

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091923\
 Data File : VU055390.D
 Acq On : 19 Sep 2023 14:05
 Operator : MD/SY
 Sample : VSTD00162
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 20 05:25:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 20 05:24:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	246140	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	254063	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	135898	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	24489	1.523	ug/L	0.00
7) Chloroethane-d5	1.910	69	20990	1.253	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	65	9887	1.636	ug/L	0.00
20) 2-Butanone-d5	4.637	46	39127	9.819	ug/L	0.00
24) Chloroform-d	5.061	84	44010	1.298	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.701	65	20716	1.224	ug/L	0.00
32) Benzene-d6	5.727	84	84730	1.410	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	24702	1.255	ug/L	0.00
41) Toluene-d8	7.897	98	73016	1.381	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.180	79	8436	1.198	ug/L	0.00
46) 2-Hexanone-d5	8.634	63	22086	9.195	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	18228	1.109	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.193	152	25554	1.325	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	23719	1.013	ug/L	98
3) Chloromethane	1.518	50	21776	0.991	ug/L	99
5) Vinyl chloride	1.602	62	22931	0.960	ug/L	95
6) Bromomethane	1.856	94	14564	0.823	ug/L	95
8) Chloroethane	1.930	64	14063	0.760	ug/L	95
9) Trichlorofluoromethane	2.136	101	31293	0.849	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	19413	1.009	ug/L	98
12) 1,1-Dichloroethene	2.579	96	17165	0.998	ug/L	92
13) Acetone	2.647	43	23460	9.333	ug/L	94
14) Carbon disulfide	2.791	76	51723	0.964	ug/L	97
15) Methyl Acetate	2.955	43	3880	0.655	ug/L #	86
16) Methylene chloride	3.042	84	19759	0.778	ug/L	98
17) Methyl tert-butyl Ether	3.361	73	35656	0.883	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	17237	0.928	ug/L	94
19) 1,1-Dichloroethane	3.865	63	32186	0.900	ug/L	97
21) 2-Butanone	4.717	43	34845	8.562	ug/L	98
22) cis-1,2-Dichloroethene	4.666	96	20440	0.943	ug/L	93
23) Bromochloromethane	4.975	128	8540	0.963	ug/L	95
25) Chloroform	5.084	83	33075	0.853	ug/L	97
27) 1,2-Dichloroethane	5.795	62	20240	0.846	ug/L	96
29) 1,1,1-Trichloroethane	5.312	97	28282	0.900	ug/L	99
30) Cyclohexane	5.383	56	24923	0.849	ug/L	99
31) Carbon tetrachloride	5.524	117	24366	0.903	ug/L	96
33) Benzene	5.772	78	70536	0.866	ug/L	100
34) Trichloroethene	6.540	95	20387	0.880	ug/L	97
35) Methylcyclohexane	6.759	83	28016	0.836	ug/L	100
37) 1,2-Dichloropropane	6.788	63	18950	0.894	ug/L #	96
38) Bromodichloromethane	7.103	83	21131	0.829	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	23053	0.790	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	78990	7.863	ug/L	99
42) Toluene	7.968	91	74767	0.844	ug/L	97
44) trans-1,3-Dichloropropene	8.209	75	17715	0.774	ug/L	90

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

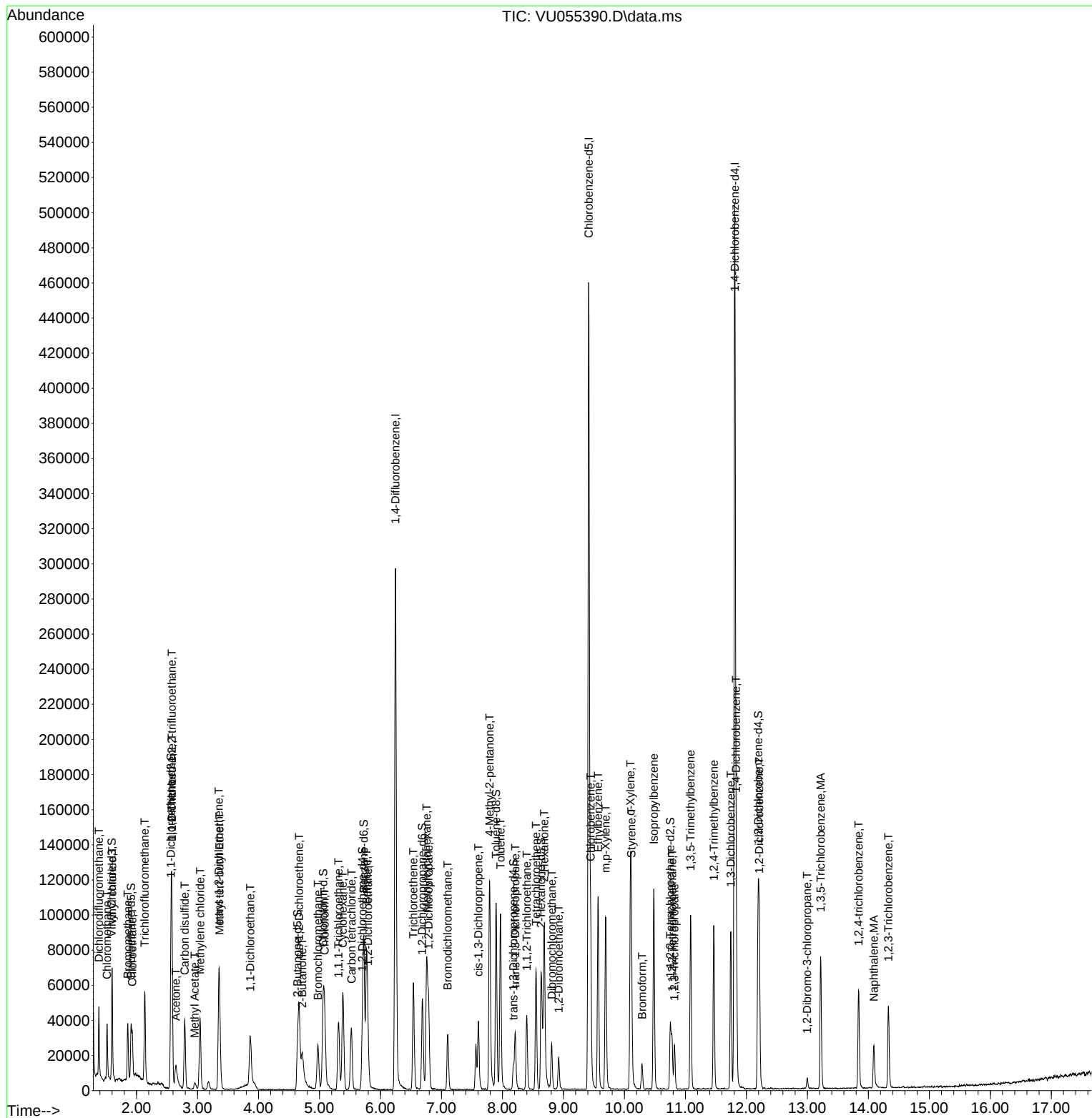
45) 1,1,2-Trichloroethane	8.399	97	13289	0.890	ug/L	94
47) Tetrachloroethene	8.553	164	14388	0.890	ug/L	94
48) 2-Hexanone	8.685	43	60284	7.967	ug/L	99
49) Dibromochloromethane	8.807	129	13501	0.885	ug/L	91
50) 1,2-Dibromoethane	8.923	107	11770	0.854	ug/L #	97
51) Chlorobenzene	9.447	112	49321	0.863	ug/L	99
52) Ethylbenzene	9.569	91	79050	0.819	ug/L	97
53) m,p-Xylene	9.695	106	28223	0.774	ug/L	93
54) o-Xylene	10.100	106	27982	0.811	ug/L	91
55) Styrene	10.116	104	41862	0.723	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.781	83	13916	0.849	ug/L	91
59) Bromoform	10.290	173	6745	0.866	ug/L #	98
60) Isopropylbenzene	10.482	105	72749	0.769	ug/L	97
61) 1,2,3-Trichloropropane	10.820	75	10849	0.854	ug/L	96
62) 1,3,5-Trimethylbenzene	11.087	105	55638	0.762	ug/L	97
63) 1,2,4-Trimethylbenzene	11.466	105	53554	0.726	ug/L	99
64) 1,3-Dichlorobenzene	11.746	146	36676	0.833	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	35890	0.836	ug/L	97
67) 1,2-Dichlorobenzene	12.212	146	33905	0.859	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.997	75	1815	0.834	ug/L #	90
69) 1,3,5-Trichlorobenzene	13.219	180	24790	0.821	ug/L	98
70) 1,2,4-trichlorobenzene	13.839	180	17440	0.747	ug/L	98
71) Naphthalene	14.090	128	23763	0.706	ug/L	97
72) 1,2,3-Trichlorobenzene	14.328	180	14603	0.717	ug/L	97

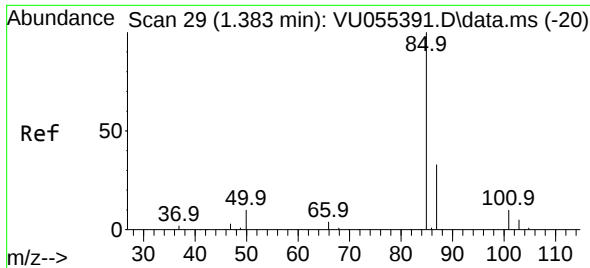
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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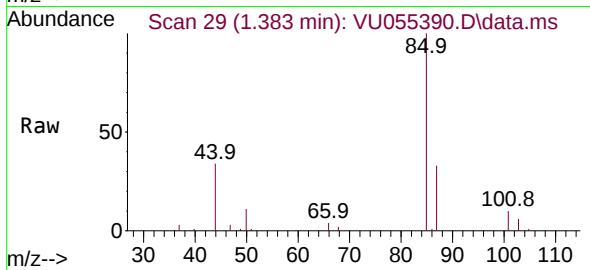
Quant Time: Sep 20 05:25:17 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
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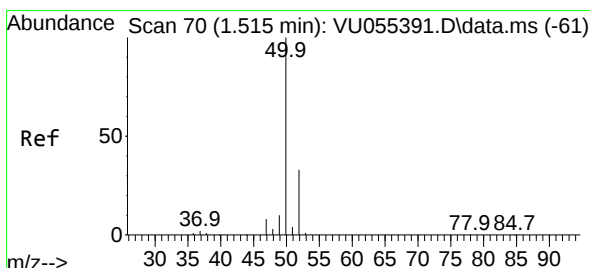
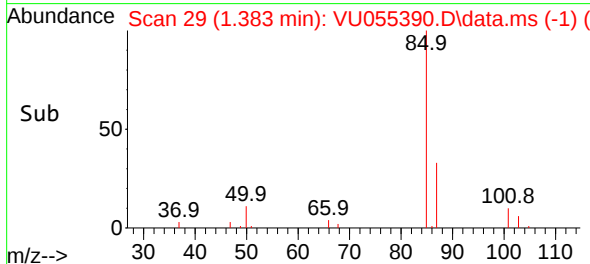
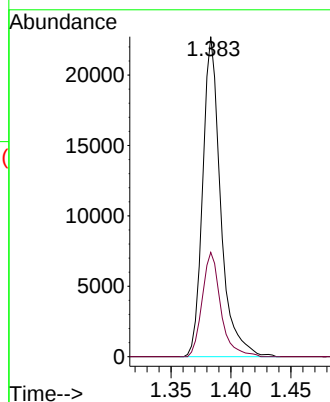


#2
 Dichlorodifluoromethane
 Concen: 1.013 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU055390.D
 Acq: 19 Sep 2023 14:05

Instrument :
 MSVOA_U
 ClientSampleId :

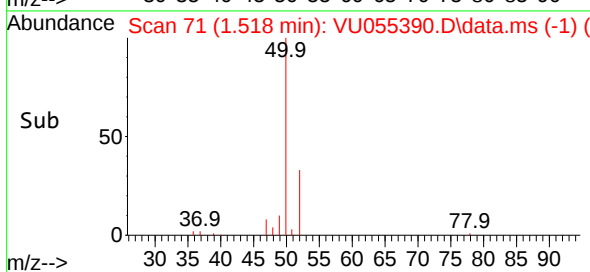
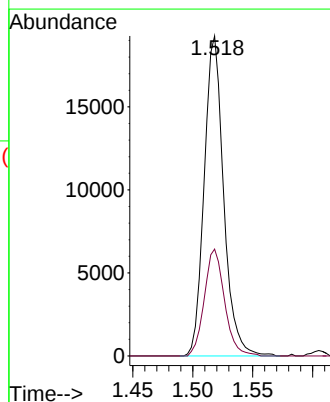
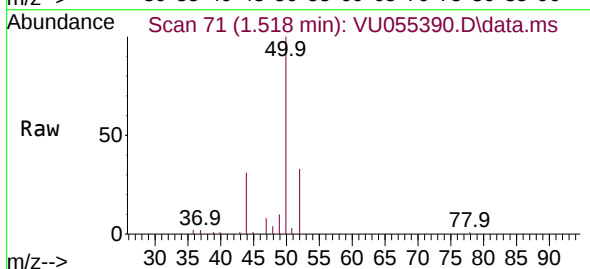


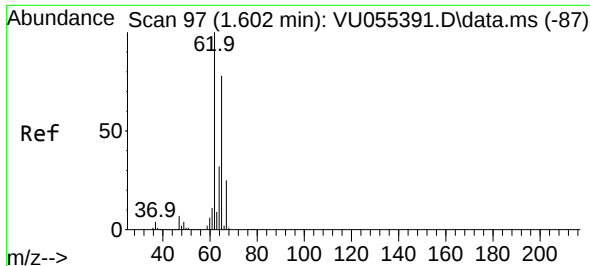
Tgt Ion: 85 Resp: 23719
 Ion Ratio Lower Upper
 85 100
 87 33.7 26.0 39.0



#3
 Chloromethane
 Concen: 0.991 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VU055390.D
 Acq: 19 Sep 2023 14:05

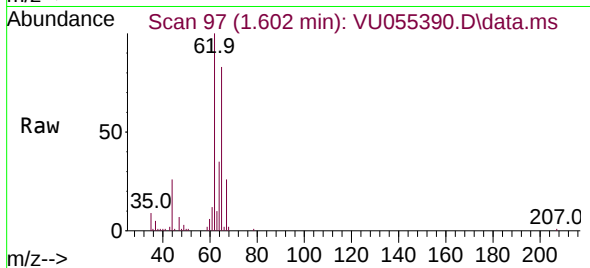
Tgt Ion: 50 Resp: 21776
 Ion Ratio Lower Upper
 50 100
 52 33.4 22.9 42.5



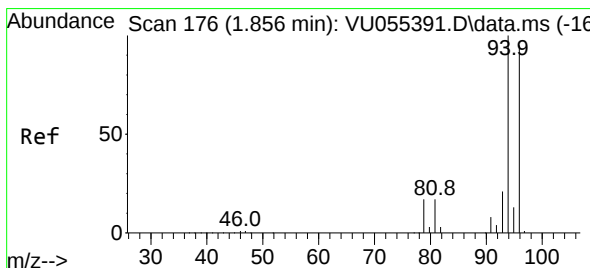
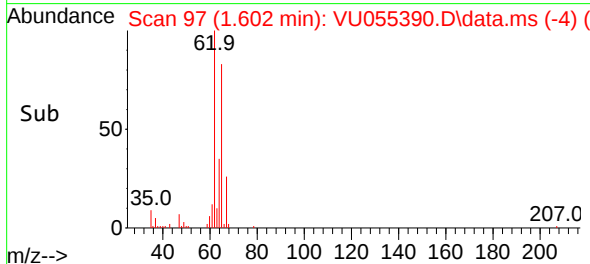
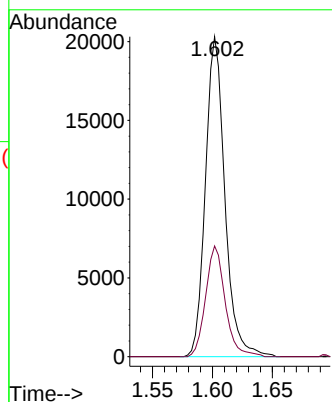


#5
 Vinyl chloride
 Concen: 0.960 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU055390.D
 Acq: 19 Sep 2023 14:05

Instrument :
 MSVOA_U
 ClientSampleId :

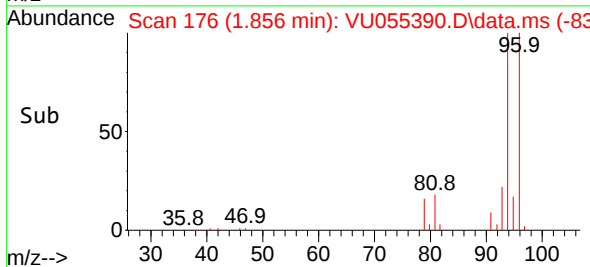
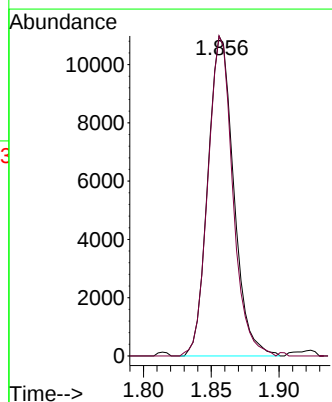
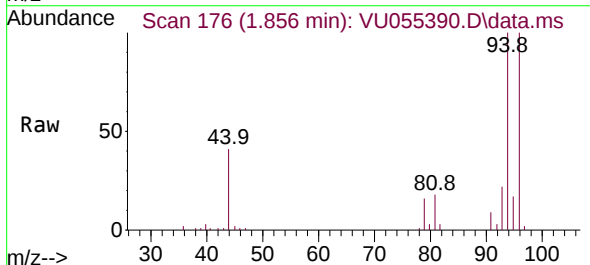


