

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102623\
 Data File : VU055914.D
 Acq On : 26 Oct 2023 18:49
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 27 02:54:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 27 02:48:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	532061	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	550736	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	312163	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	213116	44.656	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.320%
7) Chloroethane-d5	1.885	69	175773	45.058	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.120%
11) 1,1-Dichloroethene-d2	2.560	63	380958	44.769	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.540%
21) 2-Butanone-d5	4.615	46	307242	86.883	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.880%
24) Chloroform-d	5.055	84	417002	45.579	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.160%
26) 1,2-Dichloroethane-d4	5.695	65	255061	45.292	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.580%
32) Benzene-d6	5.721	84	839841	47.661	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.320%
36) 1,2-Dichloropropane-d6	6.685	67	258031	46.255	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.500%
41) Toluene-d8	7.894	98	767540	48.239	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.480%
43) trans-1,3-Dichloroprop...	8.174	79	130329	48.635	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.280%
47) 2-Hexanone-d5	8.631	63	291008	132.696	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	132.700%#
56) 1,1,2,2-Tetrachloroeth...	10.753	84	453585	52.825	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.640%
66) 1,2-Dichlorobenzene-d4	12.190	152	329912	53.257	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	181886	41.056	ug/L	99
3) Chloromethane	1.518	50	195505	46.638	ug/L	100
5) Vinyl chloride	1.602	62	208158	45.122	ug/L	99
6) Bromomethane	1.827	94	67559	22.908	ug/L	98
8) Chloroethane	1.911	64	132183	43.682	ug/L	98
9) Trichlorofluoromethane	2.123	101	291743	44.263	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	188322	44.428	ug/L	96
12) 1,1-Dichloroethene	2.570	96	181316	48.069	ug/L	95
13) Acetone	2.618	43	224474	68.404	ug/L	94
14) Carbon disulfide	2.785	76	471681	41.091	ug/L	99
15) Methyl Acetate	2.940	43	208509	41.489	ug/L	93
16) Methylene chloride	3.039	84	223274	48.810	ug/L	94
17) trans-1,2-Dichloroethene	3.345	96	185116	47.994	ug/L	93
18) Methyl tert-butyl Ether	3.354	73	659052	53.131	ug/L	97
19) 1,1-Dichloroethane	3.859	63	372367	47.076	ug/L	99
20) cis-1,2-Dichloroethene	4.660	96	224414	50.979	ug/L	98
22) 2-Butanone	4.692	43	325090	82.189	ug/L	98
23) Bromochloromethane	4.968	128	112188	49.209	ug/L	94
25) Chloroform	5.081	83	396258	47.956	ug/L	98

