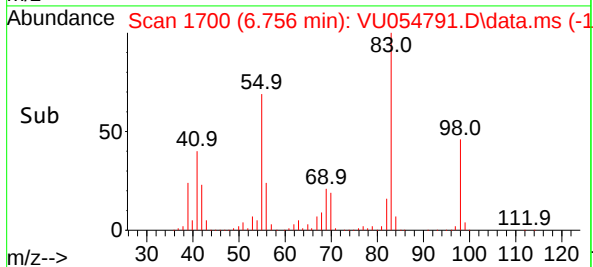
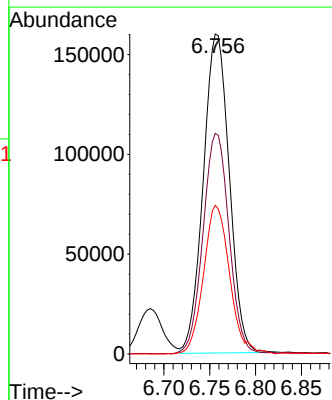
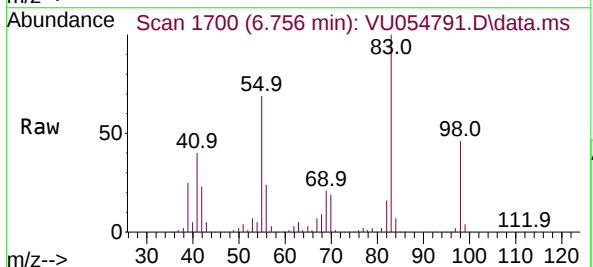
Instrument :
MSVOA_U
ClientSampleId :
VSTD100032

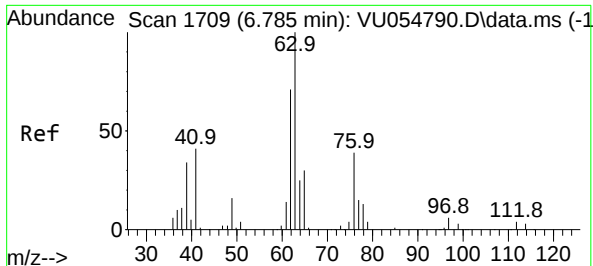
Tgt Ion: 95 Resp: 189883
Ion Ratio Lower Upper
95 100
97 64.9 44.0 81.8
132 95.7 67.9 126.1
130 99.8 67.3 124.9



#35
Methylcyclohexane
Concen: 107.145 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VU054791.D
Acq: 17 Jul 2023 11:05

Tgt Ion: 83 Resp: 315554
Ion Ratio Lower Upper
83 100
55 69.2 55.8 83.8
98 46.2 38.6 58.0





#37

1,2-Dichloropropane

Concen: 102.573 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054791.D

Acq: 17 Jul 2023 11:05

Instrument :

MSVOA_U

ClientSampleId :

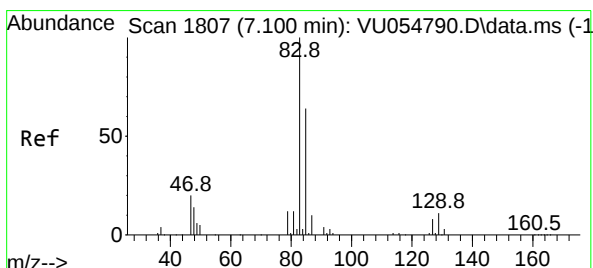
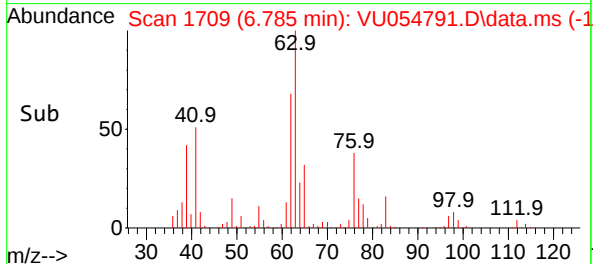
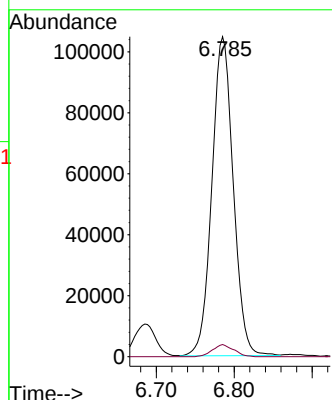
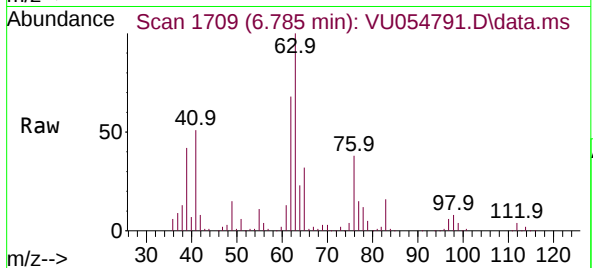
VSTD100032

Tgt Ion: 63 Resp: 199715

Ion Ratio Lower Upper

63 100

112 3.8 3.1 4.7



#38

Bromodichloromethane

Concen: 101.703 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VU054791.D

Acq: 17 Jul 2023 11:05

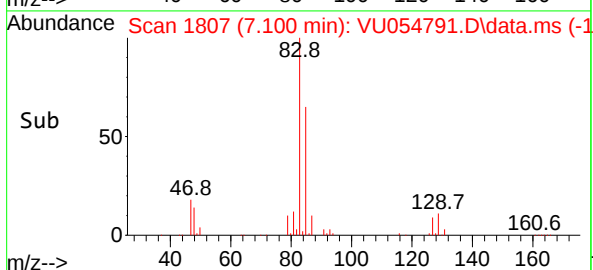
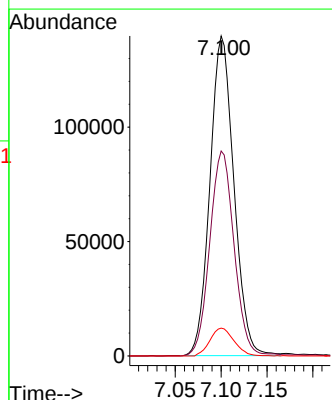
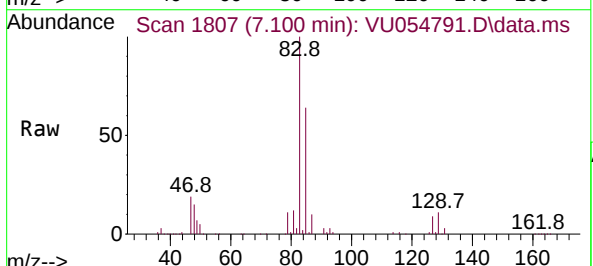
Tgt Ion: 83 Resp: 254056

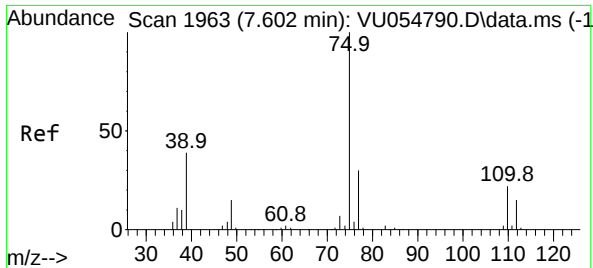
Ion Ratio Lower Upper

83 100

85 64.0 44.9 83.3

127 8.7 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 105.850 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VU054791.D

Acq: 17 Jul 2023 11:05

Instrument :

MSVOA_U

ClientSampleId :

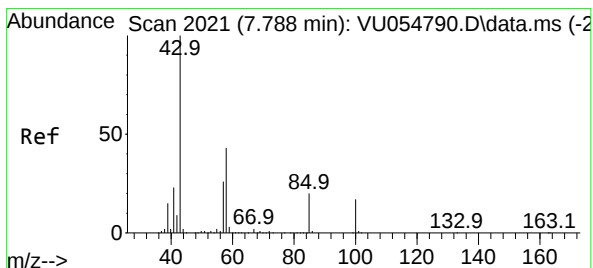
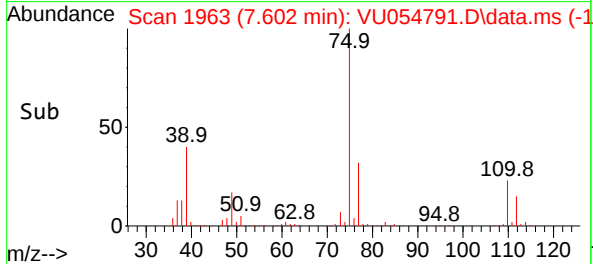
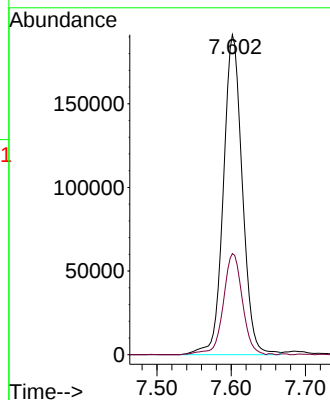
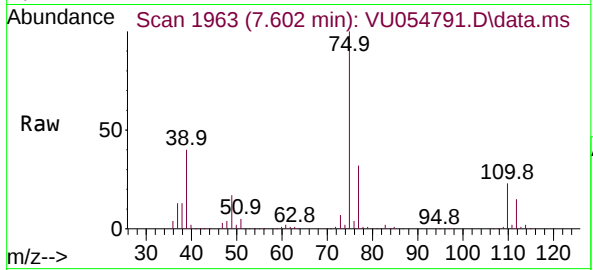
VSTD100032