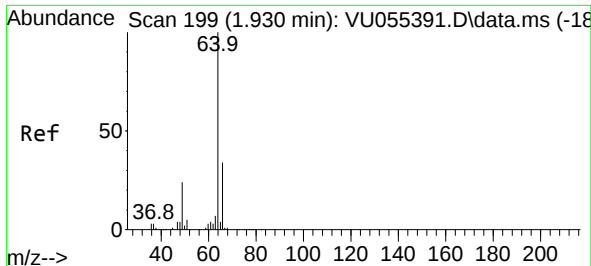
Tgt Ion: 62 Resp: 22931
 Ion Ratio Lower Upper
 62 100
 64 34.6 22.3 41.5



#6
 Bromomethane
 Concen: 0.823 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. -0.000 min
 Lab File: VU055390.D
 Acq: 19 Sep 2023 14:05

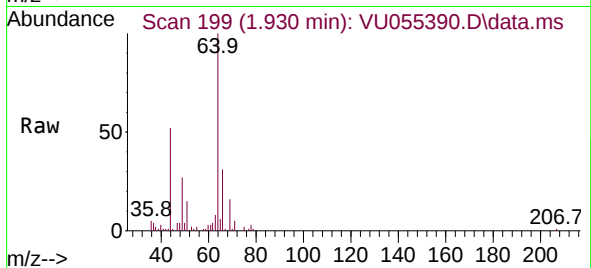
Tgt Ion: 94 Resp: 14564
 Ion Ratio Lower Upper
 94 100
 96 100.0 66.4 123.2



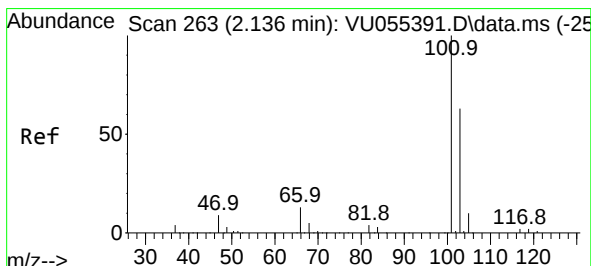
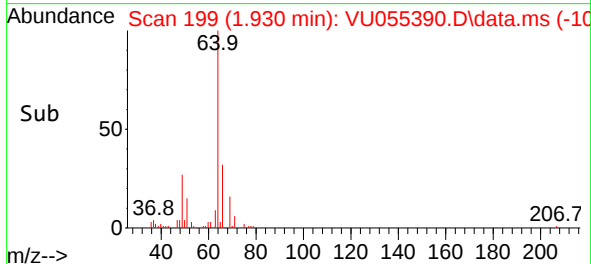
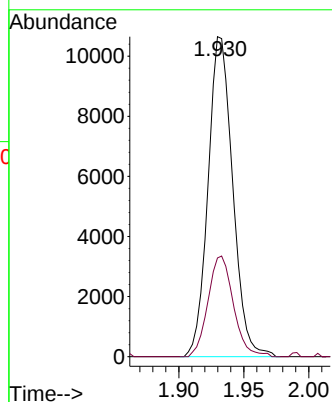


#8
Chloroethane
Concen: 0.760 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU055390.D
Acq: 19 Sep 2023 14:05

Instrument :
MSVOA_U
ClientSampleId :

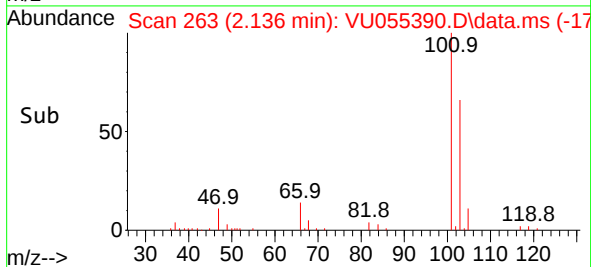
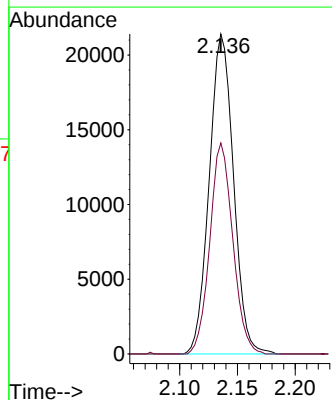
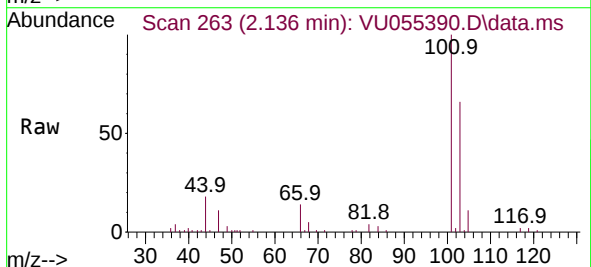


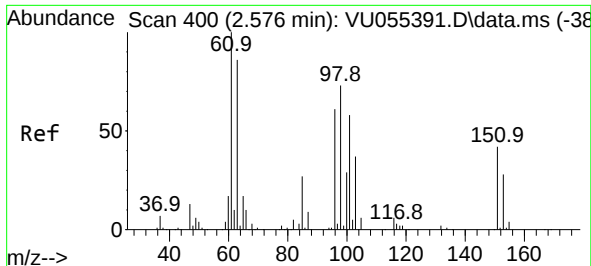
Tgt Ion: 64 Resp: 14063
Ion Ratio Lower Upper
64 100
66 30.9 23.7 44.1



#9
Trichlorofluoromethane
Concen: 0.849 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.000 min
Lab File: VU055390.D
Acq: 19 Sep 2023 14:05

Tgt Ion: 101 Resp: 31293
Ion Ratio Lower Upper
101 100
103 62.4 52.0 78.0

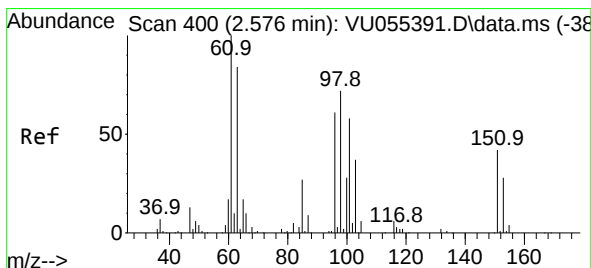
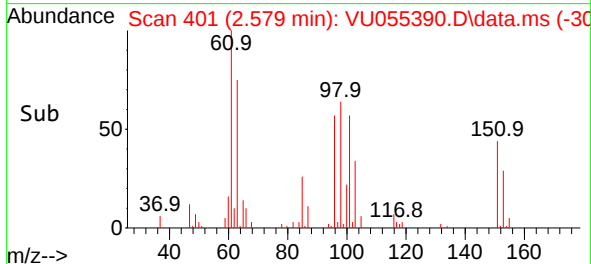
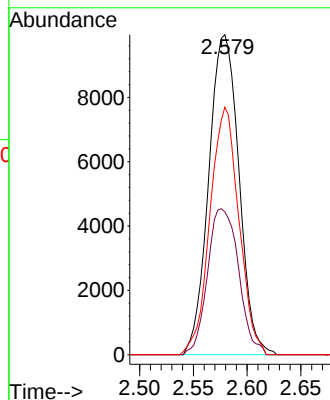
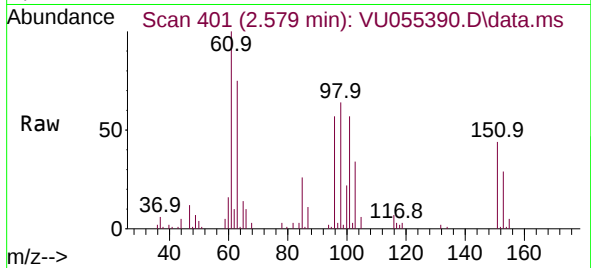




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.009 ug/L
RT: 2.579 min Scan# 401
Delta R.T. 0.003 min
Lab File: VU055390.D
Acq: 19 Sep 2023 14:05

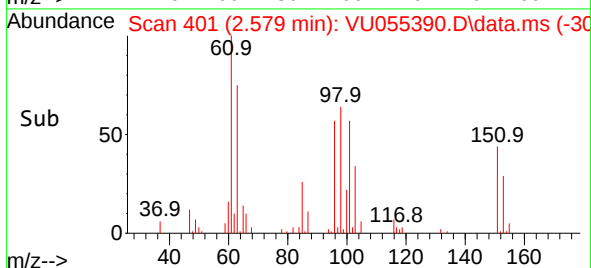
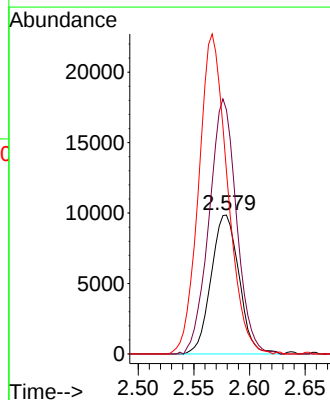
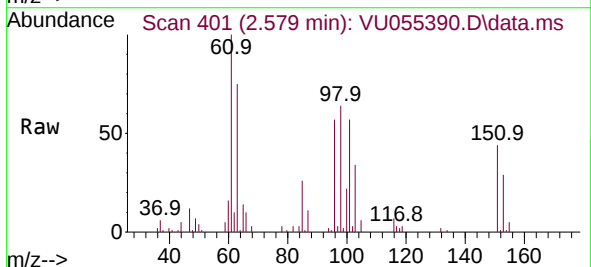
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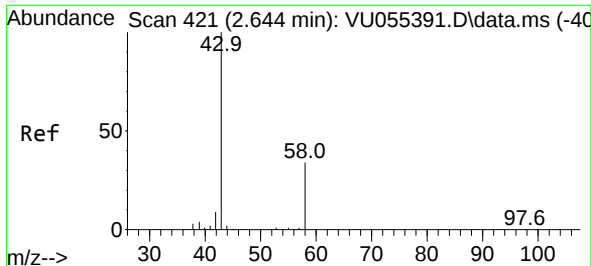
Tgt Ion:101 Resp: 19413
Ion Ratio Lower Upper
101 100
85 46.9 35.8 53.6
151 74.2 58.2 87.4



#12
1,1-Dichloroethene
Concen: 0.998 ug/L
RT: 2.579 min Scan# 401
Delta R.T. 0.003 min
Lab File: VU055390.D
Acq: 19 Sep 2023 14:05

Tgt Ion: 96 Resp: 17165
Ion Ratio Lower Upper
96 100
61 175.8 114.5 212.7
63 131.7 98.3 182.5





#13

Acetone

Concen: 9.333 ug/L

RT: 2.647 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU055390.D

Acq: 19 Sep 2023 14:05

Instrument :

MSVOA_U

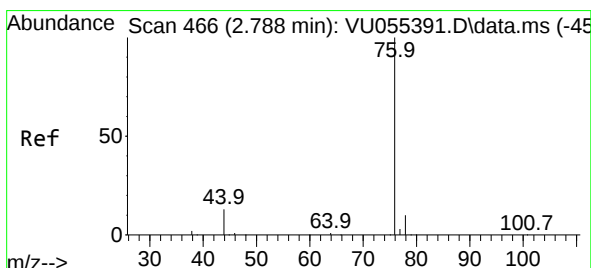
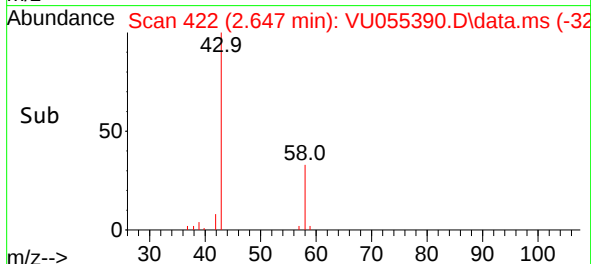
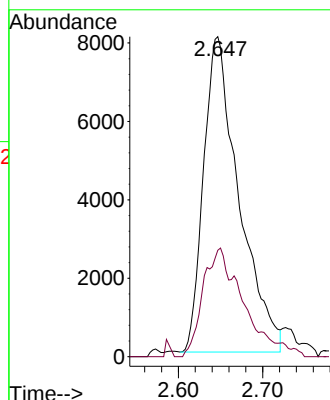
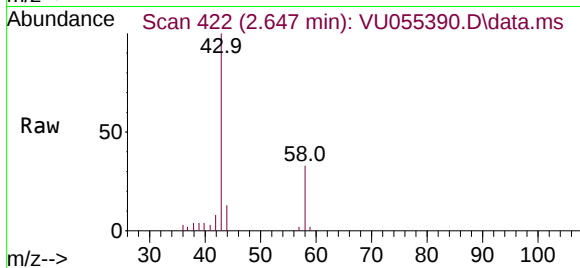
ClientSampleId :

Tgt Ion: 43 Resp: 23460

Ion Ratio Lower Upper

43 100

58 39.7 0.0 72.2



#14

Carbon disulfide

Concen: 0.964 ug/L

RT: 2.791 min Scan# 467

Delta R.T. 0.003 min

Lab File: VU055390.D

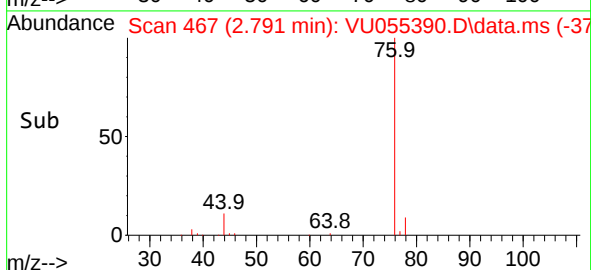
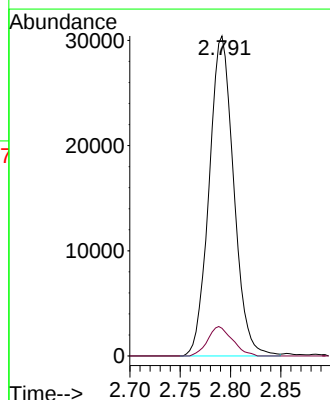
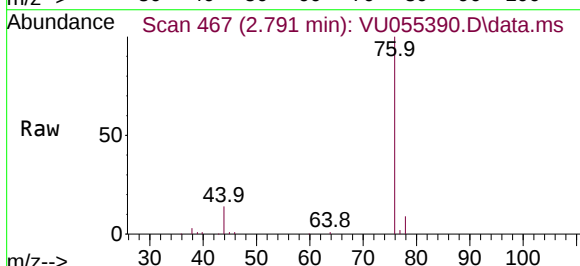
Acq: 19 Sep 2023 14:05

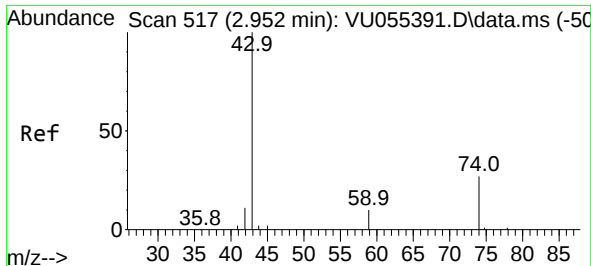
Tgt Ion: 76 Resp: 51723

Ion Ratio Lower Upper

76 100

78 8.7 7.7 11.5

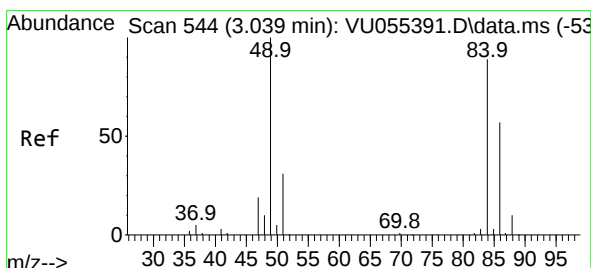
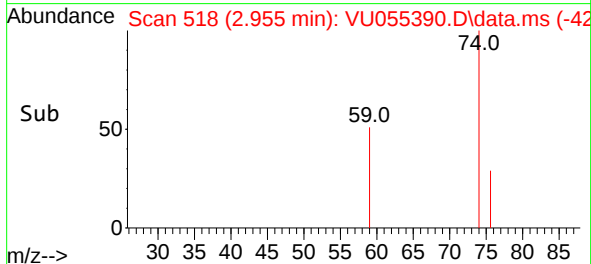
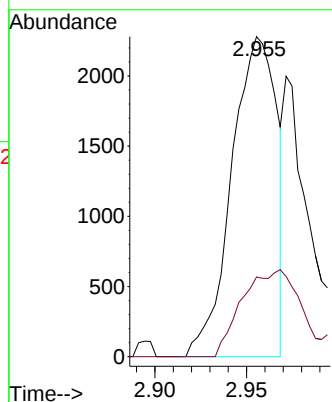
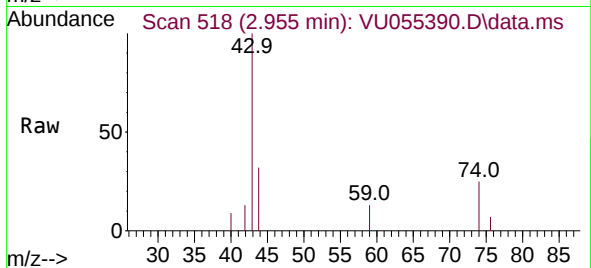




#15
Methyl Acetate
Concen: 0.655 ug/L
RT: 2.955 min Scan# 517
Delta R.T. 0.003 min
Lab File: VU055390.D
Acq: 19 Sep 2023 14:05