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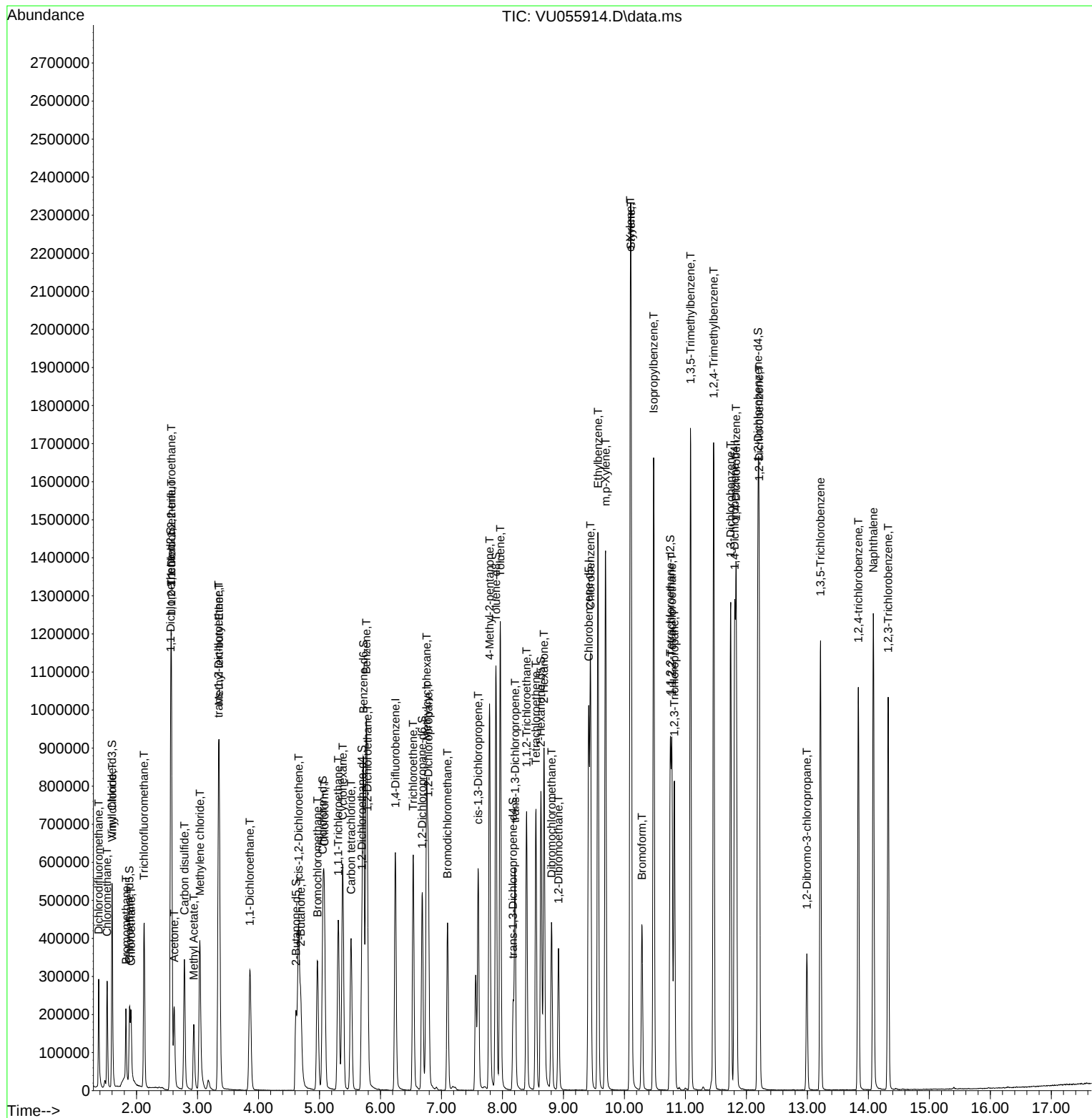
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	297693	45.045	ug/L	99
29) Cyclohexane	5.380	56	313541	49.669	ug/L	98
30) 1,1,1-Trichloroethane	5.309	97	331599	46.604	ug/L	98
31) Carbon tetrachloride	5.518	117	284754	45.721	ug/L	97
33) Benzene	5.769	78	842461	48.392	ug/L	100
34) Trichloroethene	6.537	95	219928	46.170	ug/L	98
35) Methylcyclohexane	6.756	83	329257	47.641	ug/L	99
37) 1,2-Dichloropropane	6.785	63	225883	47.119	ug/L	99
38) Bromodichloromethane	7.100	83	287269	45.441	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	361216	49.528	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	665377	99.770	ug/L	94
42) Toluene	7.965	91	923772	50.287	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	340123	48.741	ug/L	100
45) 1,1,2-Trichloroethane	8.396	97	233149	49.323	ug/L	98
46) Tetrachloroethene	8.550	164	163857	48.045	ug/L	97
48) 2-Hexanone	8.682	43	551340	97.873	ug/L	94
49) Dibromochloromethane	8.804	129	240741	49.844	ug/L	98
50) 1,2-Dibromoethane	8.920	107	255074	50.239	ug/L	97
51) Chlorobenzene	9.444	112	616415	51.863	ug/L	98
52) Ethylbenzene	9.566	91	1054558	52.509	ug/L	100
53) m,p-Xylene	9.692	106	411608	54.706	ug/L	98
54) o-Xylene	10.097	106	412090	56.598	ug/L	95
55) Styrene	10.110	104	727691	58.998	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	444079	54.865	ug/L	100
59) Bromoform	10.287	173	200860	52.269	ug/L	98
60) 1,2,3-Trichloropropane	10.820	75	348824	51.488	ug/L	99
61) Isopropylbenzene	10.479	105	1097532	56.398	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	963805	61.206	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	967150	62.113	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	530386	55.133	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	532088	53.796	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	530792	55.599	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	96170	47.481	ug/L	93
69) 1,3,5-Trichlorobenzene	13.216	180	365629	56.979	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	321381	60.128	ug/L	99
71) Naphthalene	14.084	128	1021918	64.363	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	315725	59.912	ug/L	98