Tgt Ion: 75 Resp: 339914

Ion Ratio Lower Upper

75 100

77 31.6 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 206.814 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. -0.000 min

Lab File: VU054791.D

Acq: 17 Jul 2023 11:05

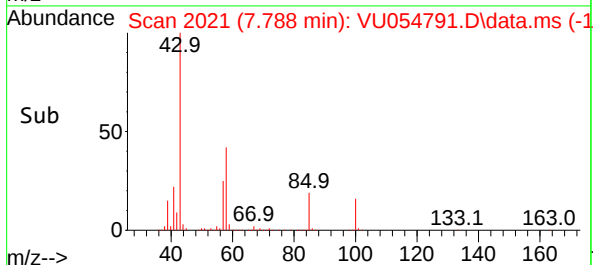
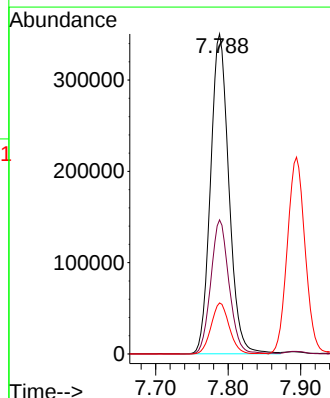
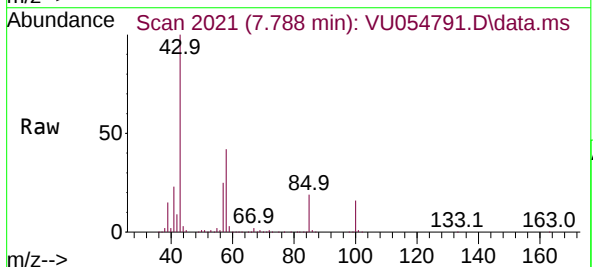
Tgt Ion: 43 Resp: 616587

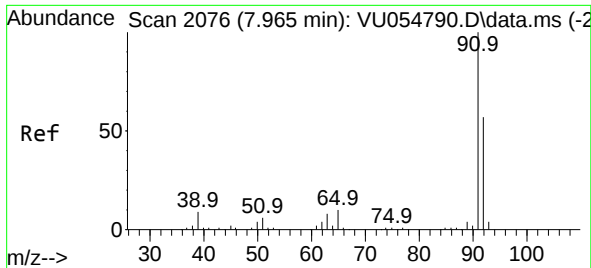
Ion Ratio Lower Upper

43 100

58 41.8 33.7 50.5

100 15.7 13.0 19.4





#42

Toluene

Concen: 104.772 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU054791.D

Acq: 17 Jul 2023 11:05

Instrument :

MSVOA_U

ClientSampleId :

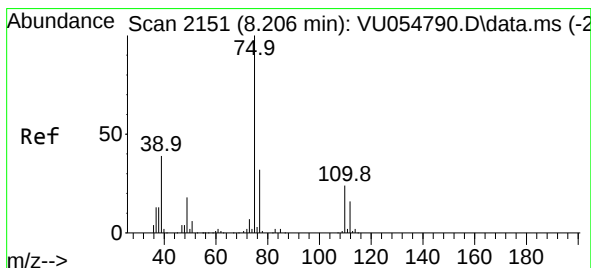
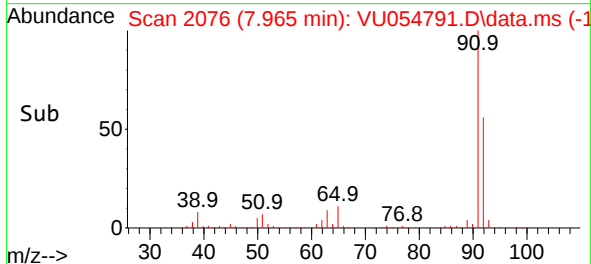
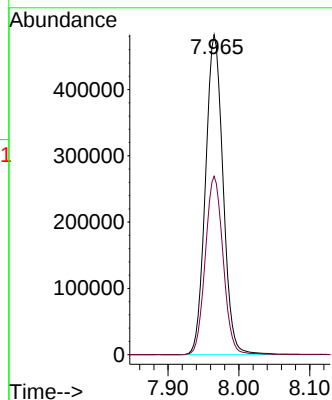
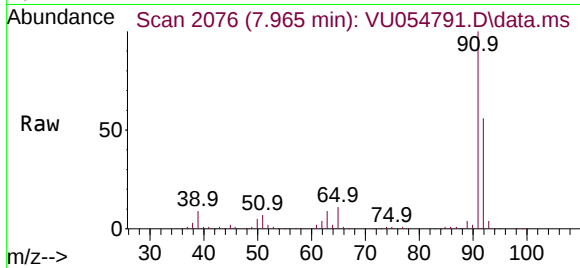
VSTD100032

Tgt Ion: 91 Resp: 830012

Ion Ratio Lower Upper

91 100

92 55.8 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 106.099 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU054791.D

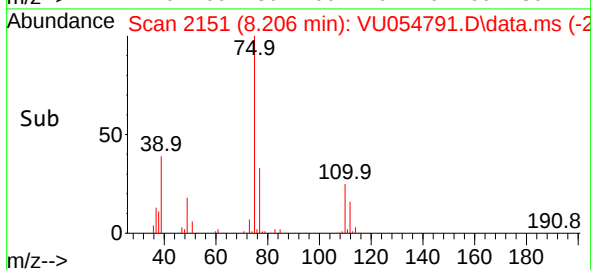
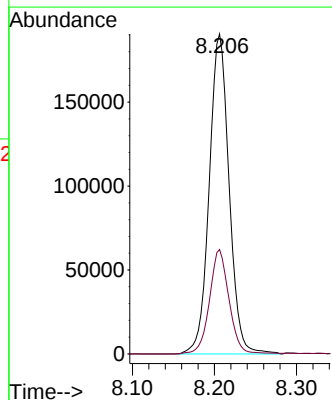
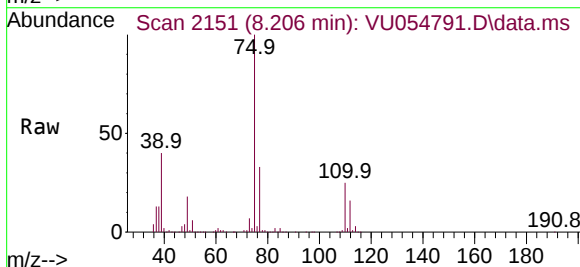
Acq: 17 Jul 2023 11:05

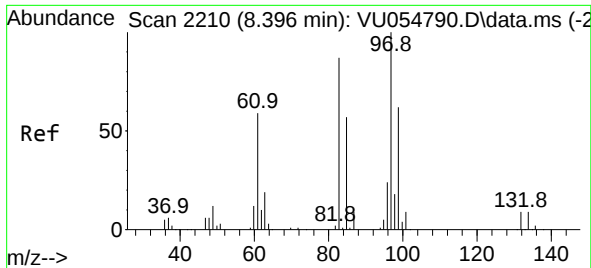
Tgt Ion: 75 Resp: 320110

Ion Ratio Lower Upper

75 100

77 32.7 22.7 42.1

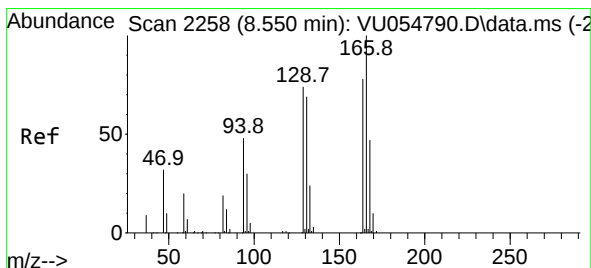
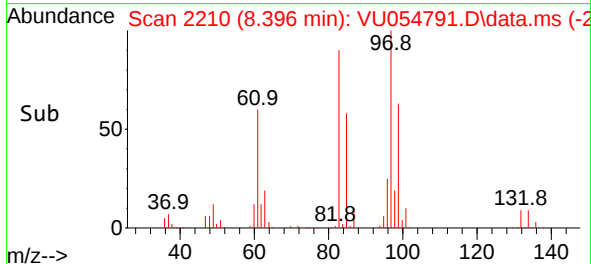
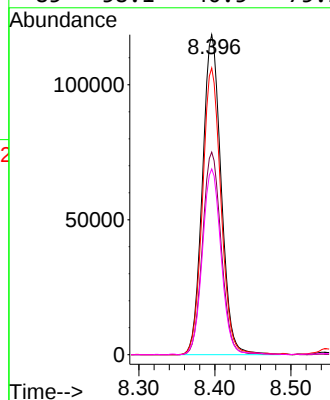
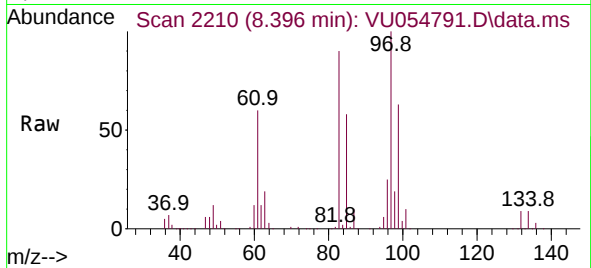