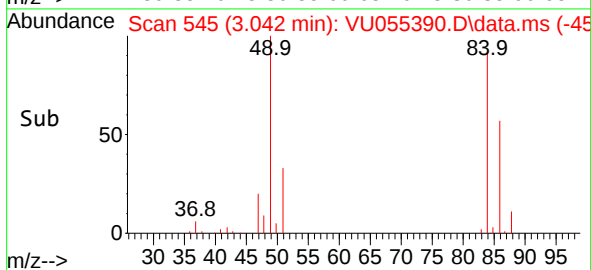
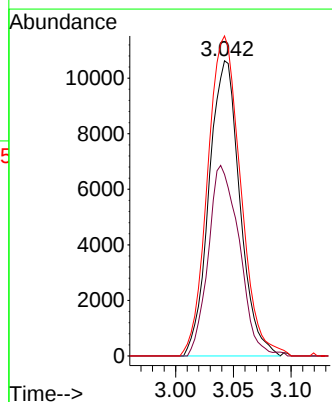
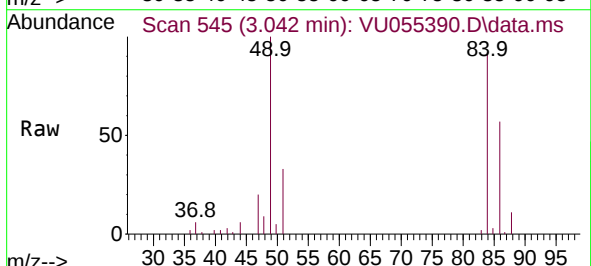
Instrument :
MSVOA_U
ClientSampleId :

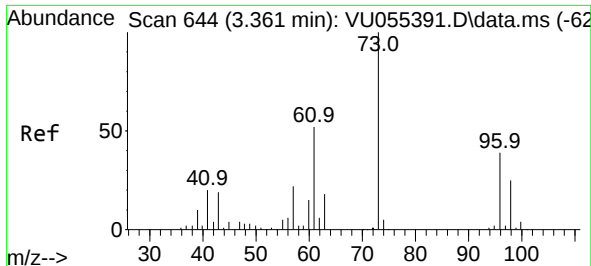
Tgt Ion: 43 Resp: 3880
Ion Ratio Lower Upper
43 100
74 35.1 22.3 33.5#



#16
Methylene chloride
Concen: 0.778 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.003 min
Lab File: VU055390.D
Acq: 19 Sep 2023 14:05

Tgt Ion: 84 Resp: 19759
Ion Ratio Lower Upper
84 100
86 62.5 44.9 83.3
49 114.0 78.8 146.3

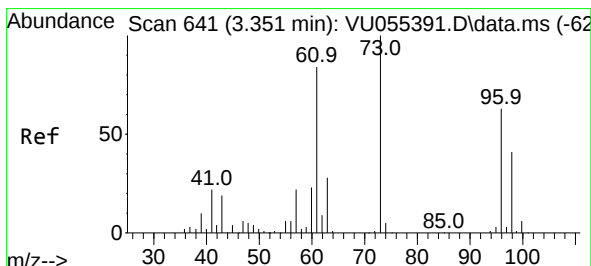
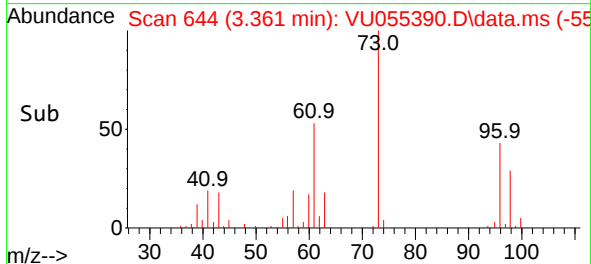
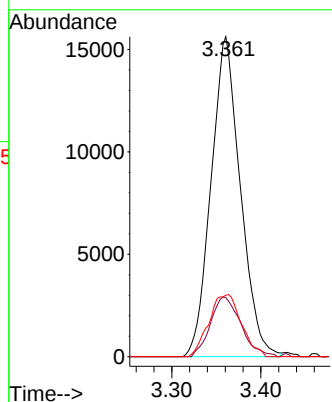
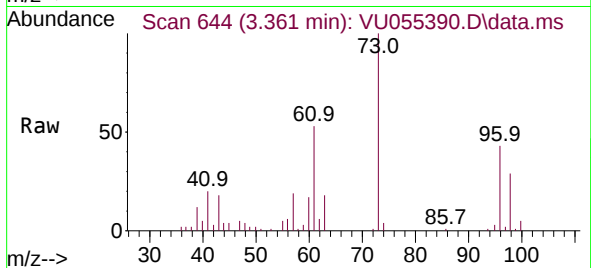




#17
Methyl tert-butyl Ether
Concen: 0.883 ug/L
RT: 3.361 min Scan# 644
Delta R.T. -0.000 min
Lab File: VU055390.D
Acq: 19 Sep 2023 14:05

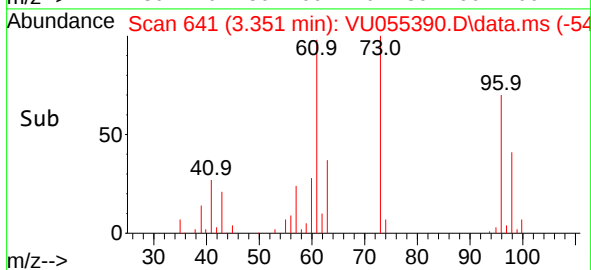
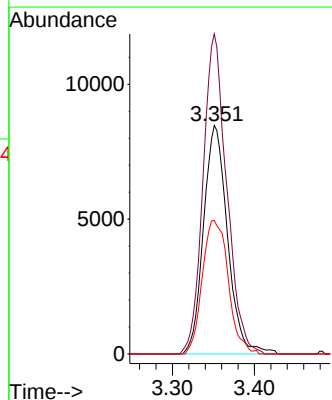
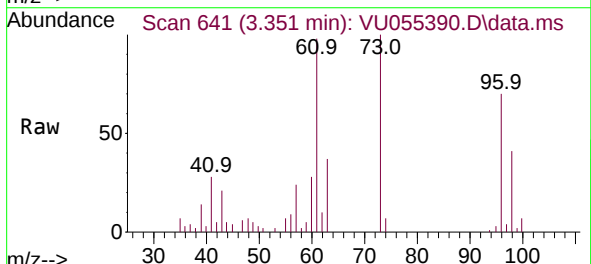
Instrument :
MSVOA_U
ClientSampleId :

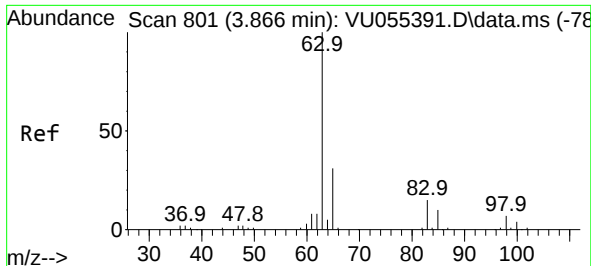
Tgt Ion: 73	Resp:	35656
Ion	Ratio	Lower Upper
73	100	
43	19.4	14.9 22.3
57	21.5	17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 0.928 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU055390.D
Acq: 19 Sep 2023 14:05

Tgt Ion: 96	Resp:	17237
Ion	Ratio	Lower Upper
96	100	
61	140.0	94.6 175.6
98	58.4	45.7 84.9

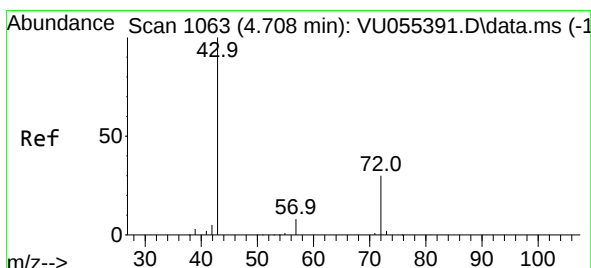
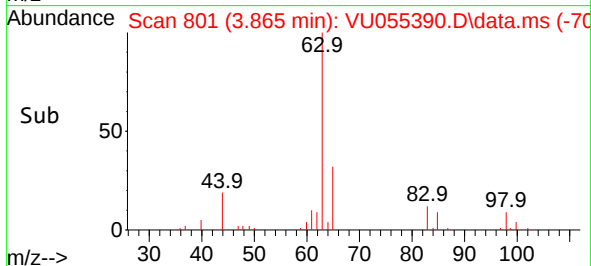
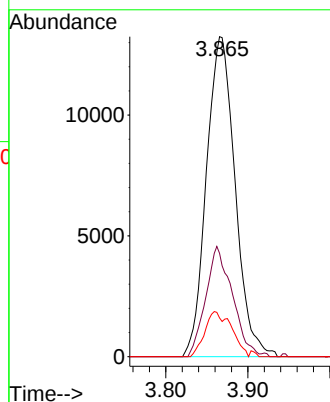
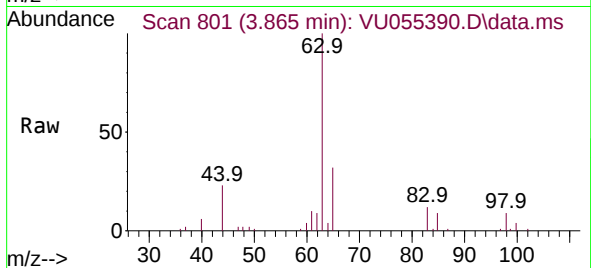




#19
1,1-Dichloroethane
Concen: 0.900 ug/L
RT: 3.865 min Scan# 801
Delta R.T. -0.000 min
Lab File: VU055390.D
Acq: 19 Sep 2023 14:05

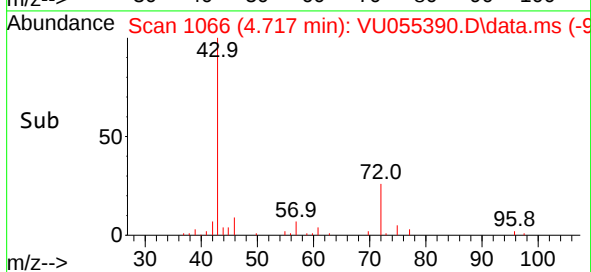
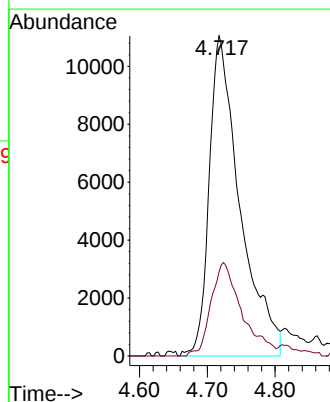
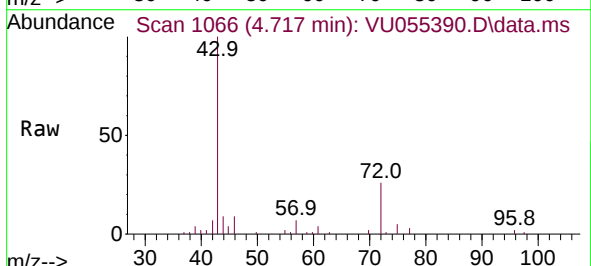
Instrument :
MSVOA_U
ClientSampleId :

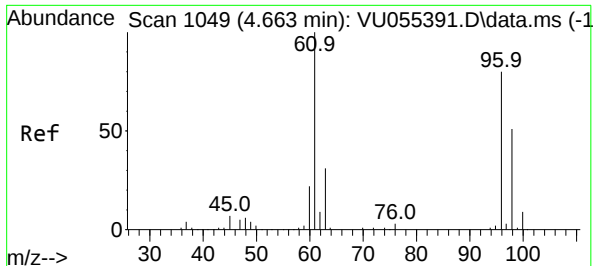
Tgt Ion: 63 Resp: 32186
Ion Ratio Lower Upper
63 100
65 32.3 22.0 41.0
83 12.1 10.1 18.9



#21
2-Butanone
Concen: 8.562 ug/L
RT: 4.717 min Scan# 1066
Delta R.T. 0.009 min
Lab File: VU055390.D
Acq: 19 Sep 2023 14:05

Tgt Ion: 43 Resp: 34845
Ion Ratio Lower Upper
43 100
72 29.4 15.1 45.3





#22

cis-1,2-Dichloroethene

Concen: 0.943 ug/L

RT: 4.666 min Scan# 1050

Delta R.T. 0.003 min

Lab File: VU055390.D

Acq: 19 Sep 2023 14:05

Instrument :

MSVOA_U

ClientSampleId :

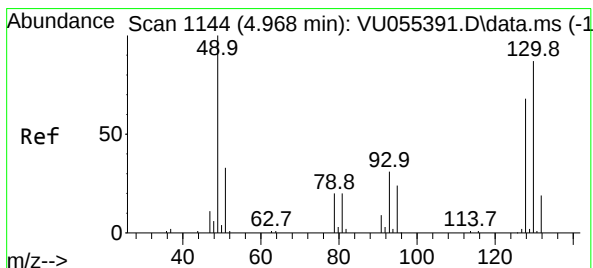
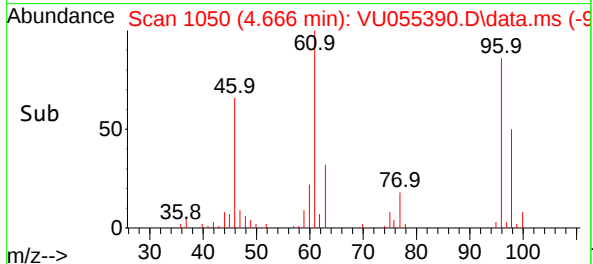
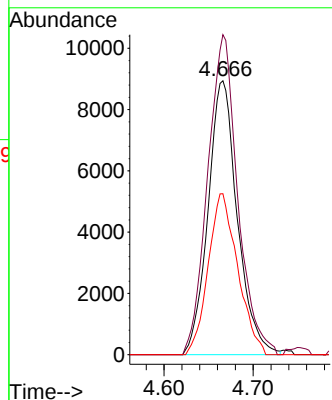
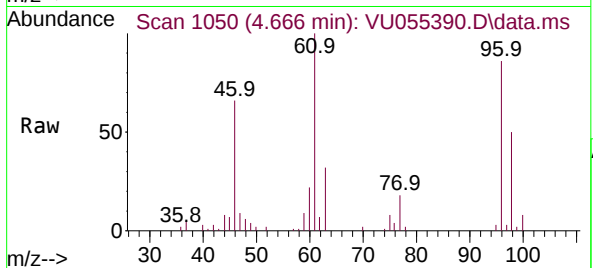
Tgt Ion: 96 Resp: 20440

Ion Ratio Lower Upper

96 100

61 116.8 87.8 163.2

98 58.8 44.4 82.4



#23

Bromochloromethane

Concen: 0.963 ug/L

RT: 4.975 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VU055390.D

Acq: 19 Sep 2023 14:05

Tgt Ion: 128 Resp: 8540

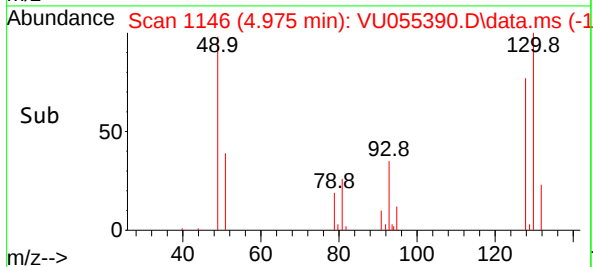
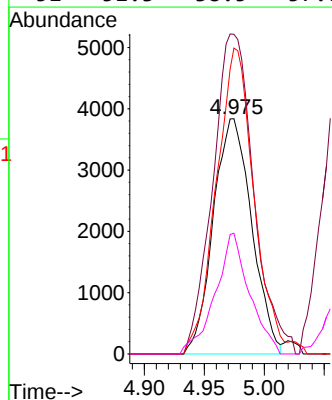
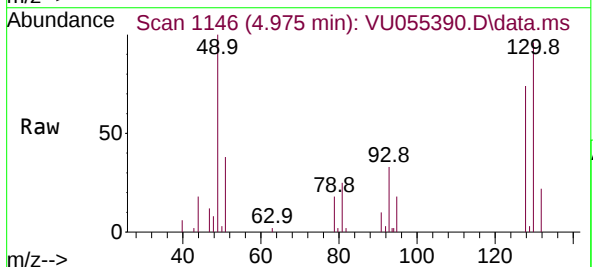
Ion Ratio Lower Upper

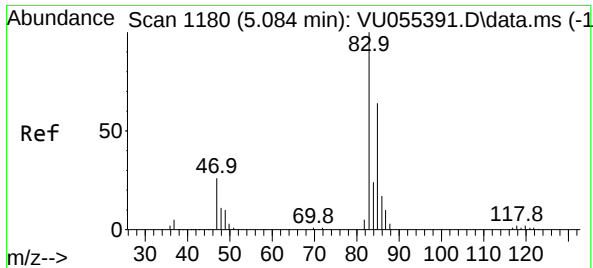
128 100

49 135.9 102.8 191.0

130 130.0 89.9 166.9

51 51.3 38.5 57.7





#25

Chloroform

Concen: 0.853 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU055390.D

Acq: 19 Sep 2023 14:05

Instrument :