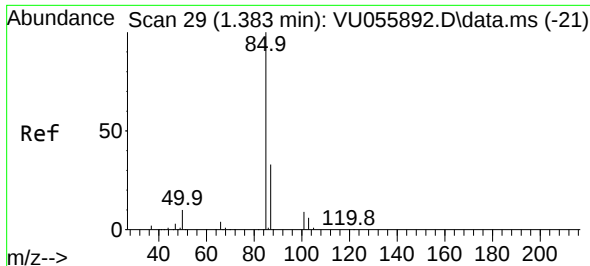
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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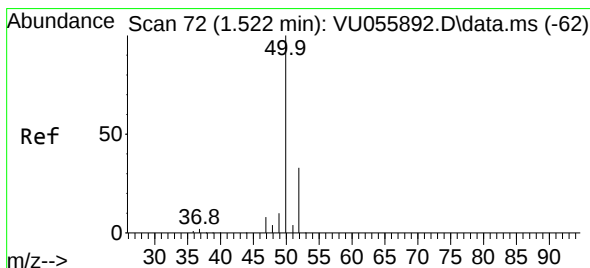
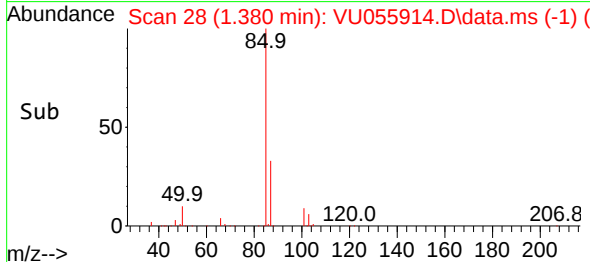
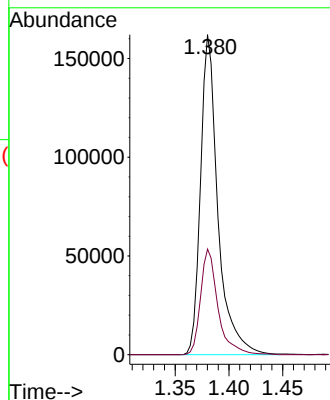
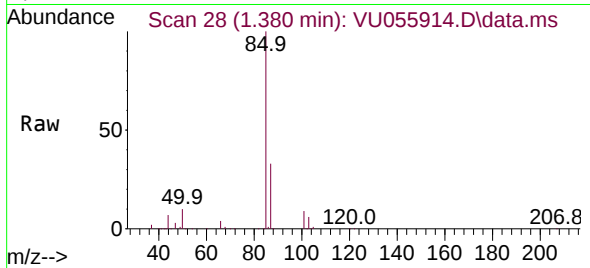




#2
 Dichlorodifluoromethane
 Concen: 41.056 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU055914.D
 Acq: 26 Oct 2023 18:49

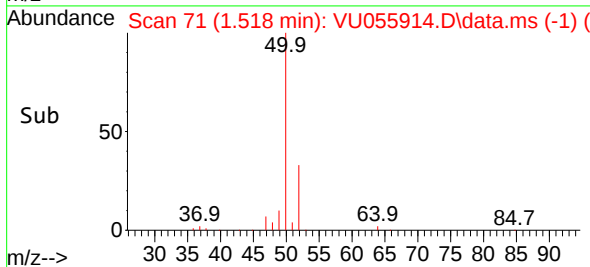
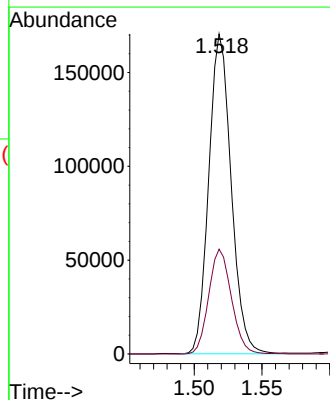
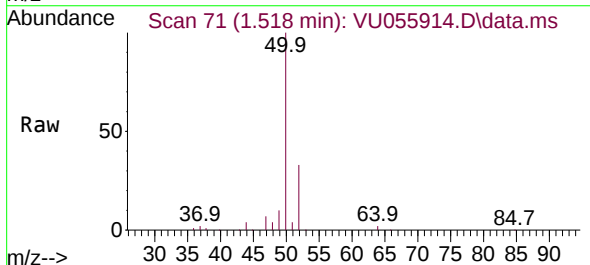
Instrument :
 MSVOA_U
 ClientSampleId :