#45
1,1,2-Trichloroethane
Concen: 102.059 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. -0.000 min
Lab File: VU054791.D
Acq: 17 Jul 2023 11:05

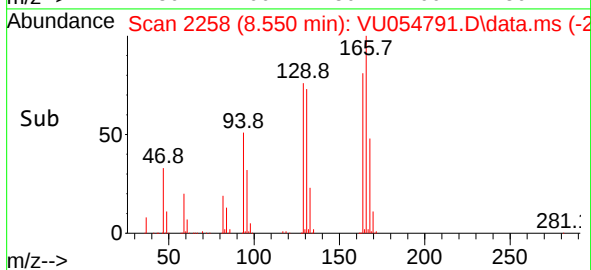
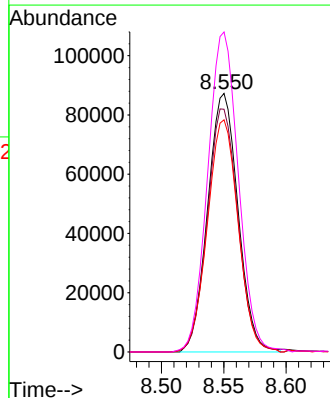
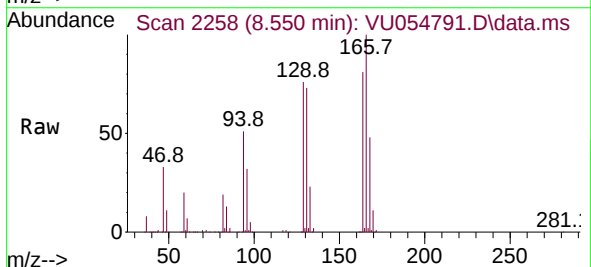
Instrument :
MSVOA_U
ClientSampleId :
VSTD100032

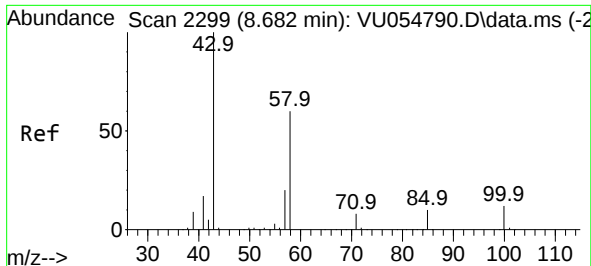
Tgt Ion:	97	Resp:	202598
Ion	Ratio	Lower	Upper
97	100		
99	63.3	43.3	80.5
83	89.6	60.6	112.6
85	58.1	40.5	75.3



#46
Tetrachloroethene
Concen: 107.254 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU054791.D
Acq: 17 Jul 2023 11:05

Tgt Ion:	164	Resp:	148181
Ion	Ratio	Lower	Upper
164	100		
129	91.8	66.2	123.0
131	87.8	61.9	115.1
166	121.0	89.2	165.8

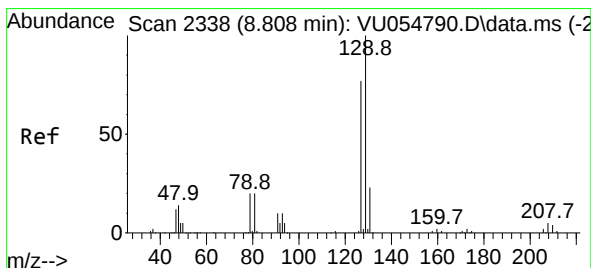
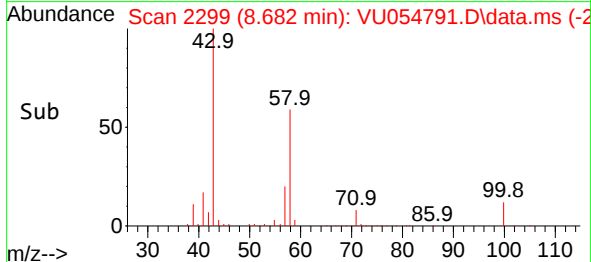
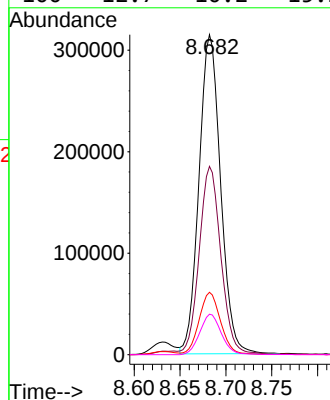
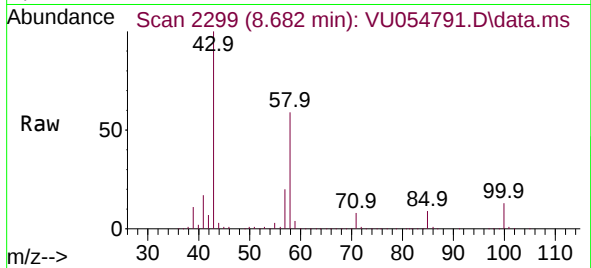




#48
2-Hexanone
Concen: 213.927 ug/L
RT: 8.682 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054791.D
Acq: 17 Jul 2023 11:05

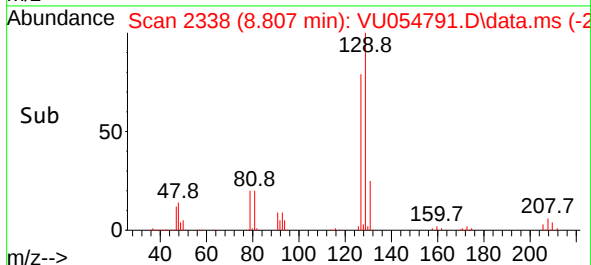
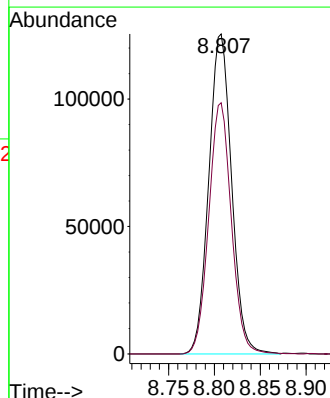
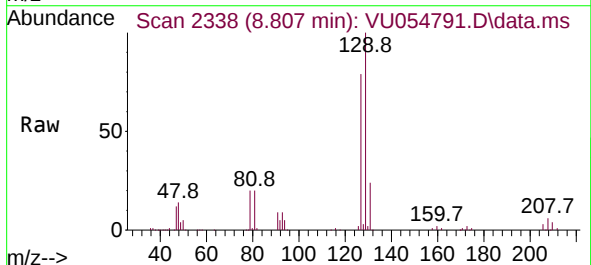
Instrument :
MSVOA_U
ClientSampleId :
VSTD100032

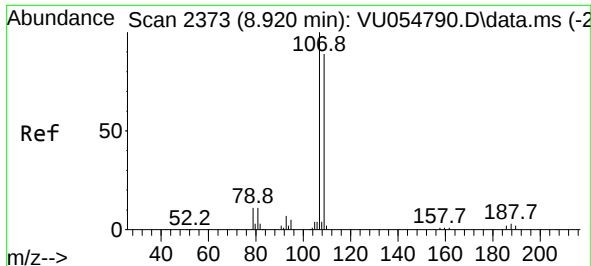
Tgt Ion:	43	Resp:	515468
Ion	Ratio	Lower	Upper
43	100		
58	58.9	46.5	69.7
57	19.6	15.4	23.2
100	12.7	10.2	15.2



#49
Dibromochloromethane
Concen: 106.152 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. -0.000 min
Lab File: VU054791.D
Acq: 17 Jul 2023 11:05