MSVOA_U

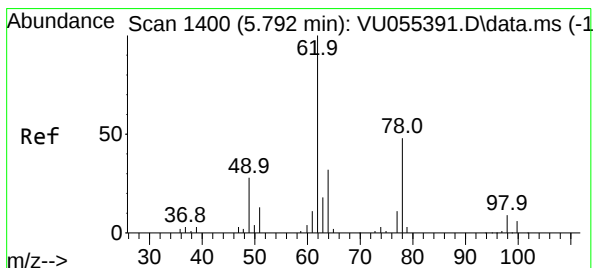
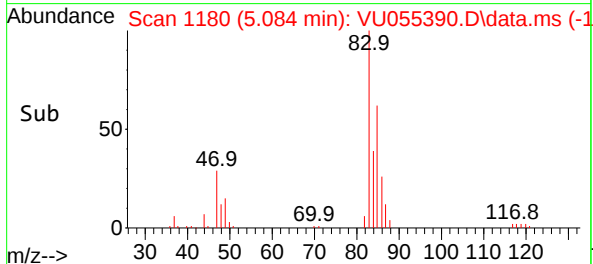
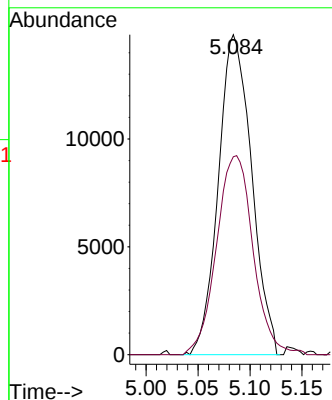
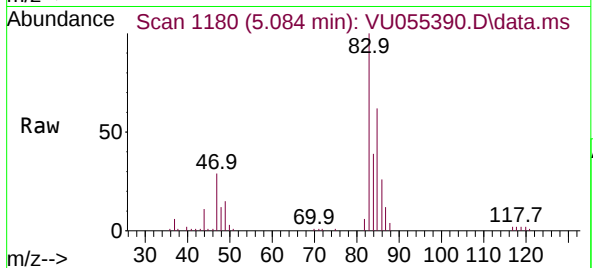
ClientSampleId :

Tgt Ion: 83 Resp: 33075

Ion Ratio Lower Upper

83 100

85 61.8 44.9 83.5



#27

1,2-Dichloroethane

Concen: 0.846 ug/L

RT: 5.795 min Scan# 1401

Delta R.T. 0.003 min

Lab File: VU055390.D

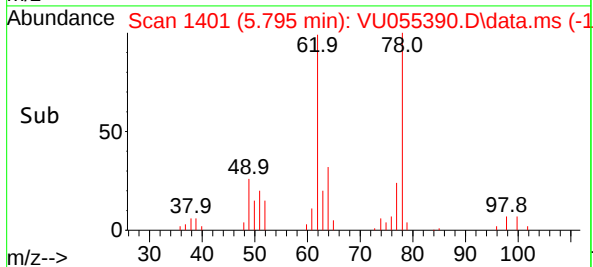
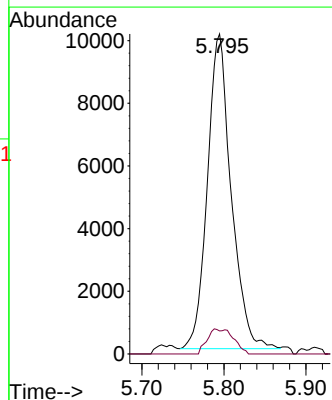
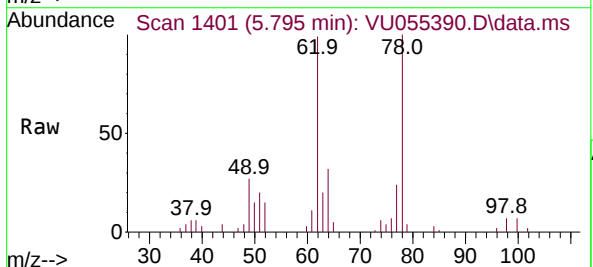
Acq: 19 Sep 2023 14:05

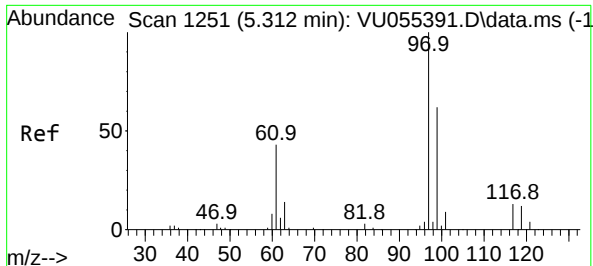
Tgt Ion: 62 Resp: 20240

Ion Ratio Lower Upper

62 100

98 7.2 7.0 10.4





#29

1,1,1-Trichloroethane

Concen: 0.900 ug/L

RT: 5.312 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU055390.D

Acq: 19 Sep 2023 14:05

Instrument :

MSVOA_U

ClientSampleId :

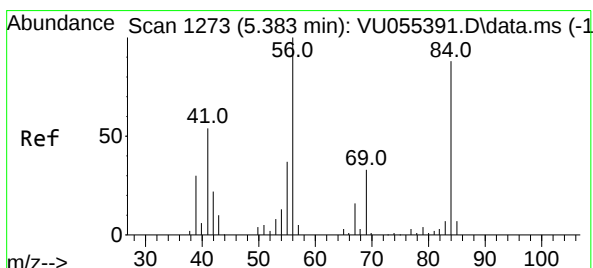
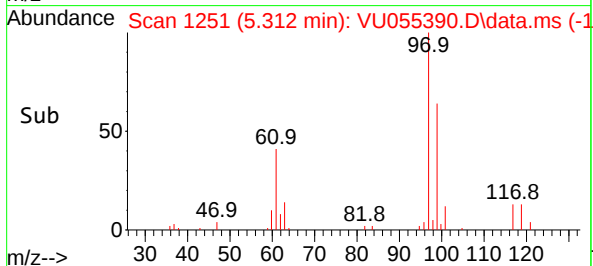
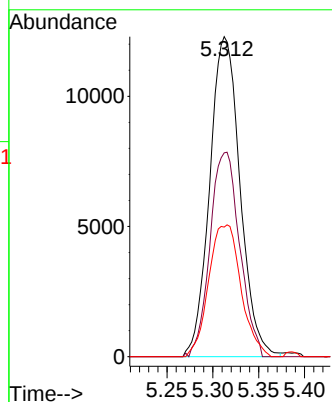
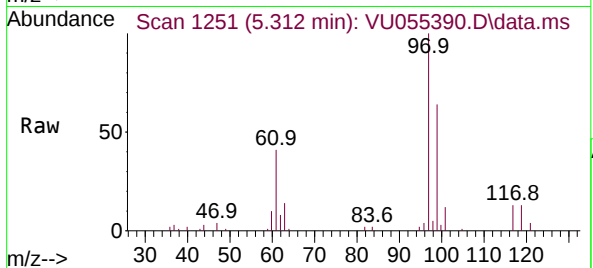
Tgt Ion: 97 Resp: 28282

Ion Ratio Lower Upper

97 100

99 62.4 50.7 76.1

61 43.8 34.6 51.8



#30

Cyclohexane

Concen: 0.849 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VU055390.D

Acq: 19 Sep 2023 14:05

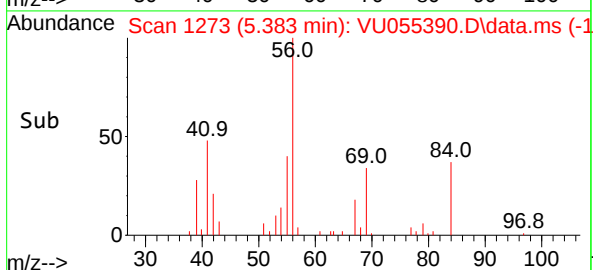
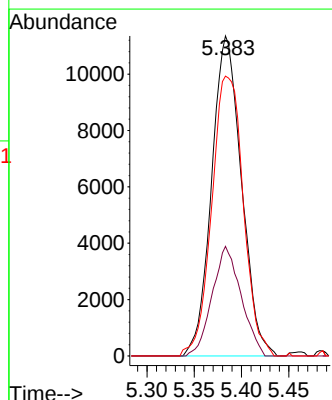
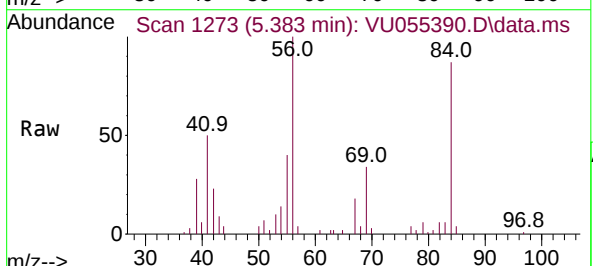
Tgt Ion: 56 Resp: 24923

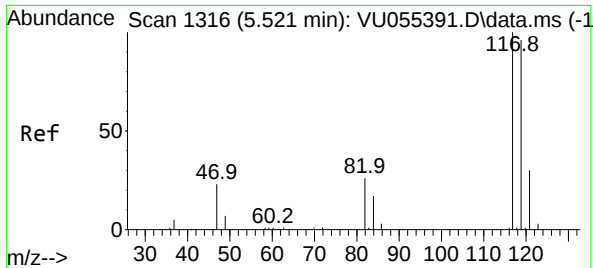
Ion Ratio Lower Upper

56 100

69 33.2 26.5 39.7

84 92.3 72.6 108.8

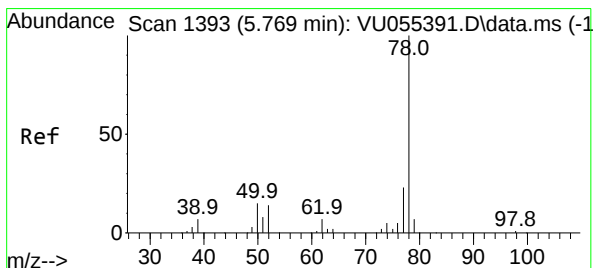
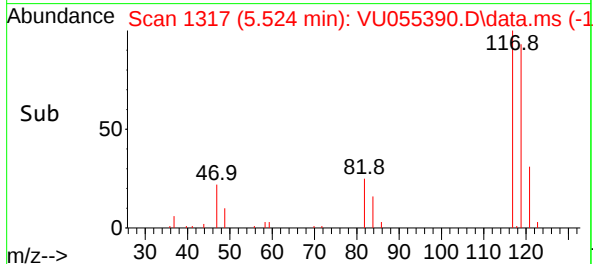
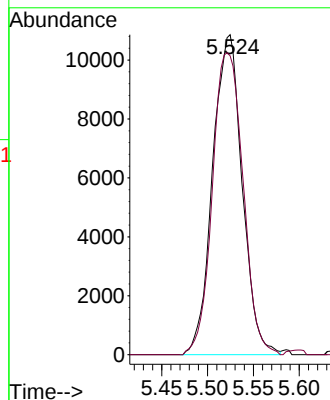
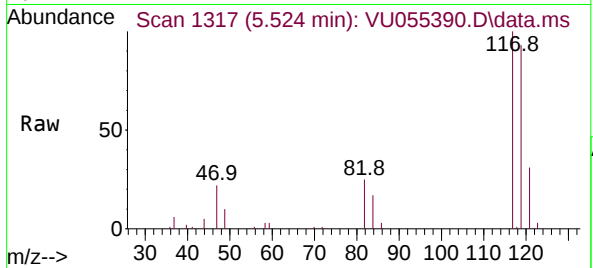




#31
Carbon tetrachloride
Concen: 0.903 ug/L
RT: 5.524 min Scan# 111
Delta R.T. 0.003 min
Lab File: VU055390.D
Acq: 19 Sep 2023 14:05

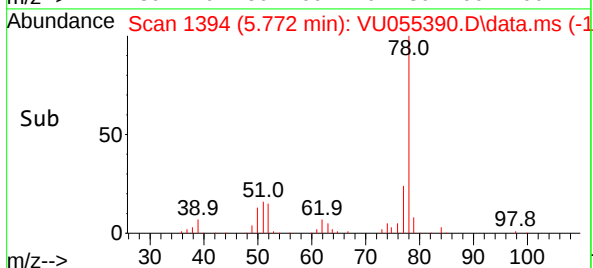
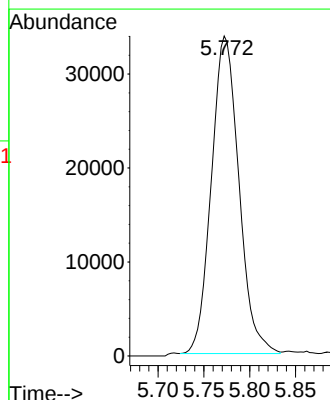
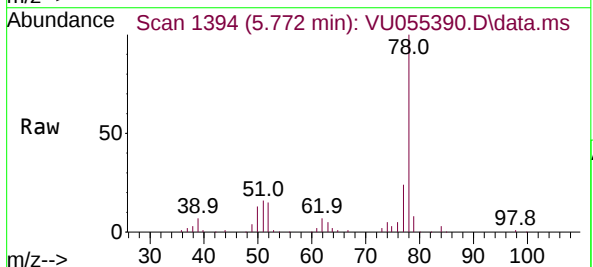
Instrument :
MSVOA_U
ClientSampleId :

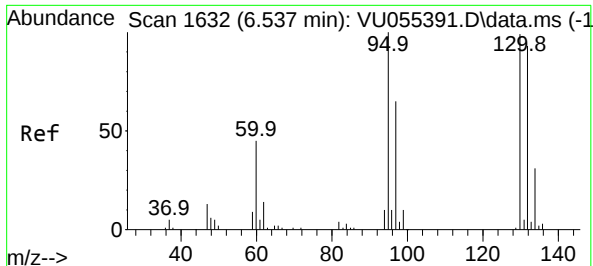
Tgt Ion:117 Resp: 24366
Ion Ratio Lower Upper
117 100
119 97.8 75.2 112.8



#33
Benzene
Concen: 0.866 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.003 min
Lab File: VU055390.D
Acq: 19 Sep 2023 14:05

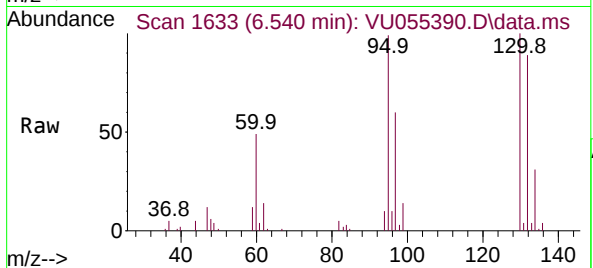
Tgt Ion: 78 Resp: 70536



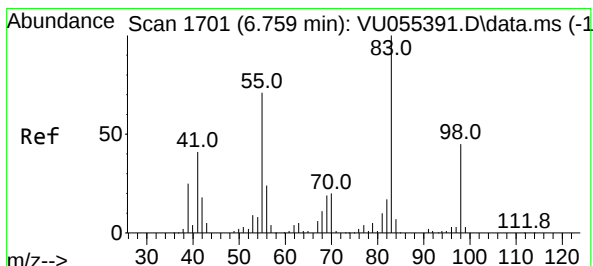
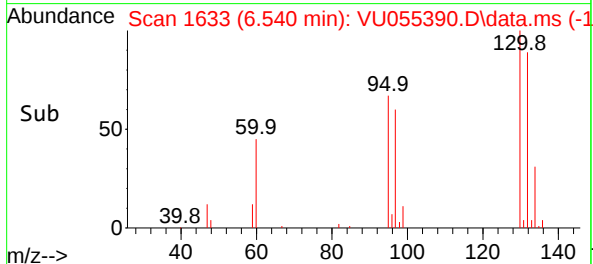
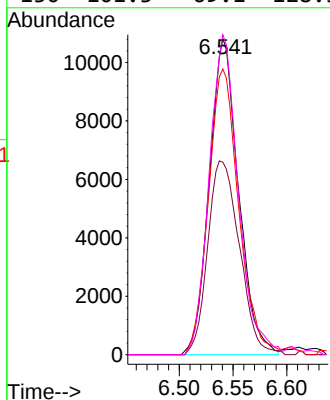


#34
Trichloroethene
Concen: 0.880 ug/L
RT: 6.540 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU055390.D
Acq: 19 Sep 2023 14:05

Instrument :
MSVOA_U
ClientSampleId :

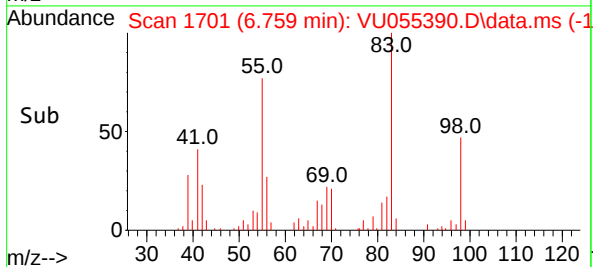
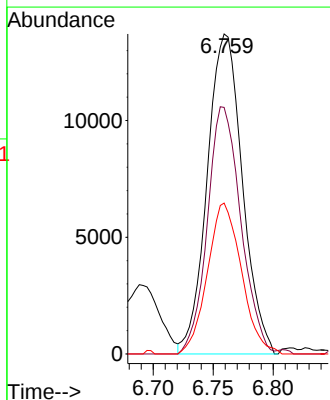
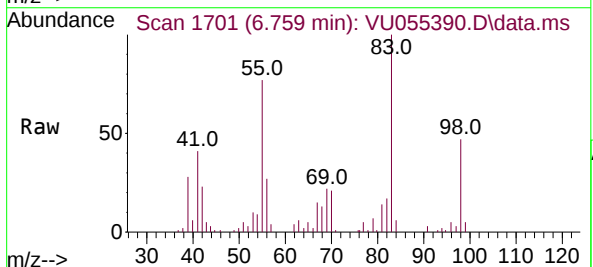


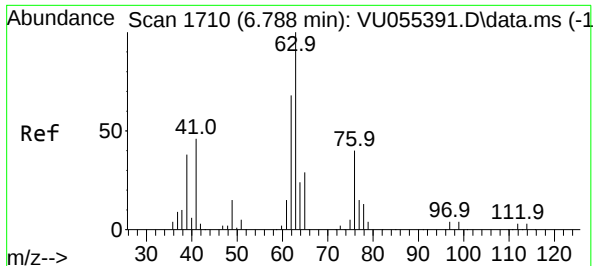
Tgt Ion: 95 Resp: 20387
Ion Ratio Lower Upper
95 100
97 60.9 45.4 84.2
132 90.4 65.2 121.2
130 101.3 69.1 128.3