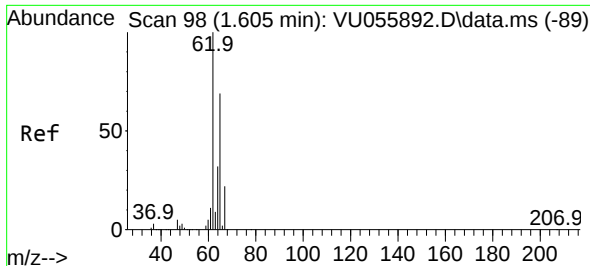
Tgt Ion: 85 Resp: 181886
 Ion Ratio Lower Upper
 85 100
 87 33.0 26.0 39.0



#3
 Chloromethane
 Concen: 46.638 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VU055914.D
 Acq: 26 Oct 2023 18:49

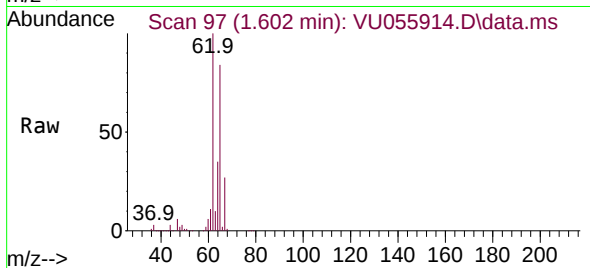
Tgt Ion: 50 Resp: 195505
 Ion Ratio Lower Upper
 50 100
 52 32.7 22.8 42.4



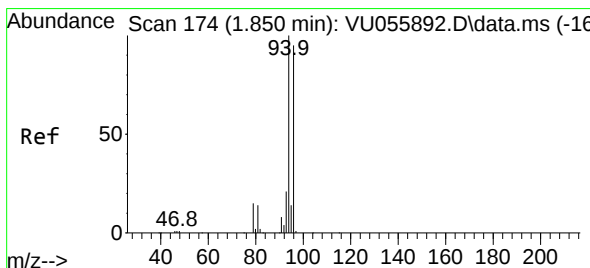
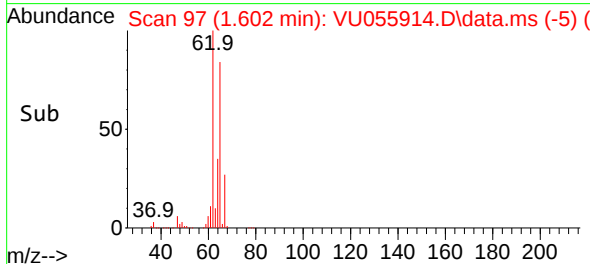
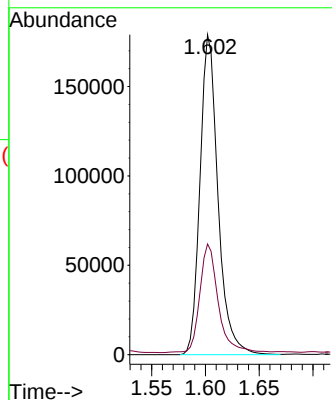


#5
 Vinyl chloride
 Concen: 45.122 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU055914.D
 Acq: 26 Oct 2023 18:49

Instrument :
 MSVOA_U
 ClientSampleId :

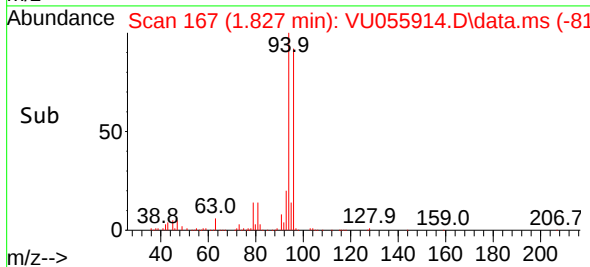
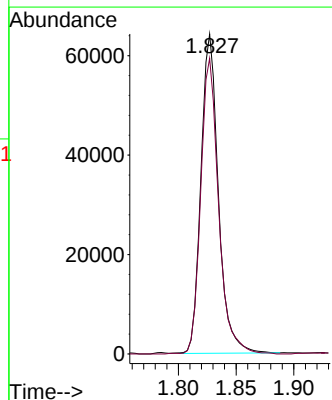
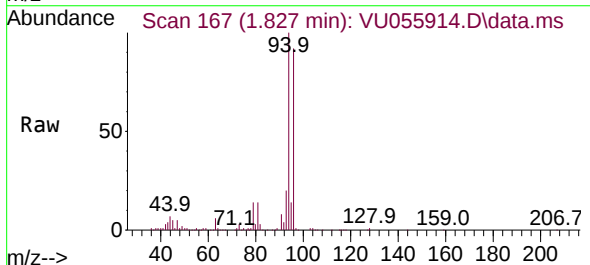