Tgt Ion:	129	Resp:	217049
Ion	Ratio	Lower	Upper
129	100		
127	78.5	54.4	101.0





#50

1,2-Dibromoethane

Concen: 102.961 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054791.D

Acq: 17 Jul 2023 11:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD100032

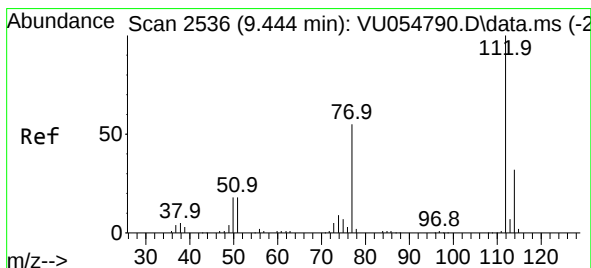
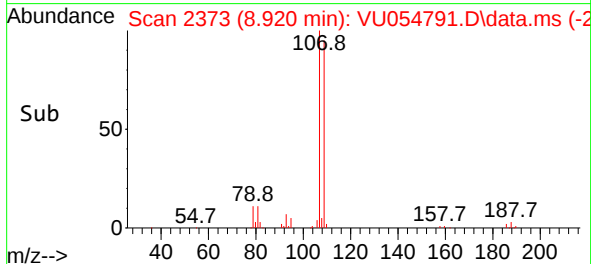
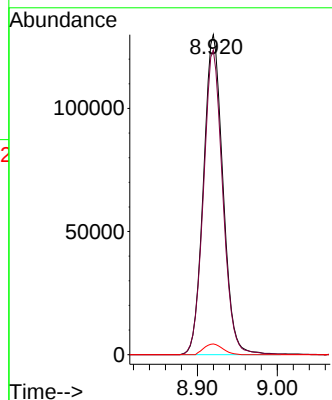
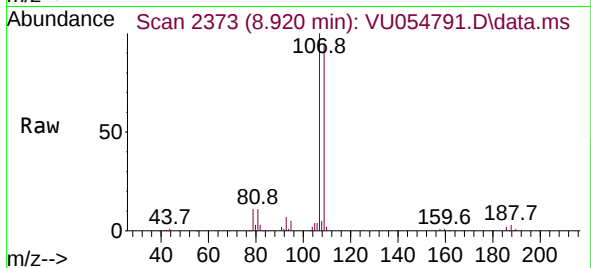
Tgt Ion:107 Resp: 219998

Ion Ratio Lower Upper

107 100

109 95.2 62.5 116.1

188 3.3 2.6 4.0



#51

Chlorobenzene

Concen: 105.106 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. -0.000 min

Lab File: VU054791.D

Acq: 17 Jul 2023 11:05

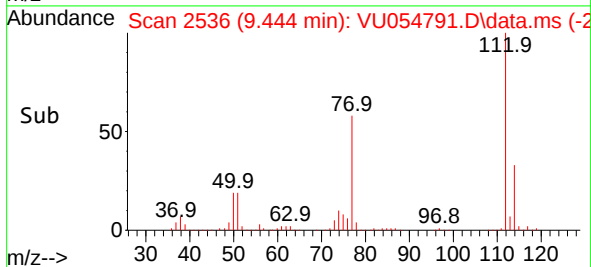
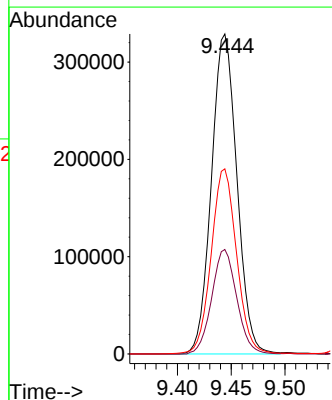
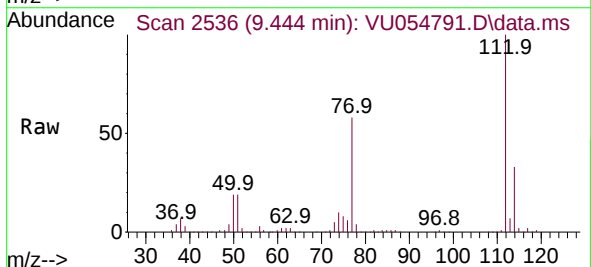
Tgt Ion:112 Resp: 541697

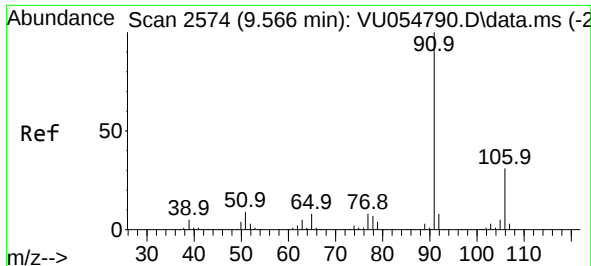
Ion Ratio Lower Upper

112 100

114 32.7 22.3 41.5

77 57.9 44.2 66.4

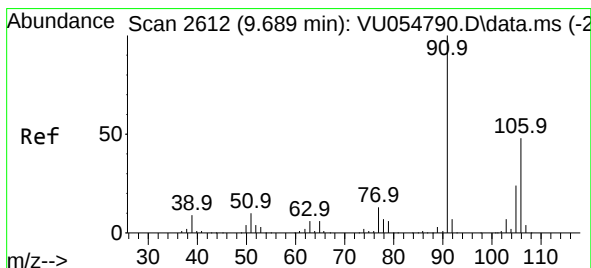
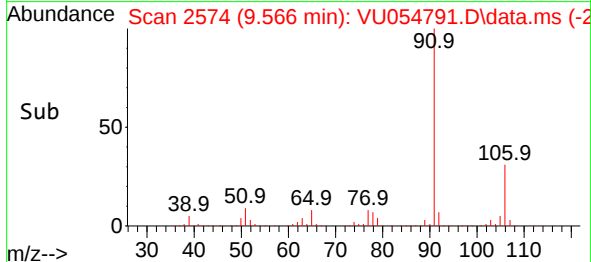
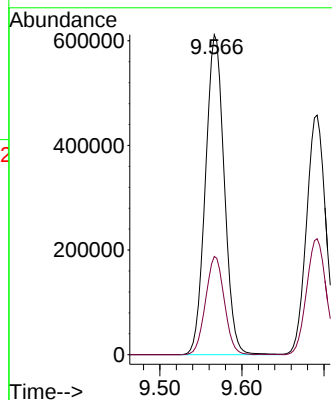
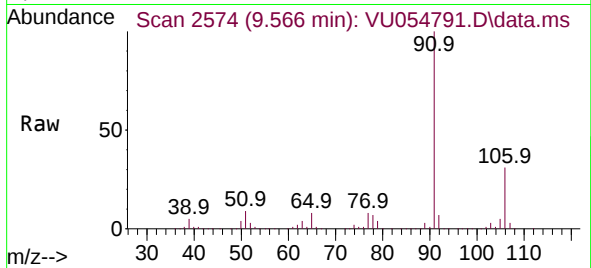




#52
Ethylbenzene
Concen: 106.460 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. -0.000 min
Lab File: VU054791.D
Acq: 17 Jul 2023 11:05

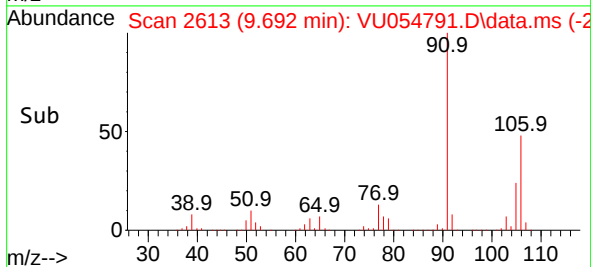
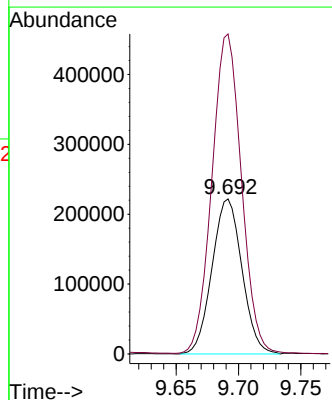
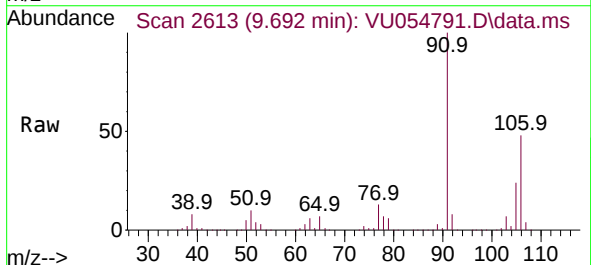
Instrument :
MSVOA_U
ClientSampleId :
VSTD100032

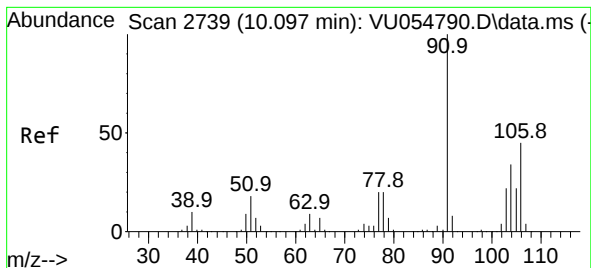
Tgt Ion: 91 Resp: 975076
Ion Ratio Lower Upper
91 100
106 30.7 23.5 43.7



#53
m,p-Xylene
Concen: 106.366 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU054791.D
Acq: 17 Jul 2023 11:05