#35
Methylcyclohexane
Concen: 0.836 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU055390.D
Acq: 19 Sep 2023 14:05

Tgt Ion: 83 Resp: 28016
Ion Ratio Lower Upper
83 100
55 73.5 59.1 88.7
98 45.5 36.3 54.5





#37

1,2-Dichloropropane

Concen: 0.894 ug/L

RT: 6.788 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU055390.D

Acq: 19 Sep 2023 14:05

Instrument :

MSVOA_U

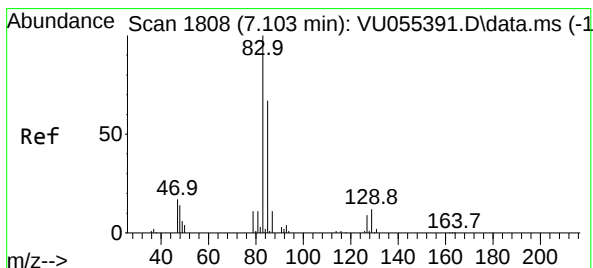
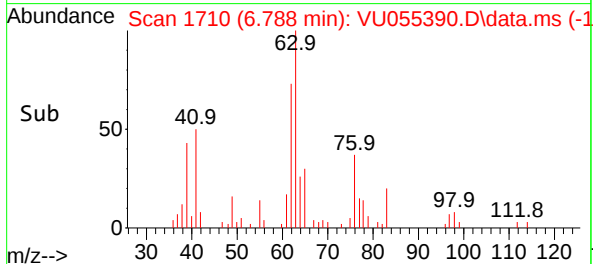
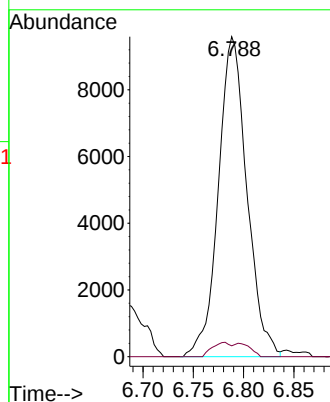
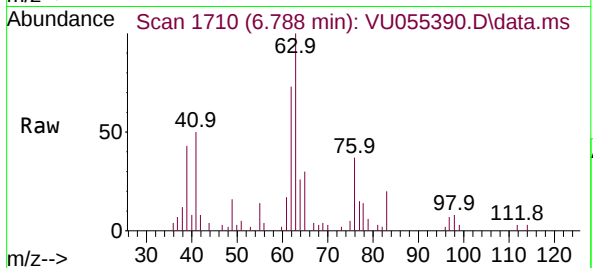
ClientSampleId :

Tgt Ion: 63 Resp: 18950

Ion Ratio Lower Upper

63 100

112 2.4 3.0 4.6#



#38

Bromodichloromethane

Concen: 0.829 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. -0.000 min

Lab File: VU055390.D

Acq: 19 Sep 2023 14:05

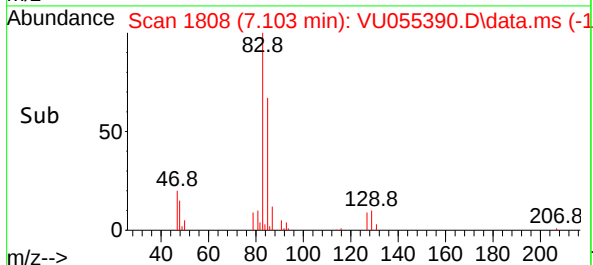
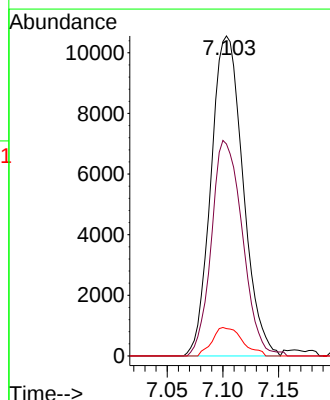
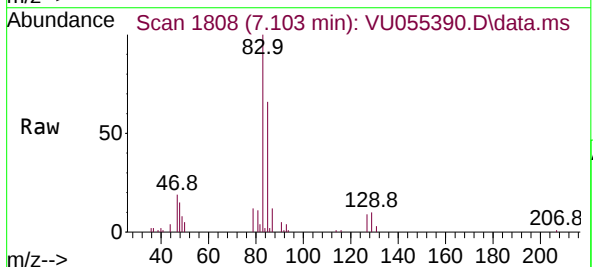
Tgt Ion: 83 Resp: 21131

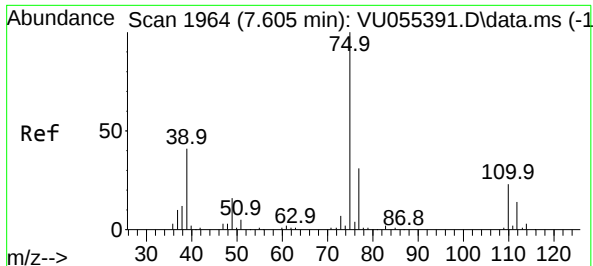
Ion Ratio Lower Upper

83 100

85 66.3 46.8 86.8

127 8.6 7.2 10.8

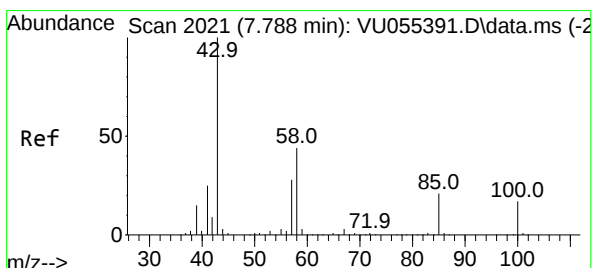
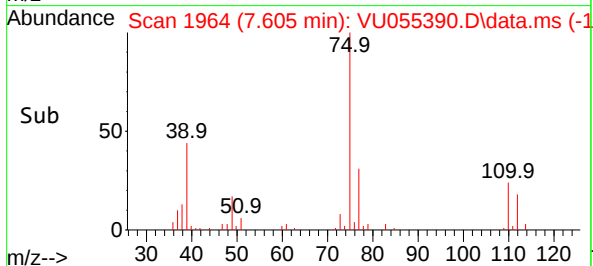
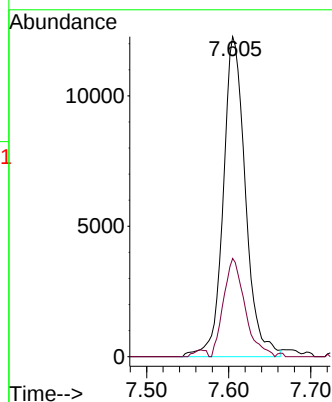
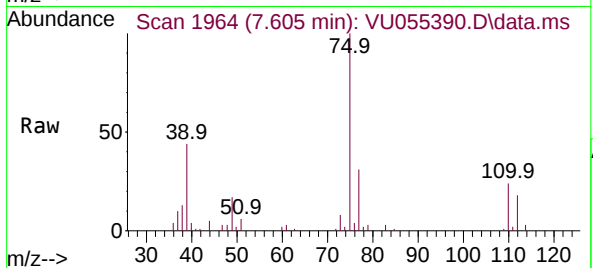




#39
 cis-1,3-Dichloropropene
 Concen: 0.790 ug/L
 RT: 7.605 min Scan# 1964
 Delta R.T. -0.000 min
 Lab File: VU055390.D
 Acq: 19 Sep 2023 14:05

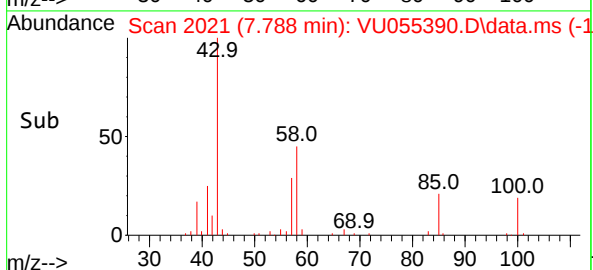
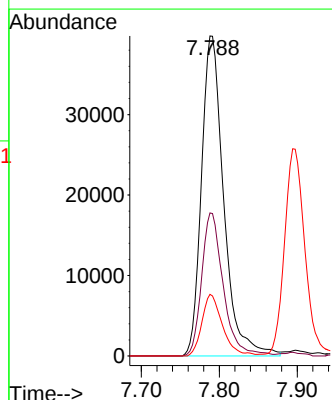
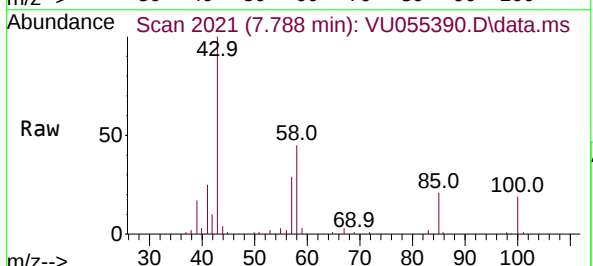
Instrument :
 MSVOA_U
 ClientSampleId :

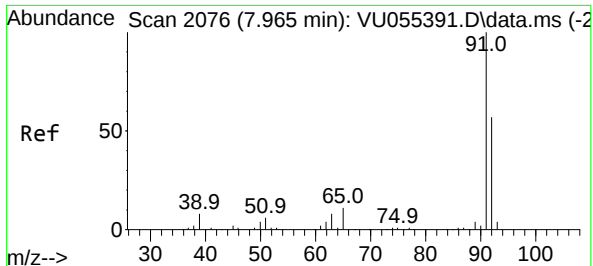
Tgt Ion: 75 Resp: 23053
 Ion Ratio Lower Upper
 75 100
 77 30.7 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 7.863 ug/L
 RT: 7.788 min Scan# 2021
 Delta R.T. -0.000 min
 Lab File: VU055390.D
 Acq: 19 Sep 2023 14:05

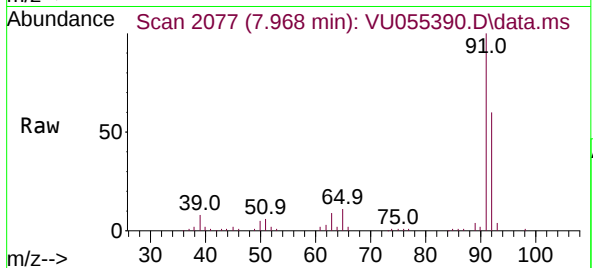
Tgt Ion: 43 Resp: 78990
 Ion Ratio Lower Upper
 43 100
 58 43.3 34.2 51.4
 100 17.8 13.4 20.0



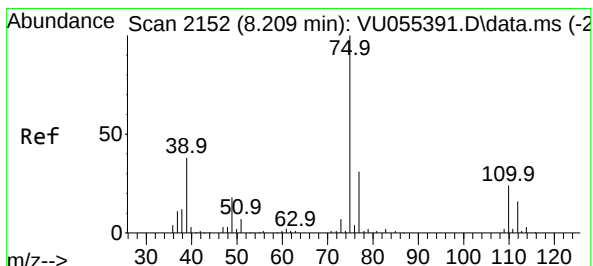
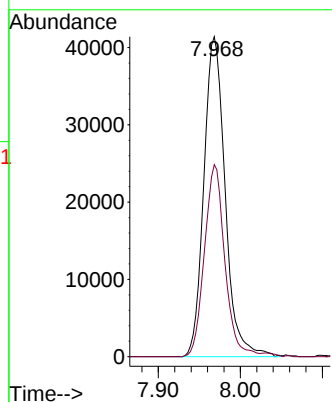
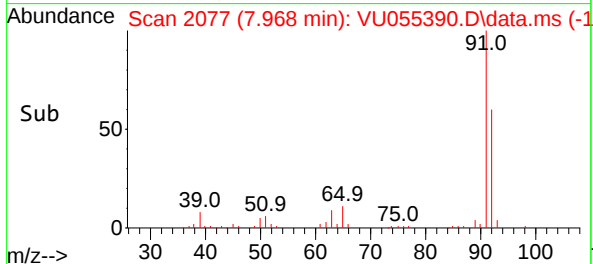


#42
Toluene
Concen: 0.844 ug/L
RT: 7.968 min Scan# 2076
Delta R.T. 0.003 min
Lab File: VU055390.D
Acq: 19 Sep 2023 14:05

Instrument :
MSVOA_U
ClientSampleId :

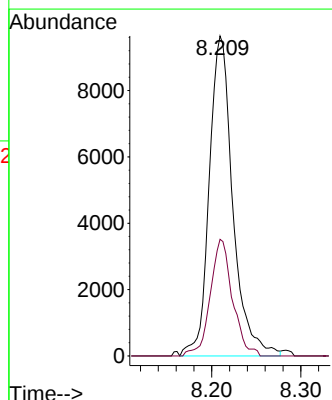
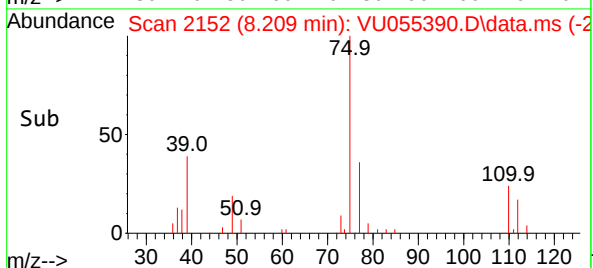
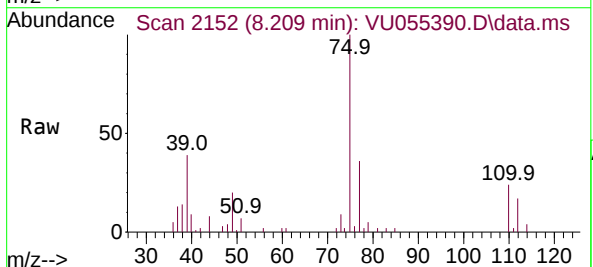


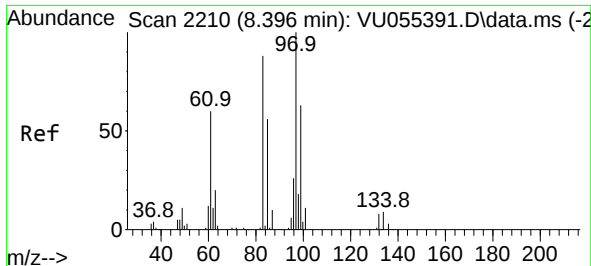
Tgt Ion: 91 Resp: 74767
Ion Ratio Lower Upper
91 100
92 60.0 40.3 74.8



#44
trans-1,3-Dichloropropene
Concen: 0.774 ug/L
RT: 8.209 min Scan# 2152
Delta R.T. -0.000 min
Lab File: VU055390.D
Acq: 19 Sep 2023 14:05

Tgt Ion: 75 Resp: 17715
Ion Ratio Lower Upper
75 100
77 36.4 21.8 40.4



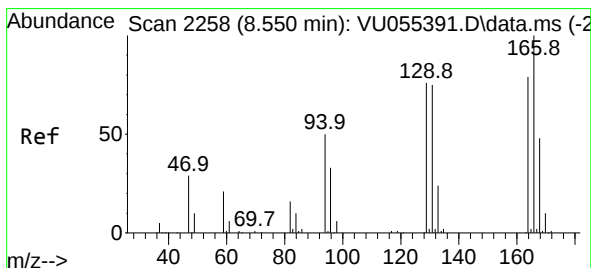
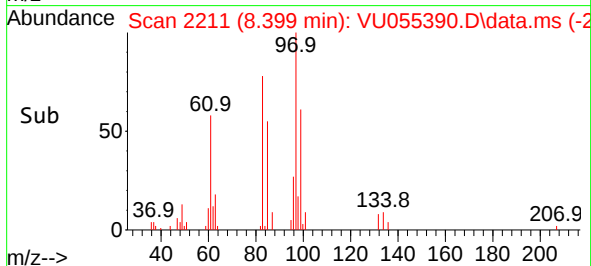
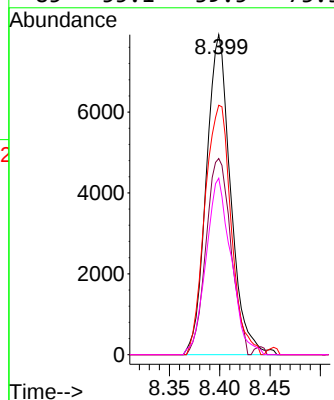
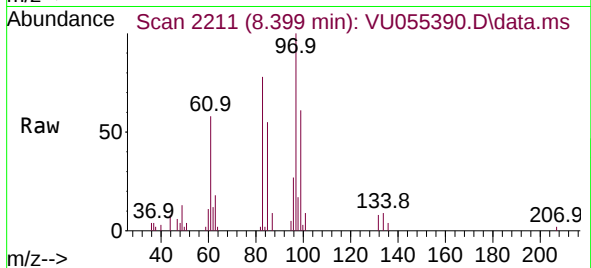


#45
1,1,2-Trichloroethane
Concen: 0.890 ug/L
RT: 8.399 min Scan# 211
Delta R.T. 0.003 min
Lab File: VU055390.D
Acq: 19 Sep 2023 14:05