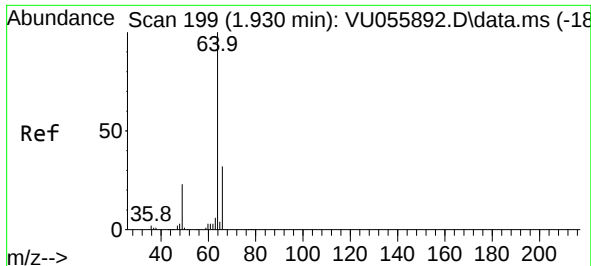
Tgt Ion: 62 Resp: 208158
 Ion Ratio Lower Upper
 62 100
 64 34.6 23.9 44.5



#6
 Bromomethane
 Concen: 22.908 ug/L
 RT: 1.827 min Scan# 167
 Delta R.T. -0.023 min
 Lab File: VU055914.D
 Acq: 26 Oct 2023 18:49

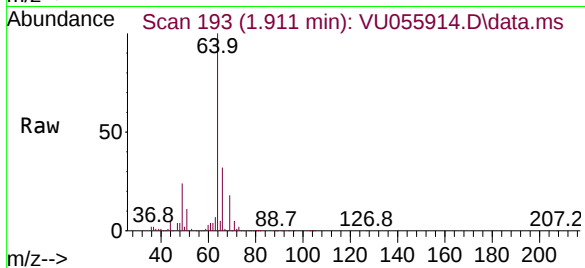
Tgt Ion: 94 Resp: 67559
 Ion Ratio Lower Upper
 94 100
 96 92.4 63.5 117.9



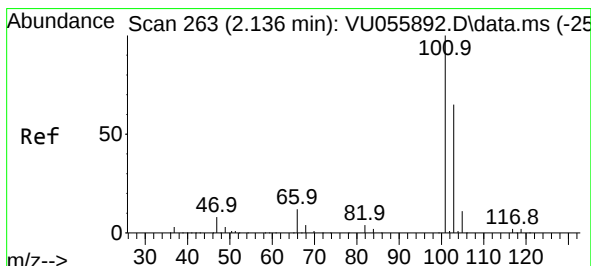
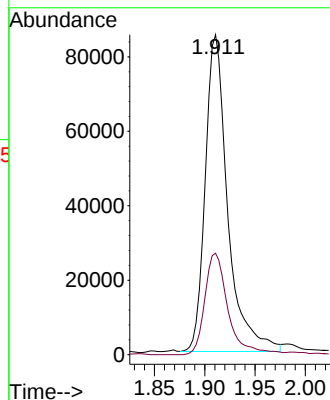
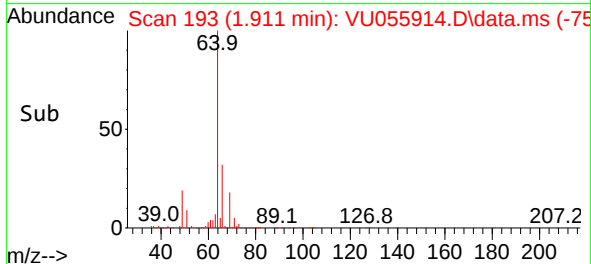


#8
Chloroethane
Concen: 43.682 ug/L
RT: 1.911 min Scan# 193
Delta R.T. -0.019 min
Lab File: VU055914.D
Acq: 26 Oct 2023 18:49

Instrument :
MSVOA_U
ClientSampleId :

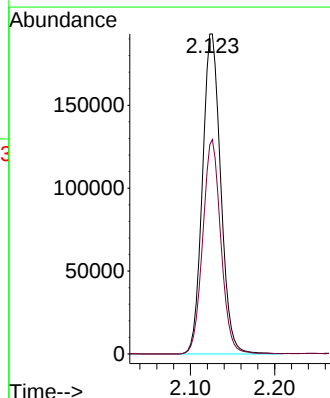
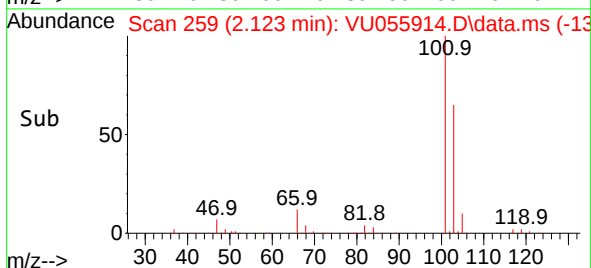
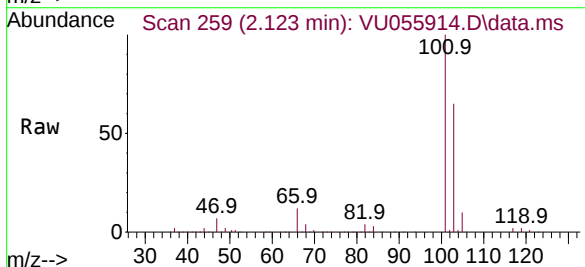