Tgt Ion:106 Resp: 370915
Ion Ratio Lower Upper
106 100
91 190.8 133.3 247.7





#54

o-Xylene

Concen: 106.038 ug/L

RT: 10.097 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054791.D

Acq: 17 Jul 2023 11:05

Instrument :

MSVOA_U

ClientSampleId :

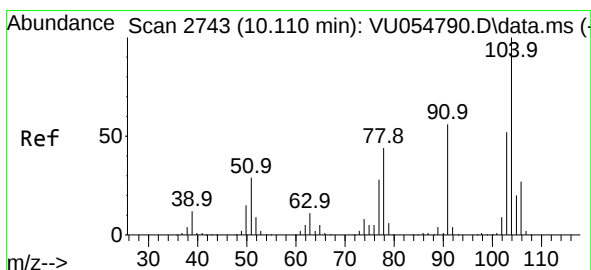
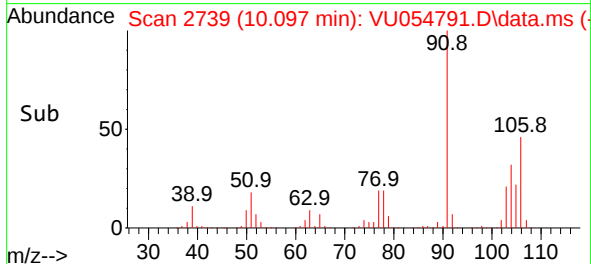
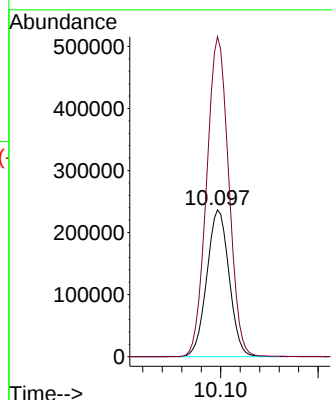
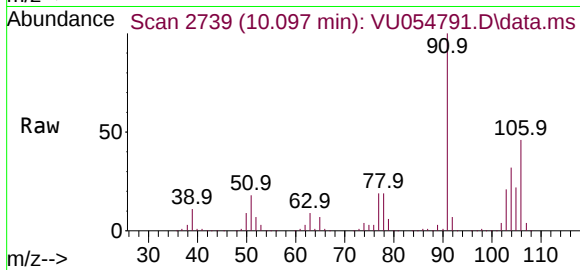
VSTD100032

Tgt Ion:106 Resp: 375643

Ion Ratio Lower Upper

106 100

91 217.9 142.0 263.8



#55

Styrene

Concen: 109.232 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. -0.000 min

Lab File: VU054791.D

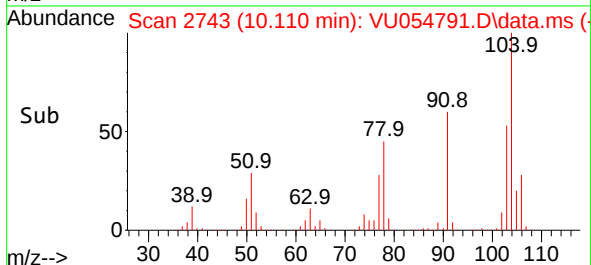
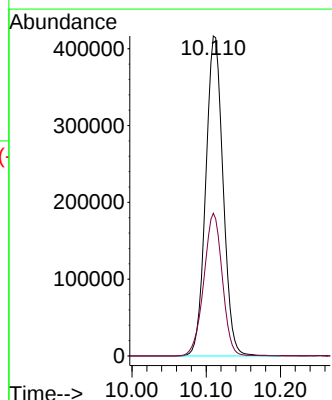
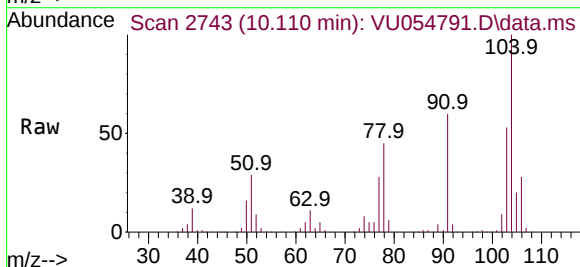
Acq: 17 Jul 2023 11:05

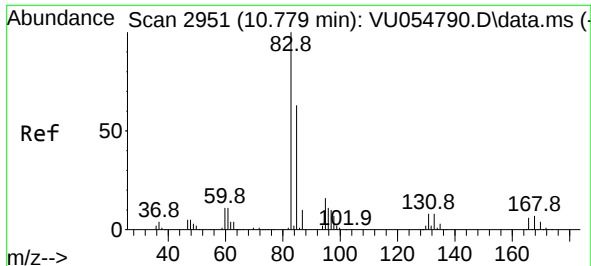
Tgt Ion:104 Resp: 673944

Ion Ratio Lower Upper

104 100

78 44.6 30.7 57.1

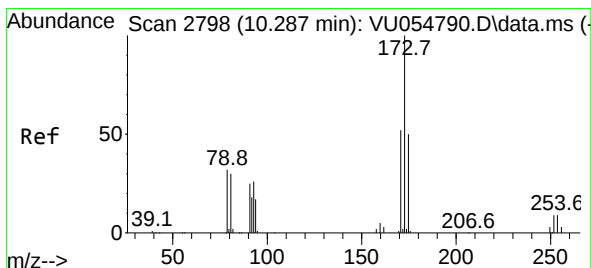
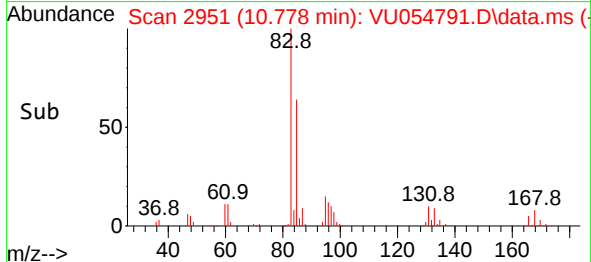
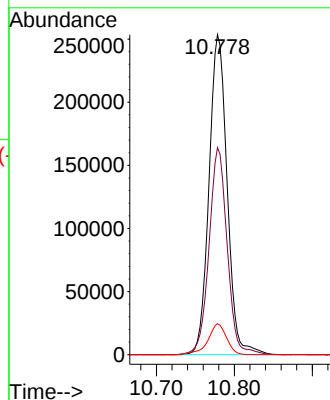
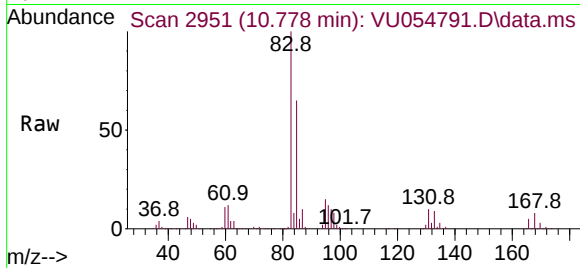




#57
1,1,2,2-Tetrachloroethane
Concen: 104.470 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. -0.000 min
Lab File: VU054791.D
Acq: 17 Jul 2023 11:05

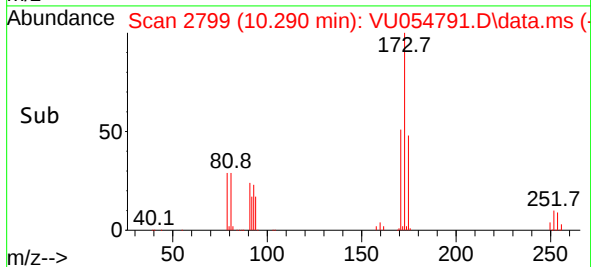
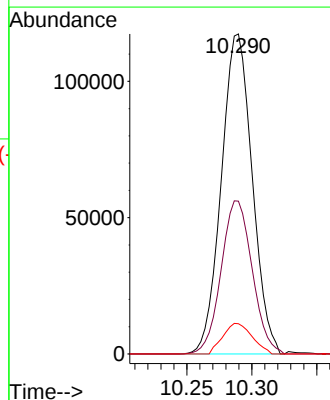
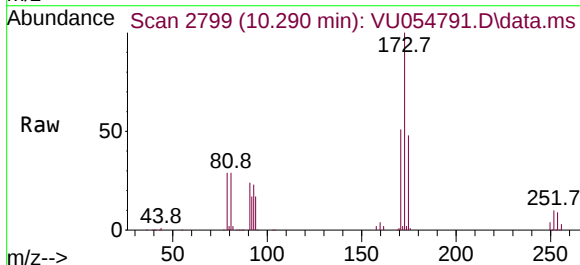
Instrument :
MSVOA_U
ClientSampleId :
VSTD100032

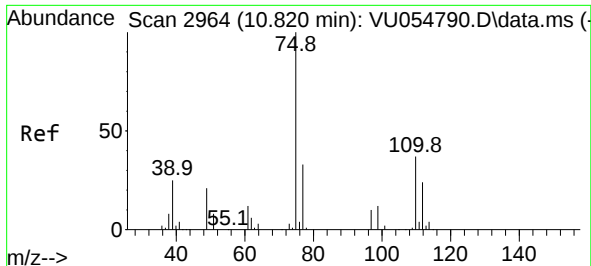
Tgt Ion: 83 Resp: 409439
Ion Ratio Lower Upper
83 100
85 64.7 43.8 81.4
131 9.7 8.7 13.1