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 13289

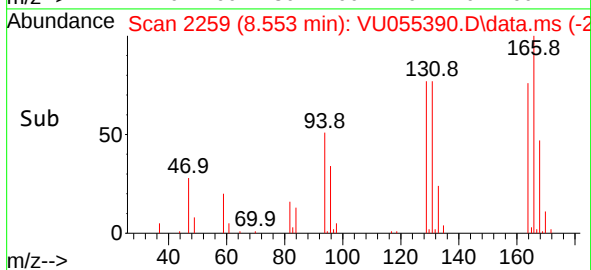
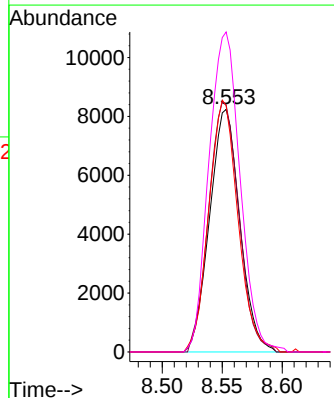
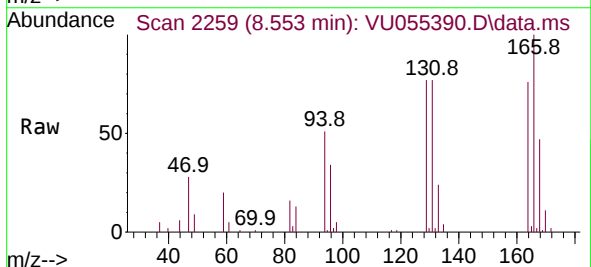
Ion	Ratio	Lower	Upper
97	100		
99	61.3	44.1	81.9
83	78.0	61.5	114.1
85	55.1	39.5	73.3

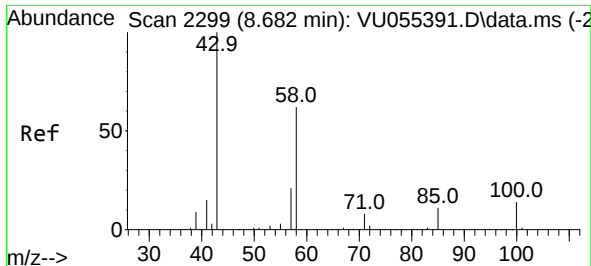


#47
Tetrachloroethene
Concen: 0.890 ug/L
RT: 8.553 min Scan# 2259
Delta R.T. 0.003 min
Lab File: VU055390.D
Acq: 19 Sep 2023 14:05

Tgt Ion: 164 Resp: 14388

Ion	Ratio	Lower	Upper
164	100		
129	101.9	67.4	125.2
131	101.5	66.4	123.2
166	131.9	88.8	165.0





#48

2-Hexanone

Concen: 7.967 ug/L

RT: 8.685 min Scan# 21

Delta R.T. 0.003 min

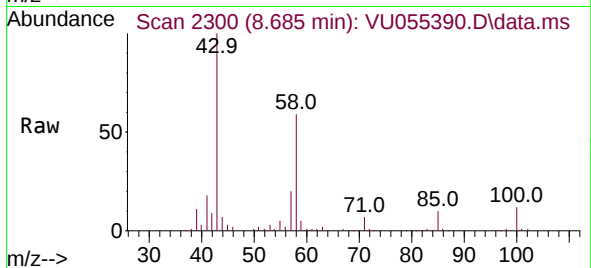
Lab File: VU055390.D

Acq: 19 Sep 2023 14:05

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 60284

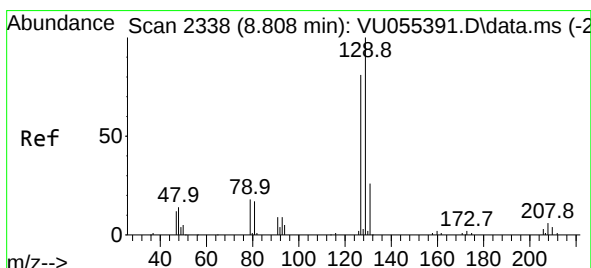
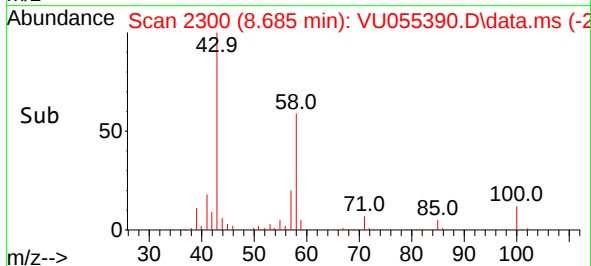
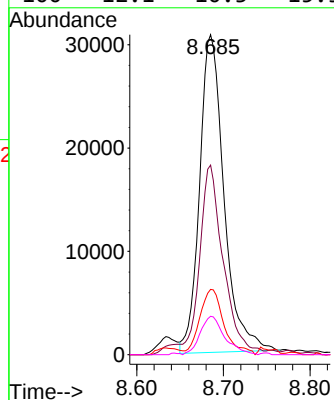
Ion Ratio Lower Upper

43 100

58 59.9 48.5 72.7

57 20.3 17.0 25.4

100 12.1 10.3 15.5



#49

Dibromochloromethane

Concen: 0.885 ug/L

RT: 8.807 min Scan# 2338

Delta R.T. -0.000 min

Lab File: VU055390.D

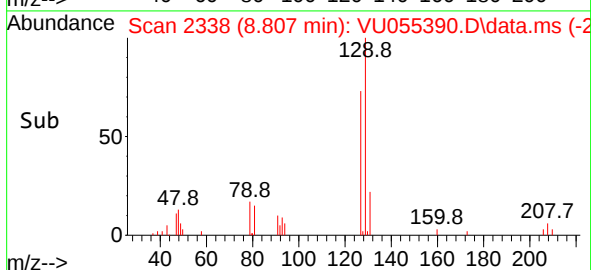
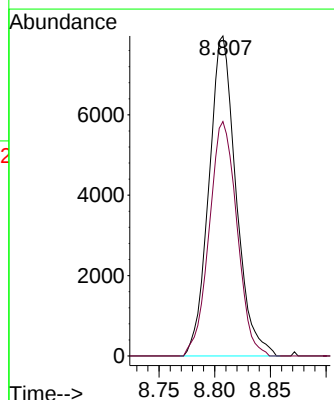
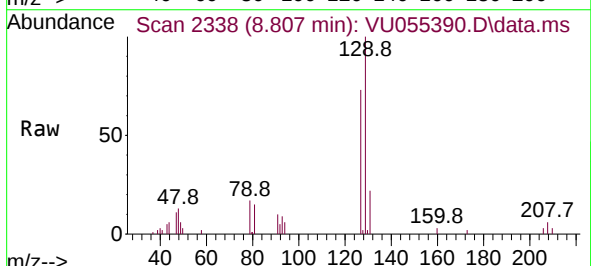
Acq: 19 Sep 2023 14:05

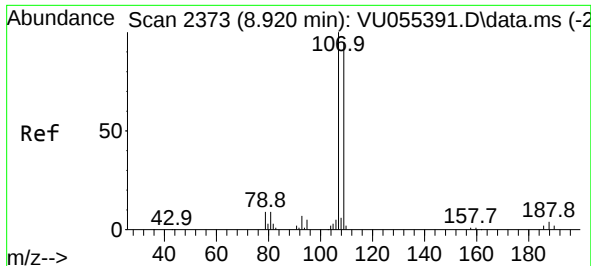
Tgt Ion: 129 Resp: 13501

Ion Ratio Lower Upper

129 100

127 73.3 56.8 105.6





#50

1,2-Dibromoethane

Concen: 0.854 ug/L

RT: 8.923 min Scan# 21

Delta R.T. 0.003 min

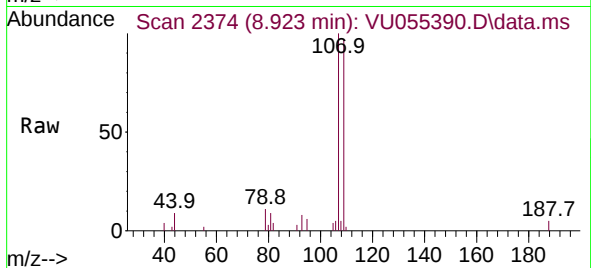
Lab File: VU055390.D

Acq: 19 Sep 2023 14:05

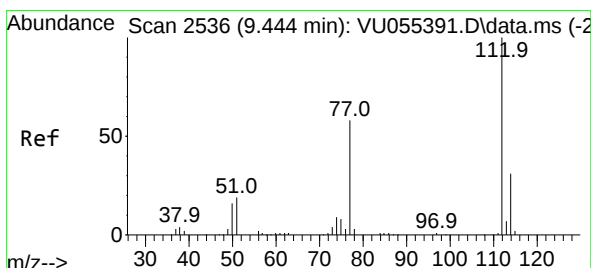
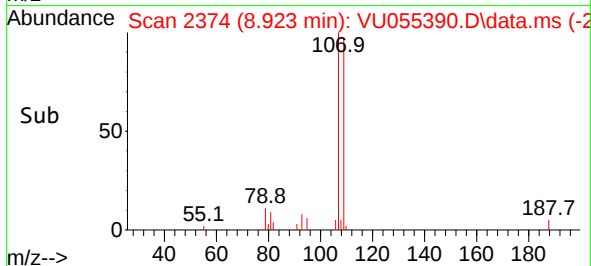
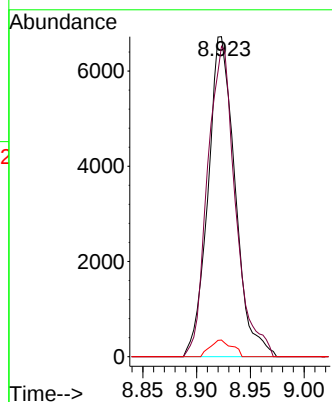
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	107	Resp:	11770
Ion	Ratio	Lower	Upper
107	100		
109	97.0	66.1	122.8
188	5.2	3.2	4.8#



#51

Chlorobenzene

Concen: 0.863 ug/L

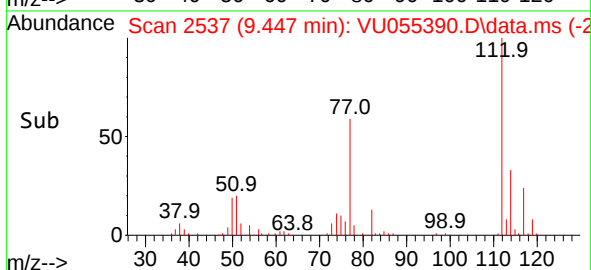
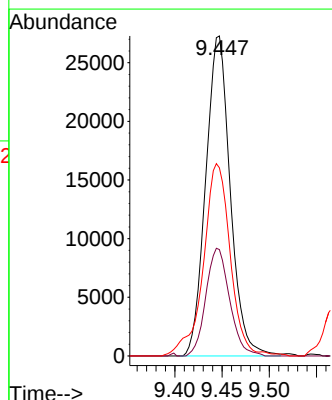
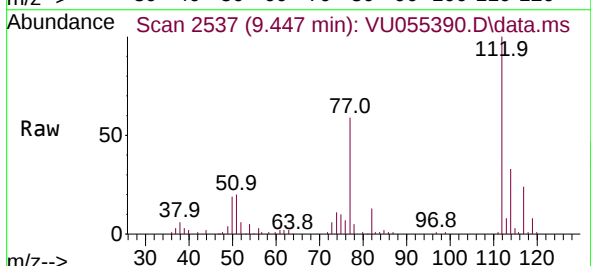
RT: 9.447 min Scan# 2537

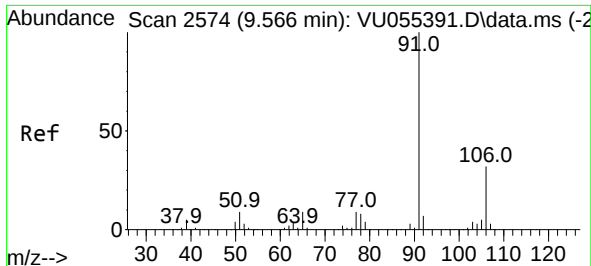
Delta R.T. 0.003 min

Lab File: VU055390.D

Acq: 19 Sep 2023 14:05

Tgt Ion:	112	Resp:	49321
Ion	Ratio	Lower	Upper
112	100		
114	33.2	22.0	40.8
77	58.8	46.9	70.3





#52

Ethylbenzene

Concen: 0.819 ug/L

RT: 9.569 min Scan# 2

Delta R.T. 0.003 min

Lab File: VU055390.D

Acq: 19 Sep 2023 14:05

Instrument :

MSVOA_U

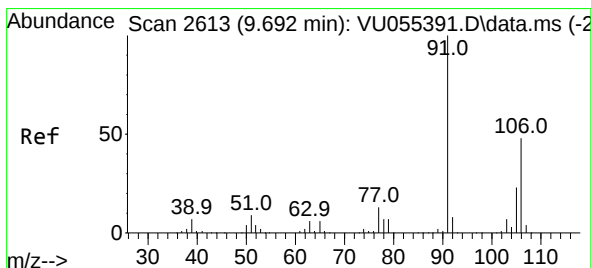
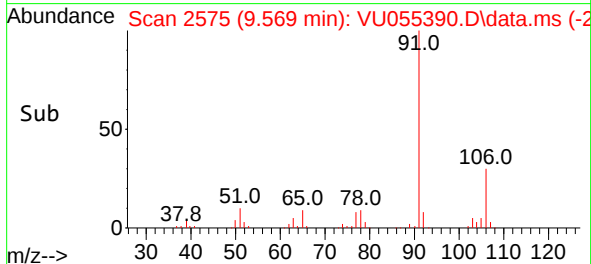
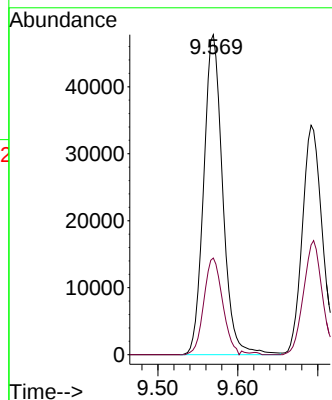
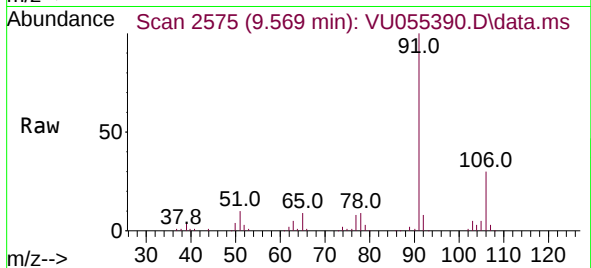
ClientSampleId :

Tgt Ion: 91 Resp: 79050

Ion Ratio Lower Upper

91 100

106 30.2 22.4 41.6



#53

m,p-Xylene

Concen: 0.774 ug/L

RT: 9.695 min Scan# 2614

Delta R.T. 0.003 min

Lab File: VU055390.D

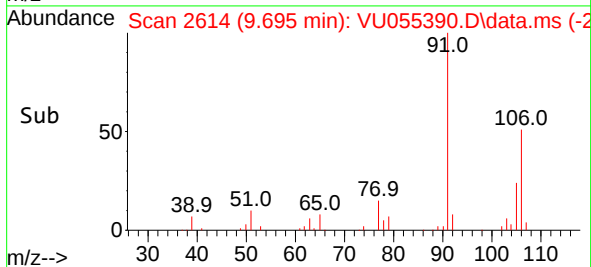
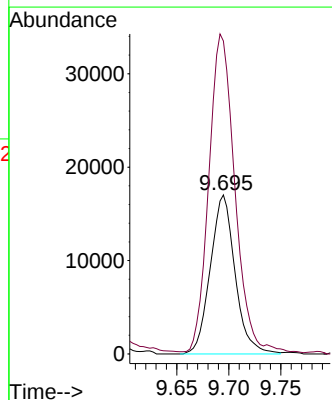
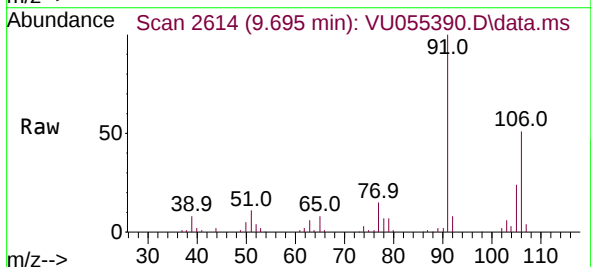
Acq: 19 Sep 2023 14:05

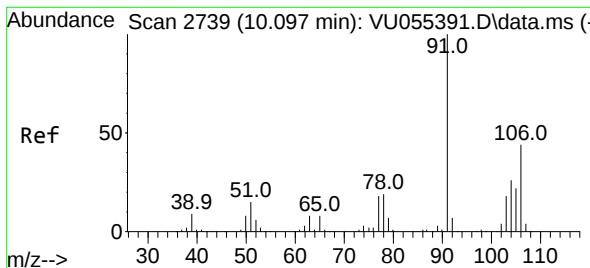
Tgt Ion:106 Resp: 28223

Ion Ratio Lower Upper

106 100

91 196.7 144.8 269.0





#54

o-Xylene

Concen: 0.811 ug/L

RT: 10.100 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU055390.D

Acq: 19 Sep 2023 14:05

Instrument :