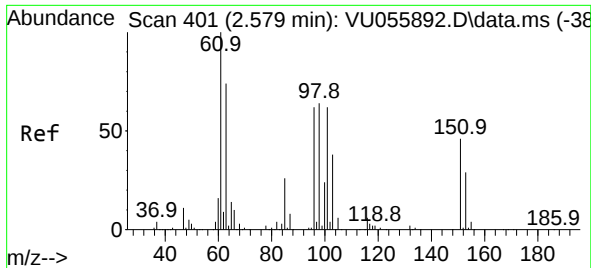
Tgt Ion: 64 Resp: 132183
Ion Ratio Lower Upper
64 100
66 31.7 22.9 42.5



#9
Trichlorofluoromethane
Concen: 44.263 ug/L
RT: 2.123 min Scan# 259
Delta R.T. -0.013 min
Lab File: VU055914.D
Acq: 26 Oct 2023 18:49

Tgt Ion: 101 Resp: 291743
Ion Ratio Lower Upper
101 100
103 66.3 51.3 76.9

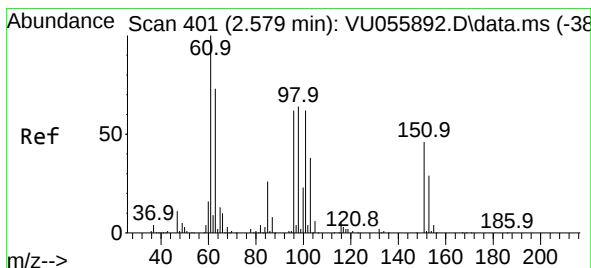
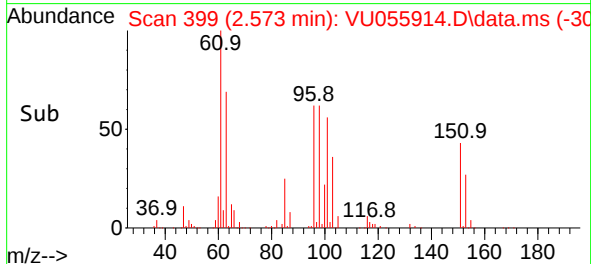
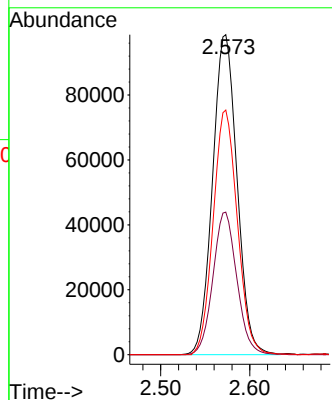
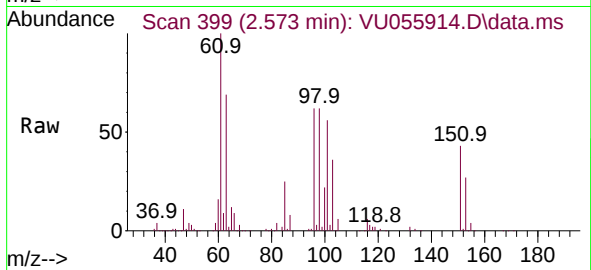




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 44.428 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.006 min
 Lab File: VU055914.D
 Acq: 26 Oct 2023 18:49