#59
Bromoform
Concen: 104.275 ug/L
RT: 10.290 min Scan# 2799
Delta R.T. 0.003 min
Lab File: VU054791.D
Acq: 17 Jul 2023 11:05

Tgt Ion:173 Resp: 194115
Ion Ratio Lower Upper
173 100
175 48.1 38.8 58.2
254 9.0 2.4 3.6#

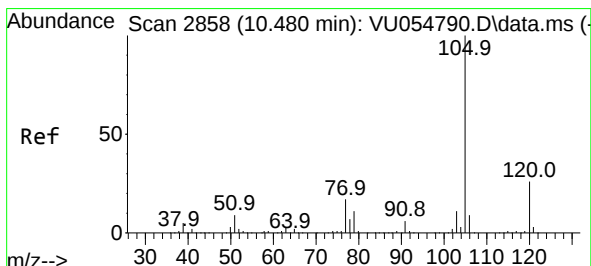
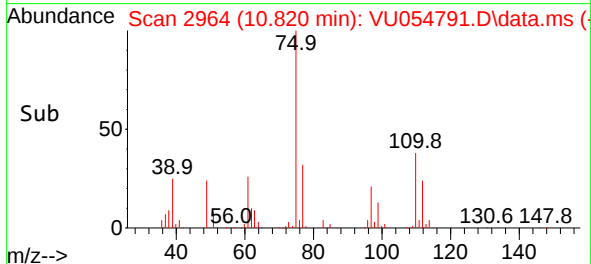
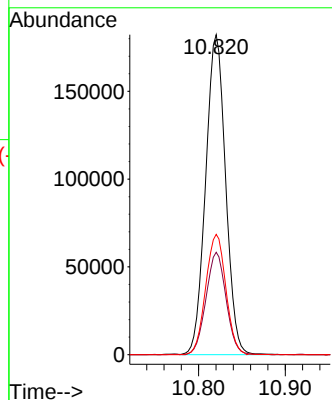
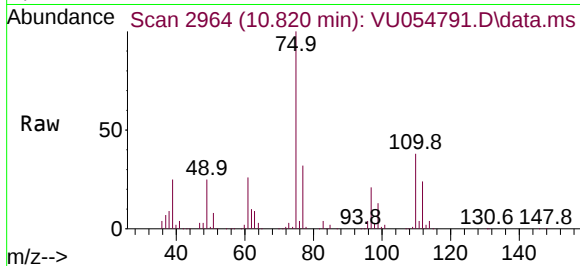




#60
1,2,3-Trichloropropane
Concen: 100.462 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. -0.000 min
Lab File: VU054791.D
Acq: 17 Jul 2023 11:05

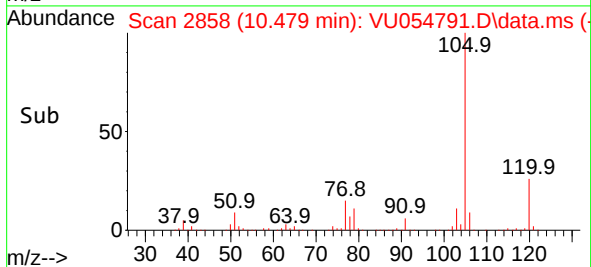
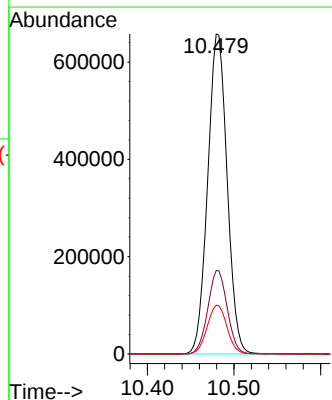
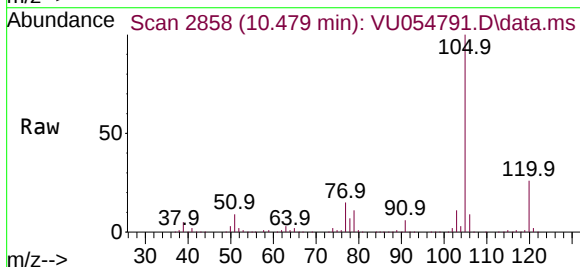
Instrument :
MSVOA_U
ClientSampleId :
VSTD100032

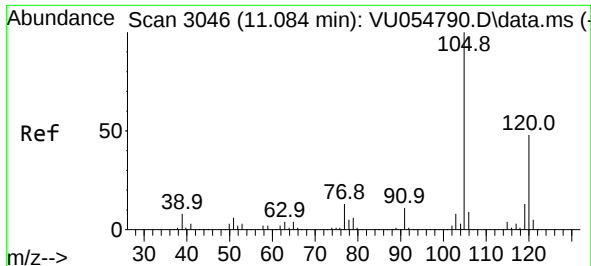
Tgt Ion: 75 Resp: 291740
Ion Ratio Lower Upper
75 100
77 32.2 26.2 39.4
110 37.9 29.9 44.9



#61
Isopropylbenzene
Concen: 104.126 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VU054791.D
Acq: 17 Jul 2023 11:05

Tgt Ion: 105 Resp: 1023906
Ion Ratio Lower Upper
105 100
120 26.1 21.4 32.0
77 15.5 12.8 19.2





#62

1,3,5-Trimethylbenzene

Concen: 107.137 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU054791.D

Acq: 17 Jul 2023 11:05

Instrument :

MSVOA_U

ClientSampleId :

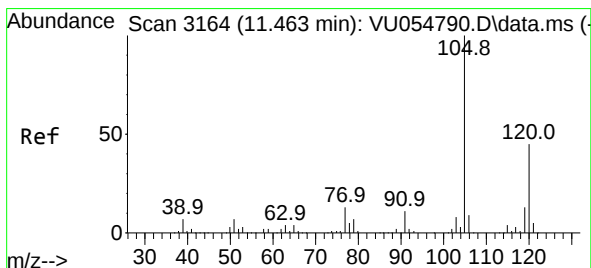
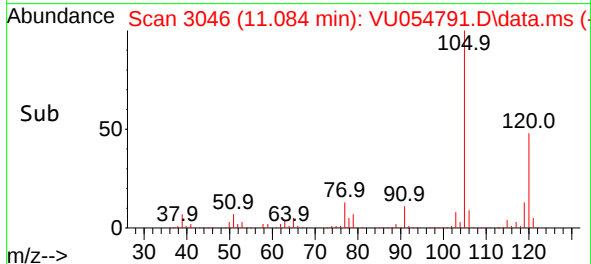
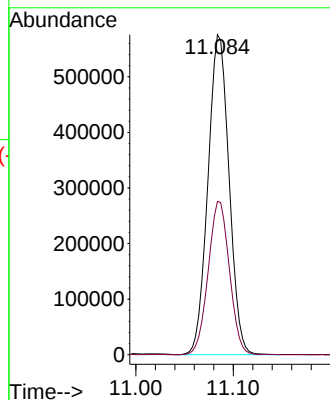
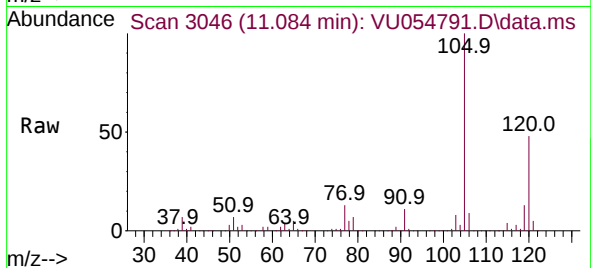
VSTD100032

Tgt Ion:105 Resp: 867623

Ion Ratio Lower Upper

105 100

120 48.1 38.0 57.0



#63

1,2,4-Trimethylbenzene

Concen: 108.059 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU054791.D

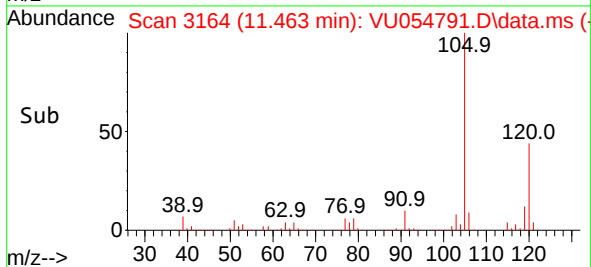
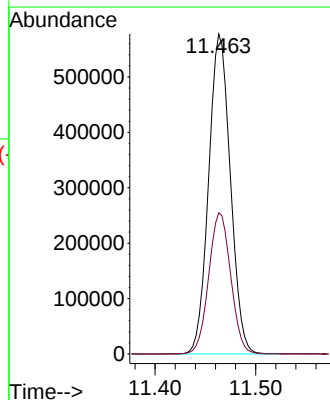
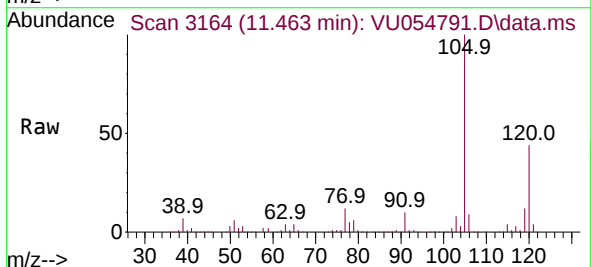
Acq: 17 Jul 2023 11:05