MSVOA_U

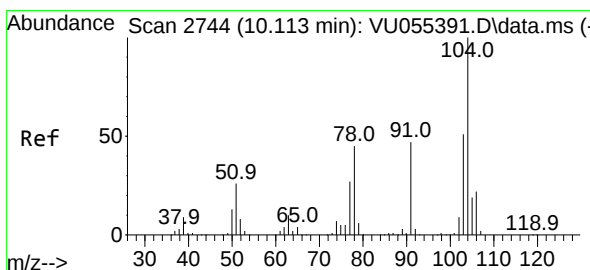
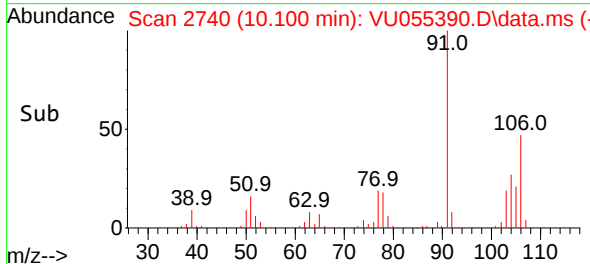
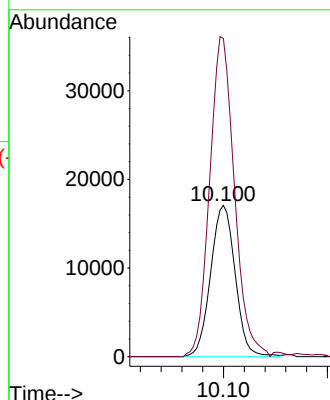
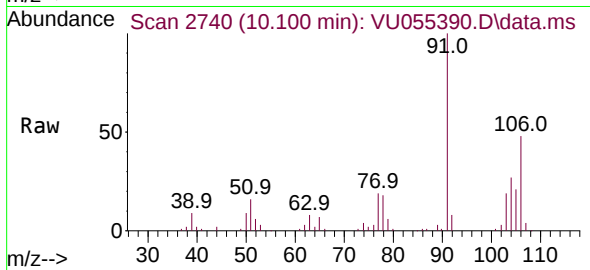
ClientSampleId :

Tgt Ion:106 Resp: 27982

Ion Ratio Lower Upper

106 100

91 210.3 157.6 292.8



#55

Styrene

Concen: 0.723 ug/L

RT: 10.116 min Scan# 2745

Delta R.T. 0.003 min

Lab File: VU055390.D

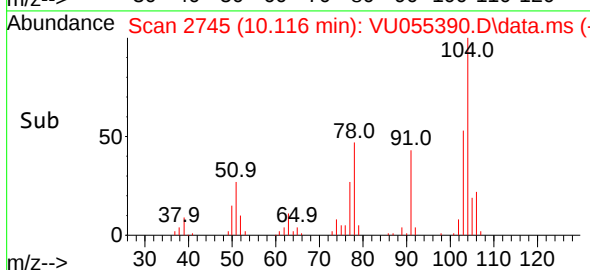
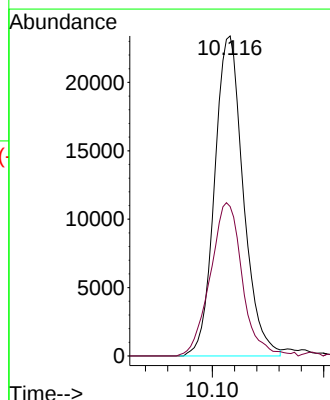
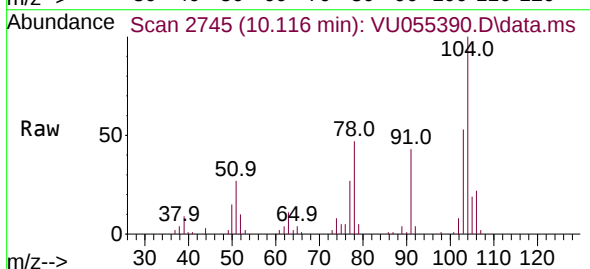
Acq: 19 Sep 2023 14:05

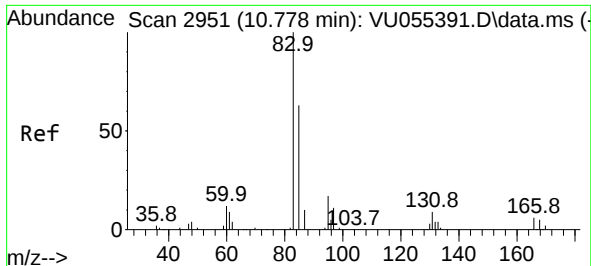
Tgt Ion:104 Resp: 41862

Ion Ratio Lower Upper

104 100

78 46.7 31.2 58.0





#57

1,1,2,2-Tetrachloroethane

Concen: 0.849 ug/L

RT: 10.781 min Scan# 2951

Delta R.T. 0.003 min

Lab File: VU055390.D

Acq: 19 Sep 2023 14:05

Instrument :

MSVOA_U

ClientSampleId :

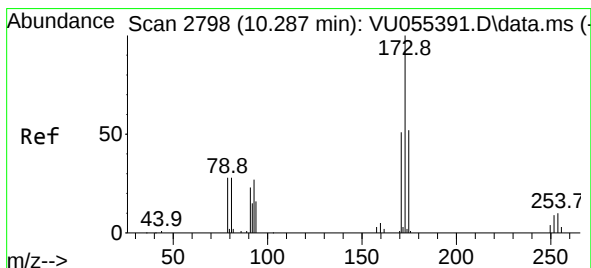
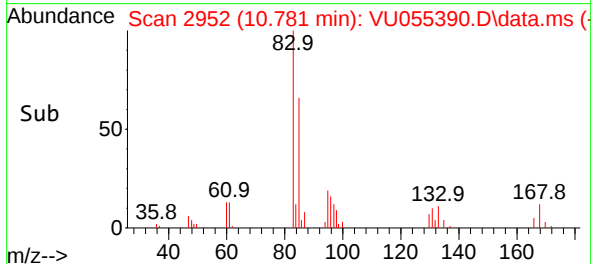
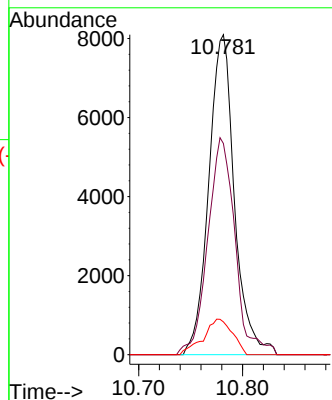
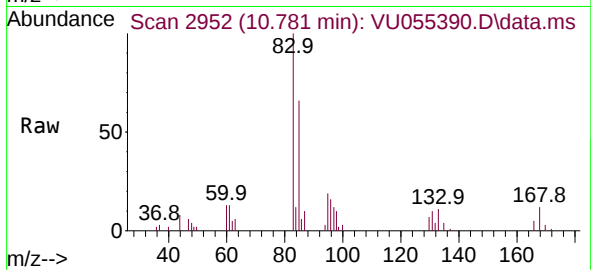
Tgt Ion: 83 Resp: 13916

Ion Ratio Lower Upper

83 100

85 71.7 44.4 82.5

131 10.3 7.4 11.2



#59

Bromoform

Concen: 0.866 ug/L

RT: 10.290 min Scan# 2799

Delta R.T. 0.003 min

Lab File: VU055390.D

Acq: 19 Sep 2023 14:05

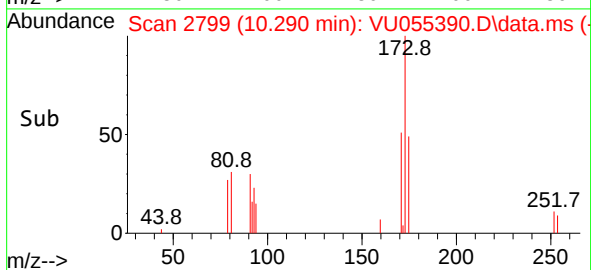
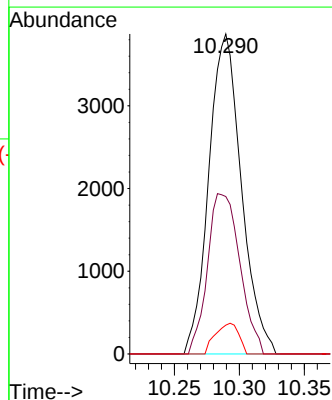
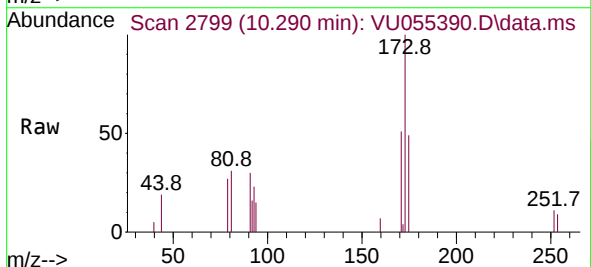
Tgt Ion:173 Resp: 6745

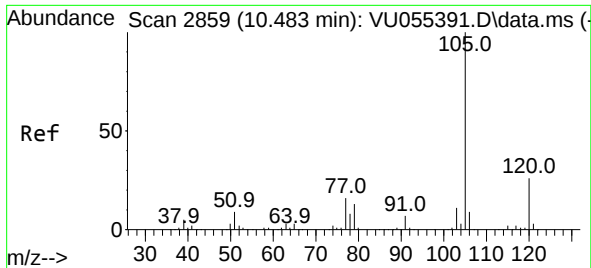
Ion Ratio Lower Upper

173 100

175 49.7 39.4 59.2

254 6.8 7.3 10.9#

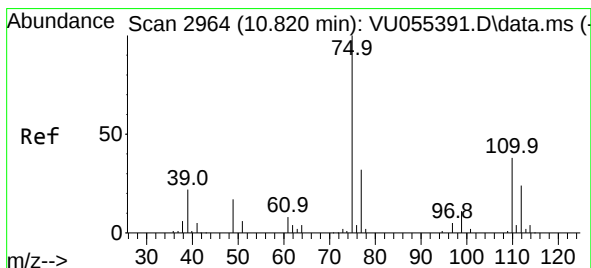
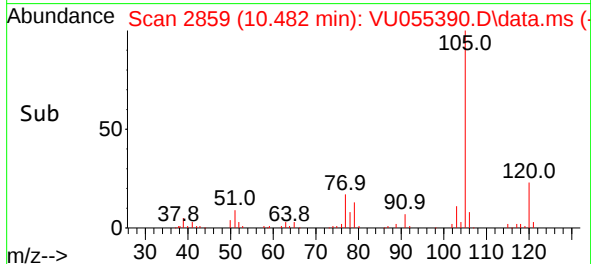
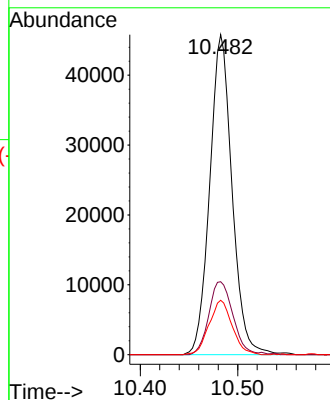
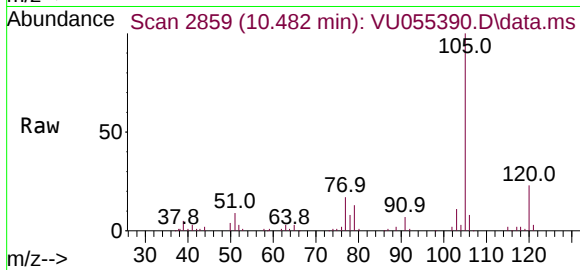




#60
Isopropylbenzene
Concen: 0.769 ug/L
RT: 10.482 min Scan# 2859
Delta R.T. -0.000 min
Lab File: VU055390.D
Acq: 19 Sep 2023 14:05

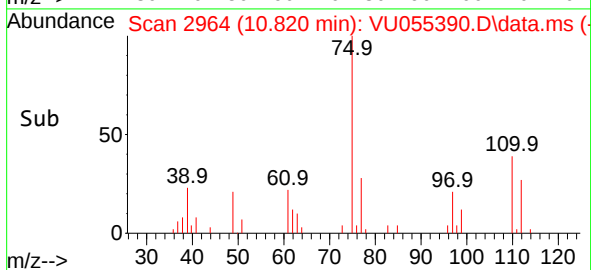
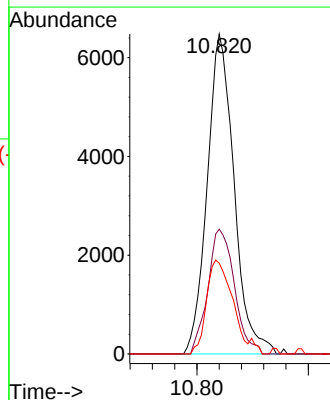
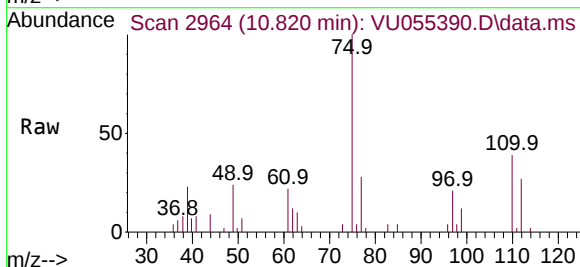
Instrument :
MSVOA_U
ClientSampleId :

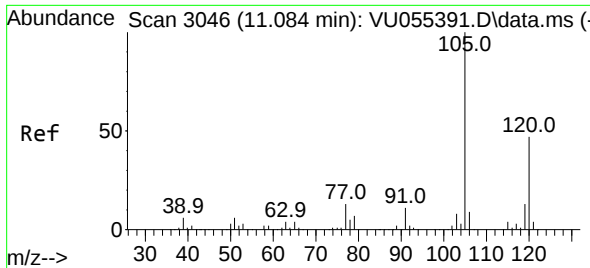
Tgt Ion:105 Resp: 72749
Ion Ratio Lower Upper
105 100
120 24.8 20.8 31.2
77 17.6 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 0.854 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. -0.000 min
Lab File: VU055390.D
Acq: 19 Sep 2023 14:05

Tgt Ion: 75 Resp: 10849
Ion Ratio Lower Upper
75 100
110 38.6 30.6 45.8
77 29.1 26.7 40.1

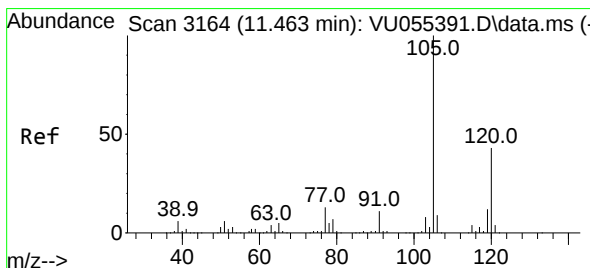
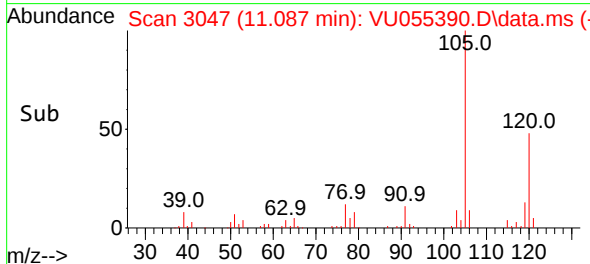
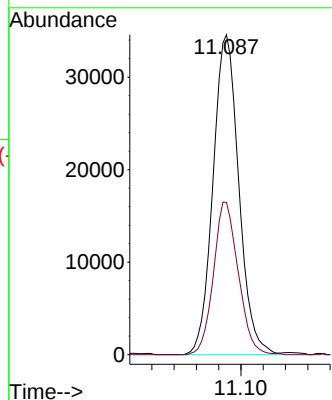
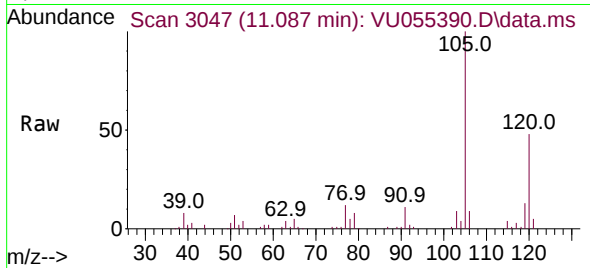




#62
1,3,5-Trimethylbenzene
Concen: 0.762 ug/L
RT: 11.087 min Scan# 3047
Delta R.T. 0.003 min
Lab File: VU055390.D
Acq: 19 Sep 2023 14:05

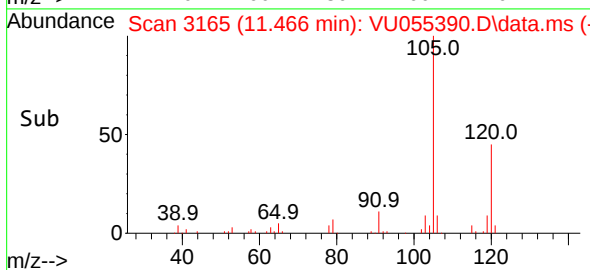
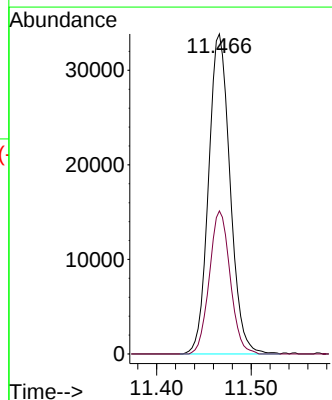
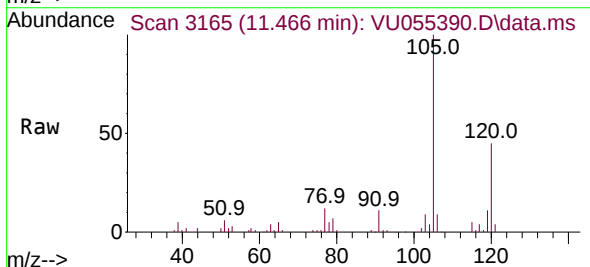
Instrument :
MSVOA_U
ClientSampleId :

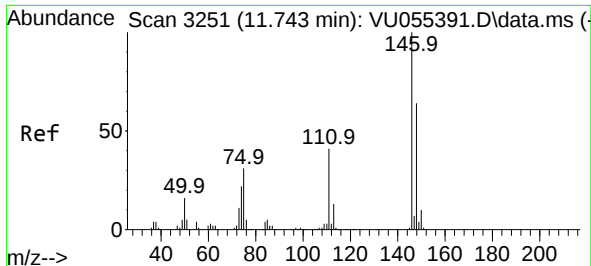
Tgt Ion:105 Resp: 55638
Ion Ratio Lower Upper
105 100
120 45.8 38.1 57.1