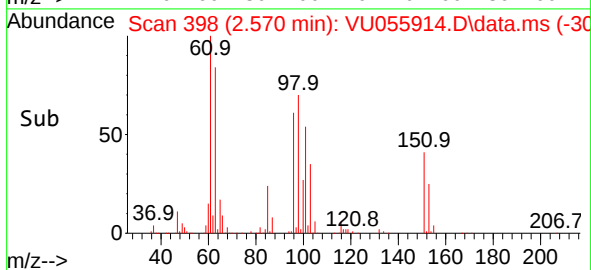
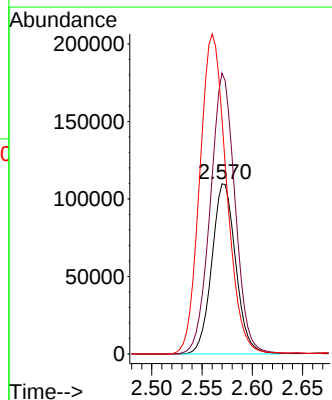
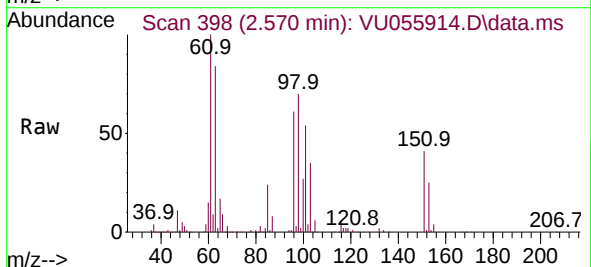
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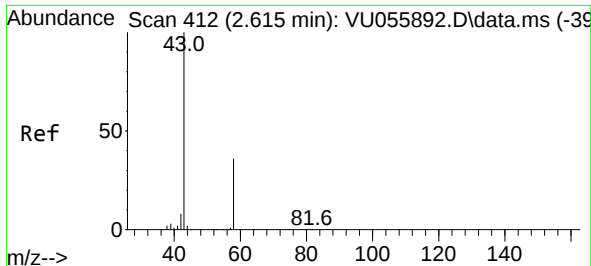
Tgt Ion:101 Resp: 188322
 Ion Ratio Lower Upper
 101 100
 85 43.3 37.1 55.7
 151 75.5 58.2 87.4



#12
 1,1-Dichloroethene
 Concen: 48.069 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.010 min
 Lab File: VU055914.D
 Acq: 26 Oct 2023 18:49

Tgt Ion: 96 Resp: 181316
 Ion Ratio Lower Upper
 96 100
 61 165.1 122.0 226.6
 63 138.5 93.7 174.1





#13

Acetone

Concen: 68.404 ug/L

RT: 2.618 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU055914.D

Acq: 26 Oct 2023 18:49

Instrument :

MSVOA_U

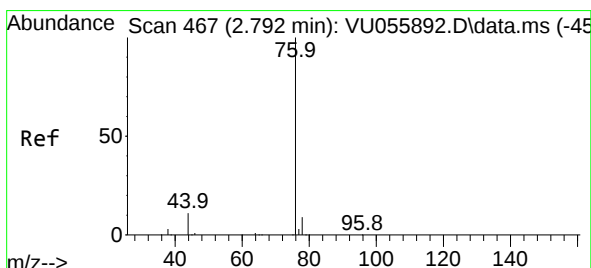
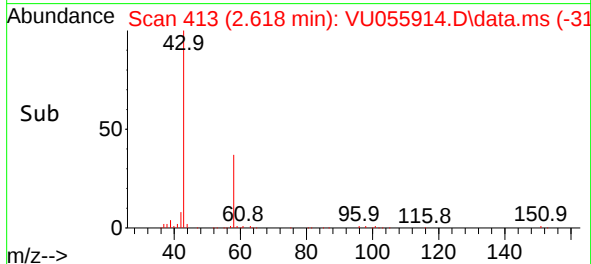
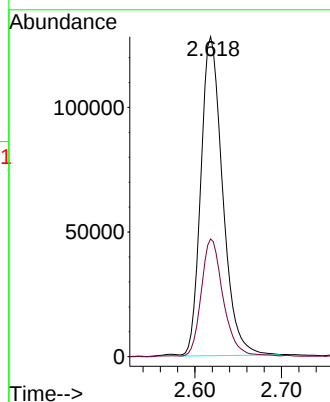
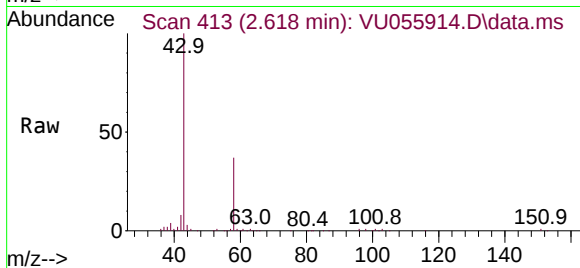
ClientSampleId :