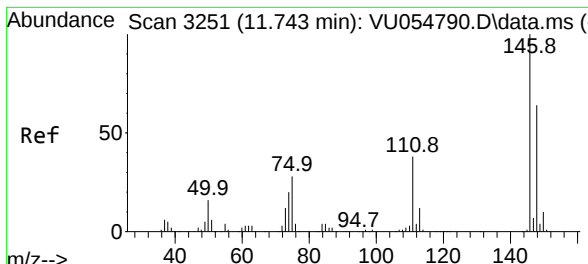
Tgt Ion:105 Resp: 867395

Ion Ratio Lower Upper

105 100

120 44.7 36.2 54.2

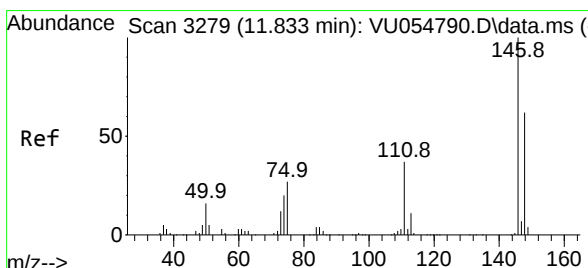
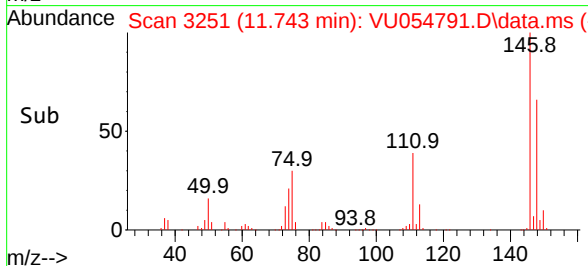
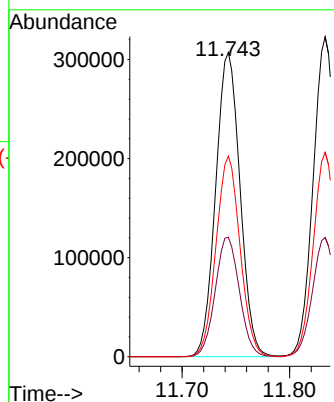
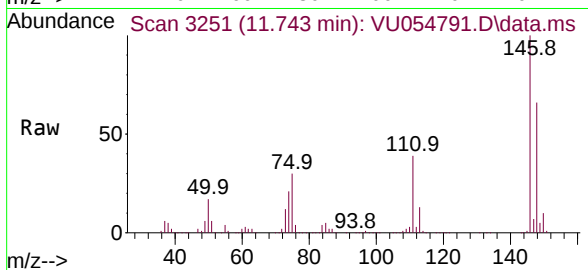




#64
1,3-Dichlorobenzene
Concen: 106.093 ug/L
RT: 11.743 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU054791.D
Acq: 17 Jul 2023 11:05

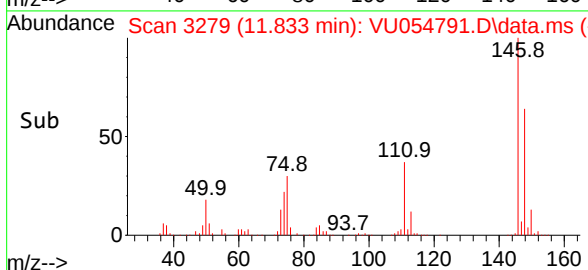
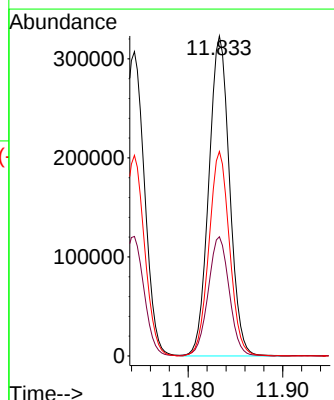
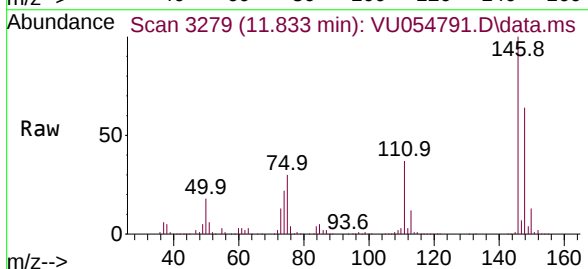
Instrument :
MSVOA_U
ClientSampleId :
VSTD100032

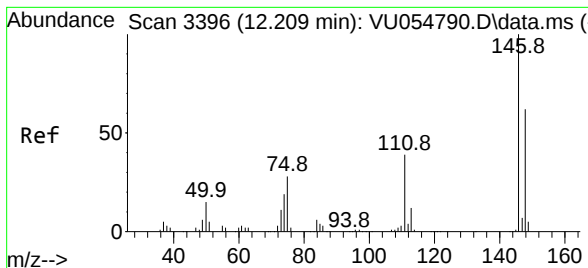
Tgt Ion:146 Resp: 483836
Ion Ratio Lower Upper
146 100
111 39.3 25.2 46.8
148 70.5 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 107.259 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU054791.D
Acq: 17 Jul 2023 11:05

Tgt Ion:146 Resp: 492686
Ion Ratio Lower Upper
146 100
111 34.8 24.1 44.8
148 59.8 41.0 76.2





#67

1,2-Dichlorobenzene

Concen: 105.568 ug/L

RT: 12.209 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU054791.D

Acq: 17 Jul 2023 11:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD100032

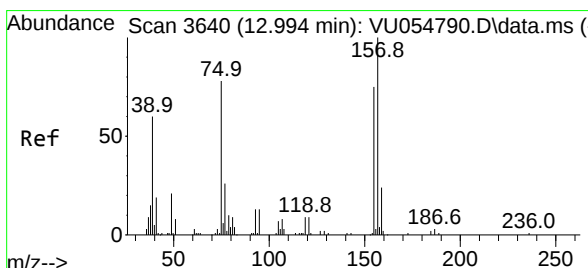
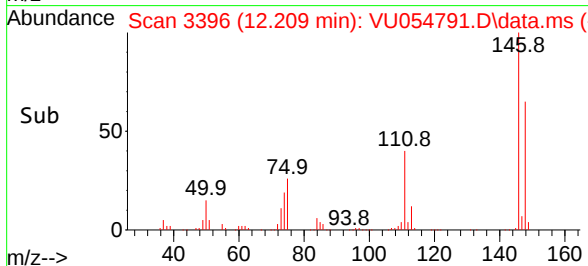
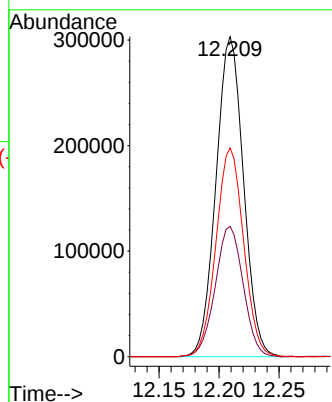
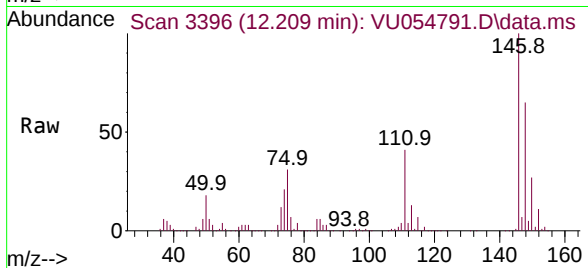
Tgt Ion:146 Resp: 483630

Ion Ratio Lower Upper

146 100

111 38.2 31.5 47.3

148 66.0 53.5 80.3



#68

1,2-Dibromo-3-chloropropane

Concen: 100.832 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. -0.003 min

Lab File: VU054791.D

Acq: 17 Jul 2023 11:05

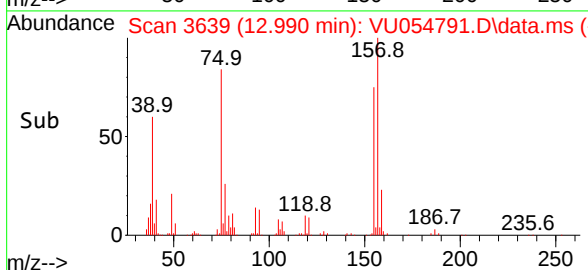
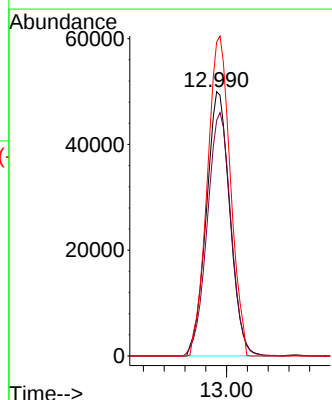
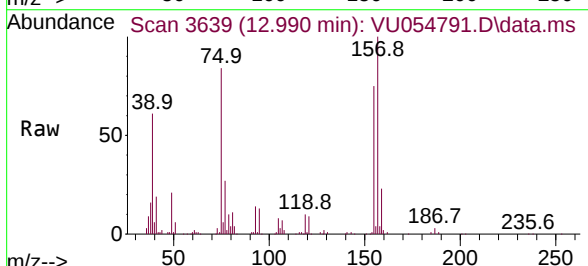
Tgt Ion: 75 Resp: 78261