#63
1,2,4-Trimethylbenzene
Concen: 0.726 ug/L
RT: 11.466 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VU055390.D
Acq: 19 Sep 2023 14:05

Tgt Ion:105 Resp: 53554
Ion Ratio Lower Upper
105 100
120 43.1 34.9 52.3

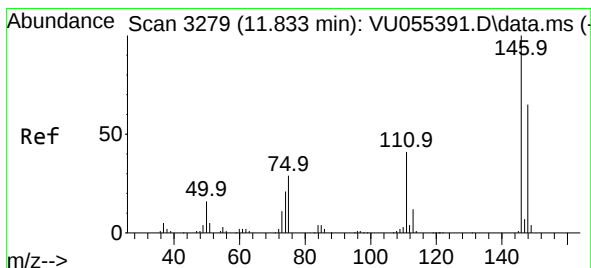
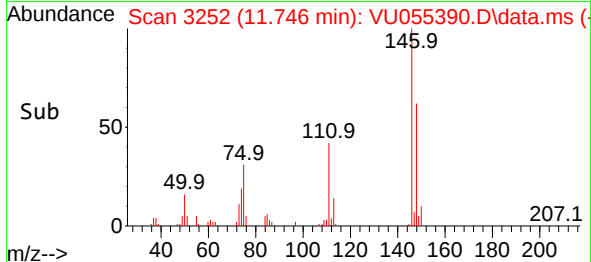
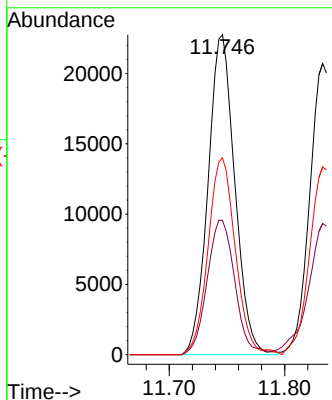
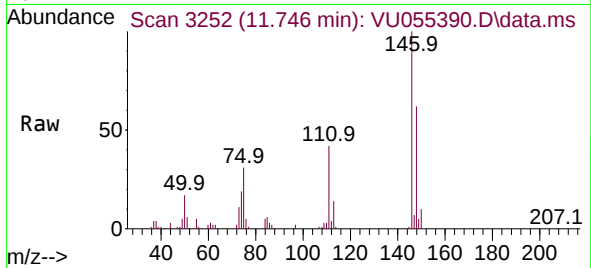




#64
1,3-Dichlorobenzene
Concen: 0.833 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU055390.D
Acq: 19 Sep 2023 14:05

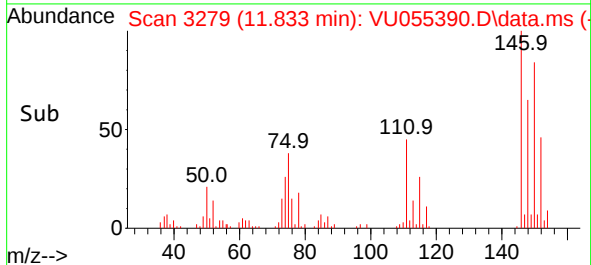
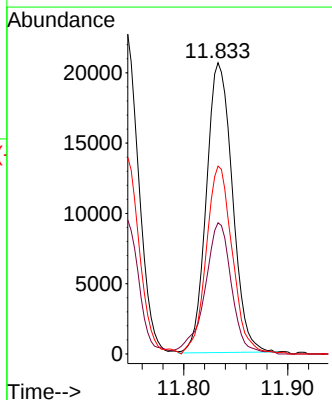
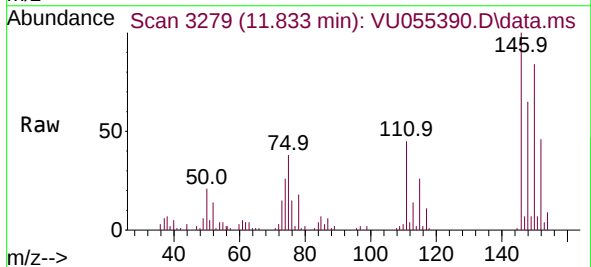
Instrument :
MSVOA_U
ClientSampleId :

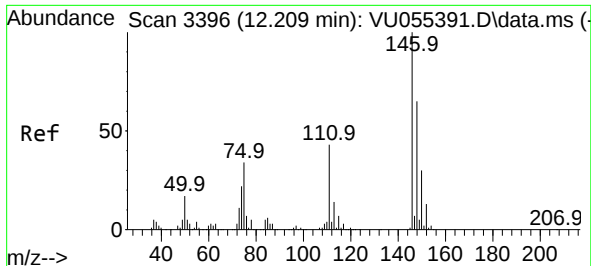
Tgt Ion:146 Resp: 36676
Ion Ratio Lower Upper
146 100
111 41.9 28.8 53.6
148 61.5 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 0.836 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU055390.D
Acq: 19 Sep 2023 14:05

Tgt Ion:146 Resp: 35890
Ion Ratio Lower Upper
146 100
111 45.1 29.0 53.8
148 64.5 45.4 84.4





#67

1,2-Dichlorobenzene

Concen: 0.859 ug/L

RT: 12.212 min Scan# 3396

Delta R.T. 0.003 min

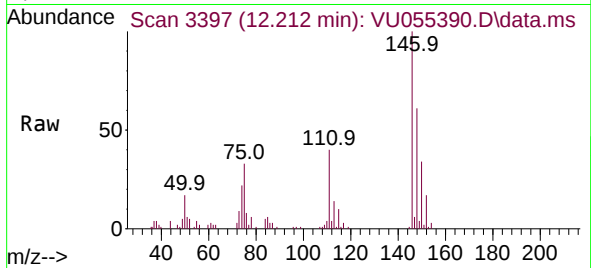
Lab File: VU055390.D

Acq: 19 Sep 2023 14:05

Instrument :

MSVOA_U

ClientSampleId :



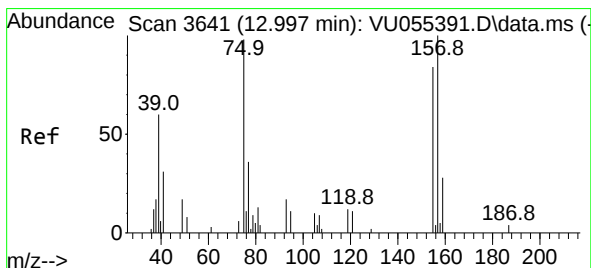
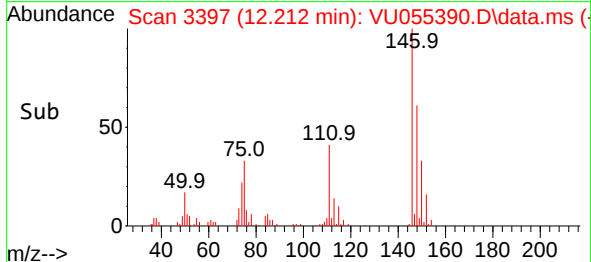
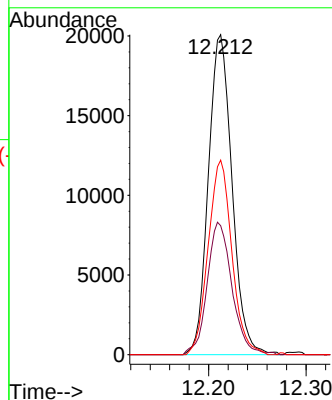
Tgt Ion:146 Resp: 33905

Ion Ratio Lower Upper

146 100

111 40.3 34.6 52.0

148 60.8 51.8 77.8



#68

1,2-Dibromo-3-chloropropane

Concen: 0.834 ug/L

RT: 12.997 min Scan# 3641

Delta R.T. -0.000 min

Lab File: VU055390.D

Acq: 19 Sep 2023 14:05

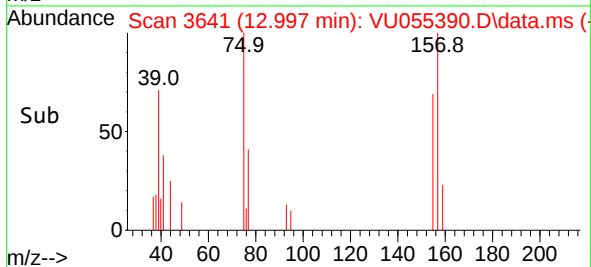
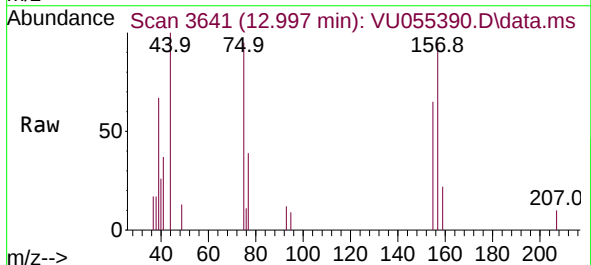
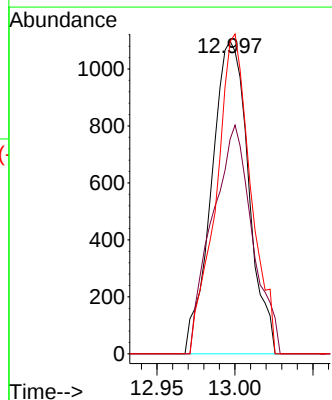
Tgt Ion: 75 Resp: 1815

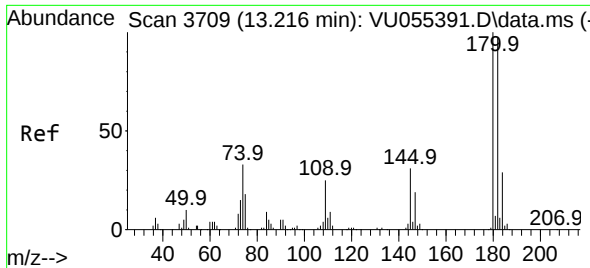
Ion Ratio Lower Upper

75 100

155 68.7 69.2 103.8#

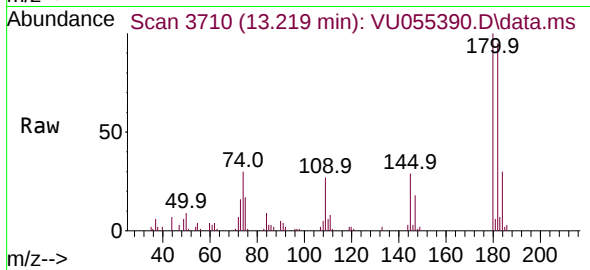
157 99.8 81.9 122.9



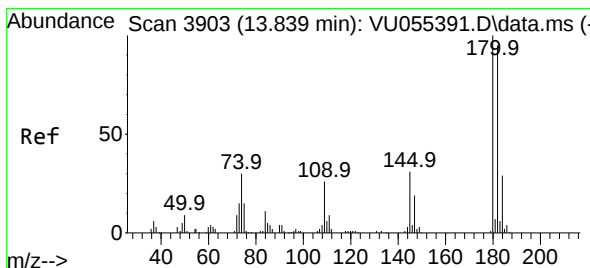
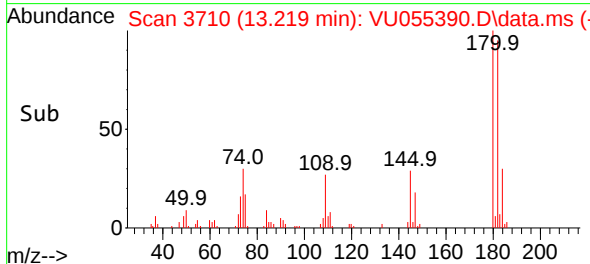
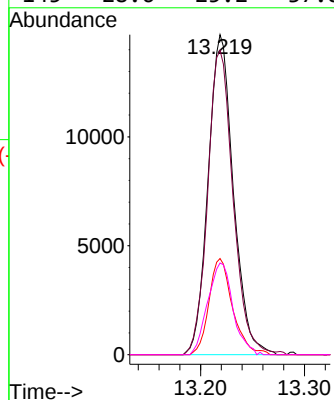


#69
 1,3,5-Trichlorobenzene
 Concen: 0.821 ug/L
 RT: 13.219 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU055390.D
 Acq: 19 Sep 2023 14:05

Instrument :
 MSVOA_U
 ClientSampleId :

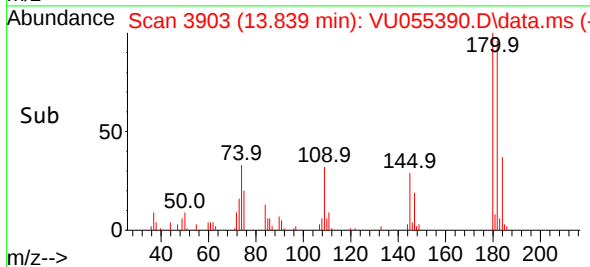
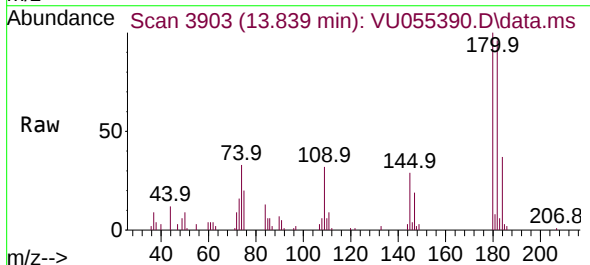
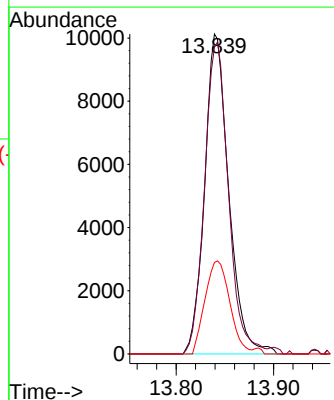


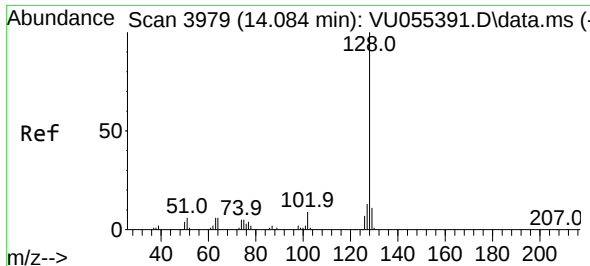
Tgt Ion:180 Resp: 24790
 Ion Ratio Lower Upper
 180 100
 182 95.9 77.1 115.7
 184 28.2 24.0 36.0
 145 28.6 25.2 37.8



#70
 1,2,4-trichlorobenzene
 Concen: 0.747 ug/L
 RT: 13.839 min Scan# 3903
 Delta R.T. -0.000 min
 Lab File: VU055390.D
 Acq: 19 Sep 2023 14:05

Tgt Ion:180 Resp: 17440
 Ion Ratio Lower Upper
 180 100
 182 96.5 76.4 114.6
 145 29.9 25.4 38.0

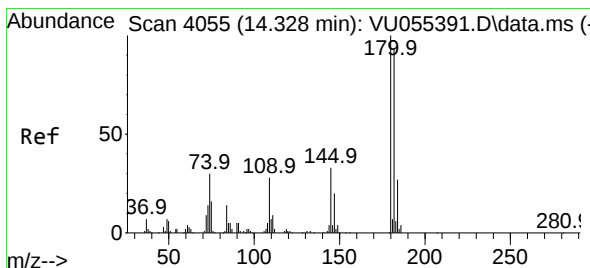
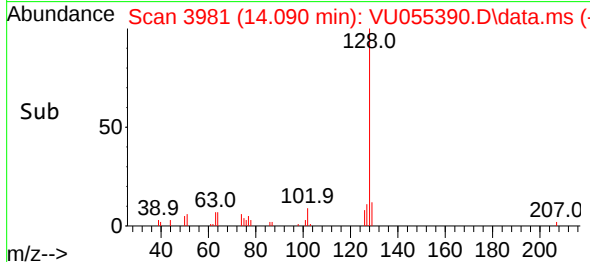
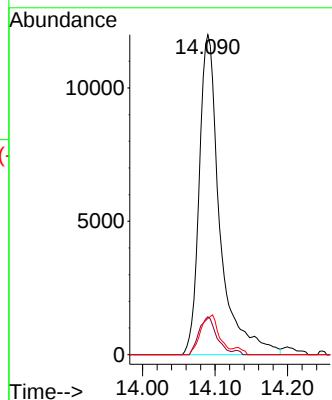
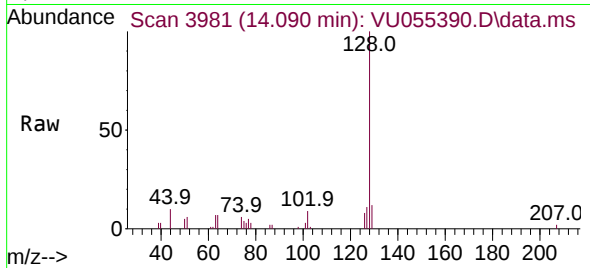




#71
Naphthalene
Concen: 0.706 ug/L
RT: 14.090 min Scan# 3979
Delta R.T. 0.006 min
Lab File: VU055390.D
Acq: 19 Sep 2023 14:05

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 23763
Ion Ratio Lower Upper
128 100
129 10.1 8.5 12.7
127 11.1 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 0.717 ug/L
RT: 14.328 min Scan# 4055
Delta R.T. -0.000 min
Lab File: VU055390.D
Acq: 19 Sep 2023 14:05

Tgt Ion:180 Resp: 14603
Ion Ratio Lower Upper
180 100
182 97.8 76.2 114.4
145 35.4 26.0 39.0