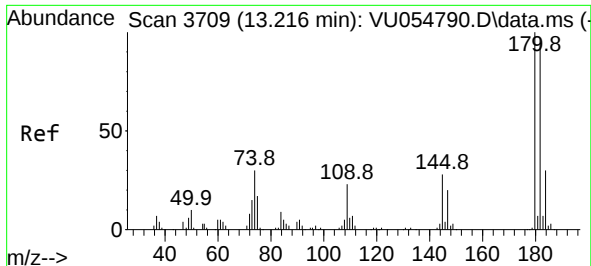
Ion Ratio Lower Upper

75 100

155 93.5 80.6 121.0

157 118.8 106.5 159.7

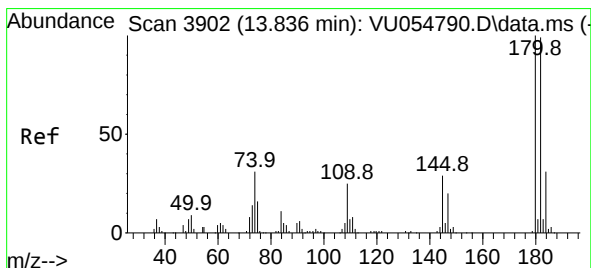
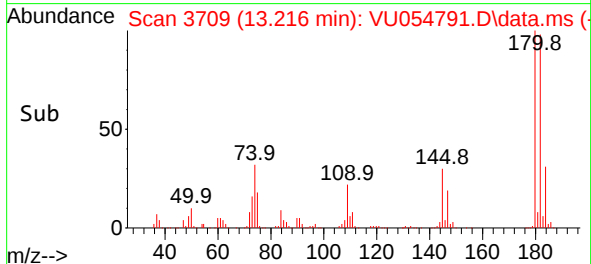
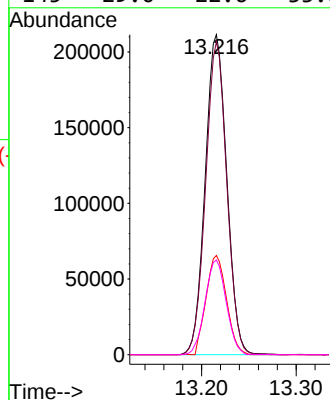
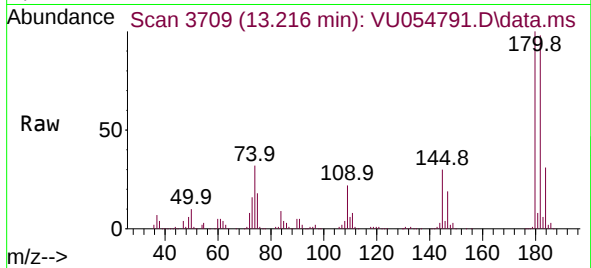




#69
 1,3,5-Trichlorobenzene
 Concen: 109.647 ug/L
 RT: 13.216 min Scan# 3709
 Delta R.T. -0.000 min
 Lab File: VU054791.D
 Acq: 17 Jul 2023 11:05

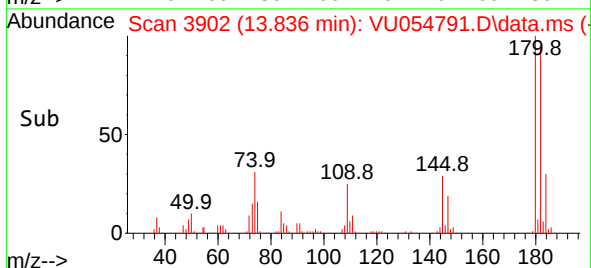
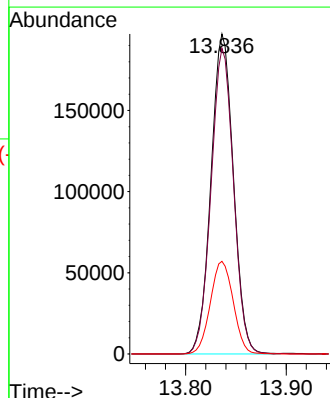
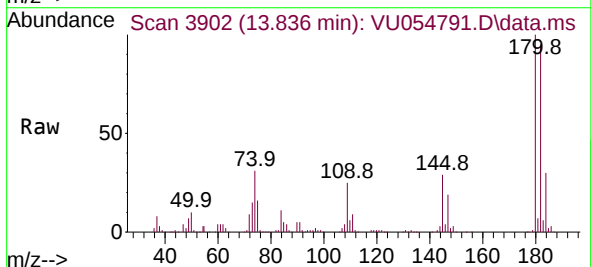
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100032

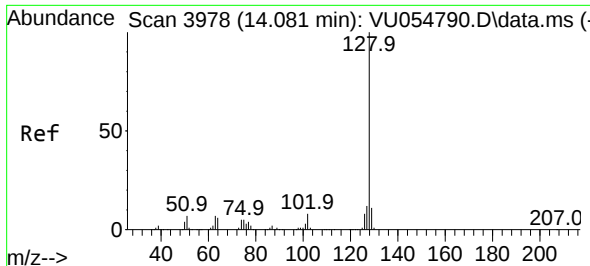
Tgt Ion:180 Resp: 335197
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.7 115.1
 184 29.4 23.4 35.0
 145 29.0 22.6 33.8



#70
 1,2,4-trichlorobenzene
 Concen: 115.894 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. -0.000 min
 Lab File: VU054791.D
 Acq: 17 Jul 2023 11:05

Tgt Ion:180 Resp: 305869
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.8 115.2
 145 29.5 23.0 34.6

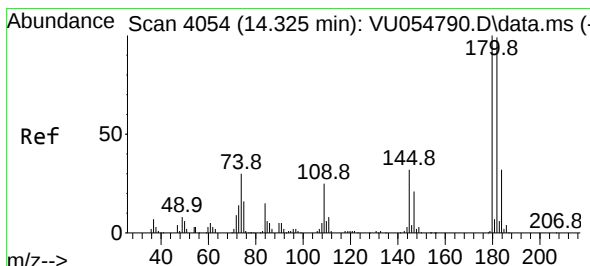
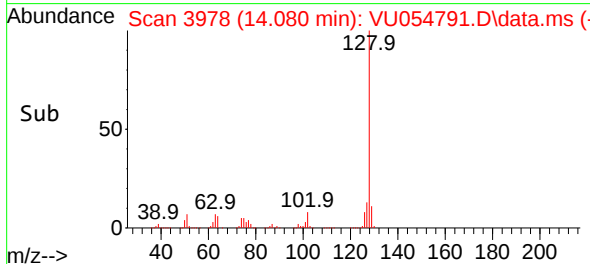
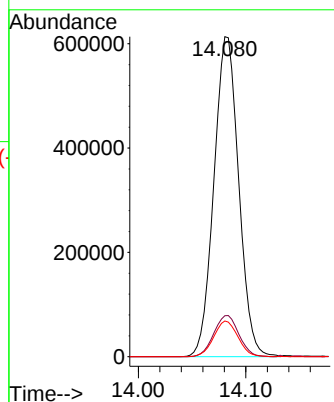
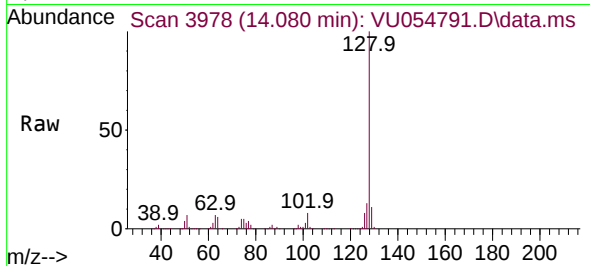




#71
Naphthalene
Concen: 113.430 ug/L
RT: 14.080 min Scan# 3978
Delta R.T. -0.000 min
Lab File: VU054791.D
Acq: 17 Jul 2023 11:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD100032

Tgt Ion:128	Resp: 982575
Ion Ratio	Lower Upper
128 100	
127 13.0	10.0 15.0
129 10.9	8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 114.408 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.000 min
Lab File: VU054791.D
Acq: 17 Jul 2023 11:05

Tgt Ion:180	Resp: 294035
Ion Ratio	Lower Upper
180 100	
182 94.8	76.6 115.0
145 31.9	25.4 38.2