Tgt Ion: 43 Resp: 224474

Ion Ratio Lower Upper

43 100

58 37.1 0.0 67.4



#14

Carbon disulfide

Concen: 41.091 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.006 min

Lab File: VU055914.D

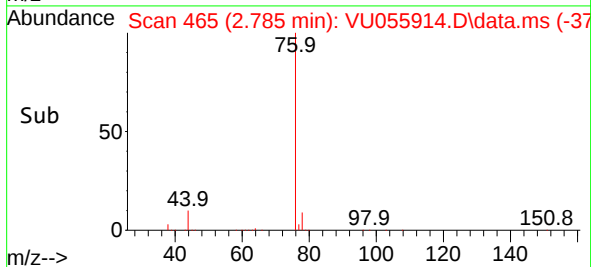
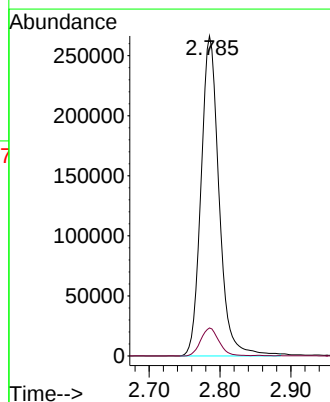
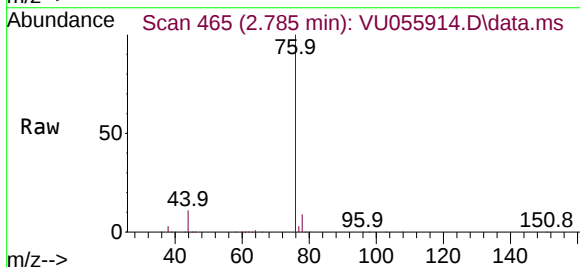
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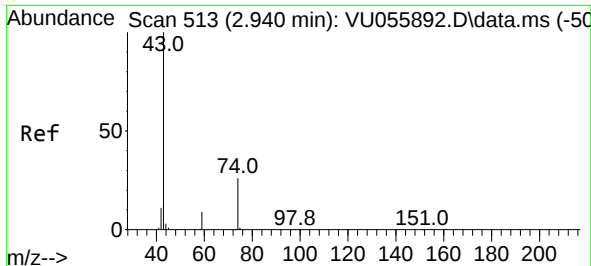
Tgt Ion: 76 Resp: 471681

Ion Ratio Lower Upper

76 100

78 8.7 6.8 10.2

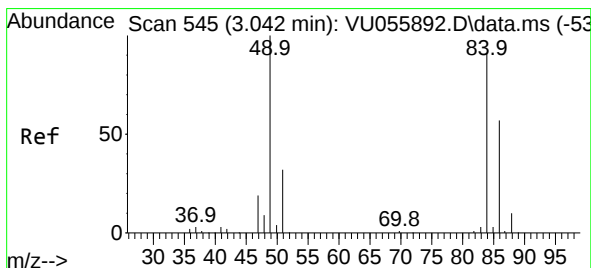
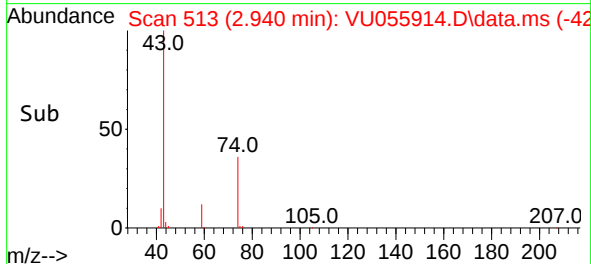
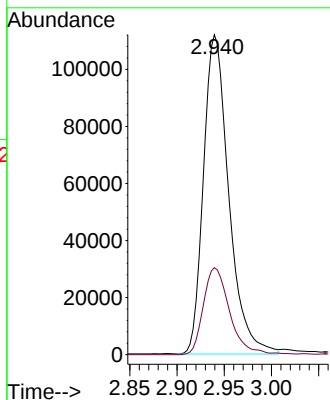
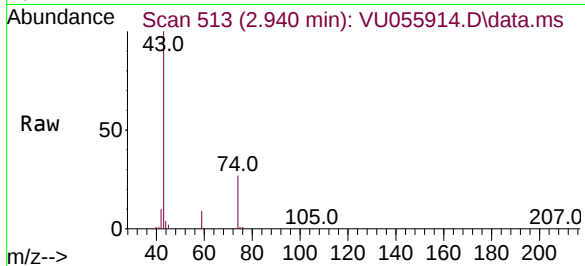




#15
Methyl Acetate
Concen: 41.489 ug/L
RT: 2.940 min Scan# 513
Delta R.T. -0.000 min
Lab File: VU055914.D
Acq: 26 Oct 2023 18:49

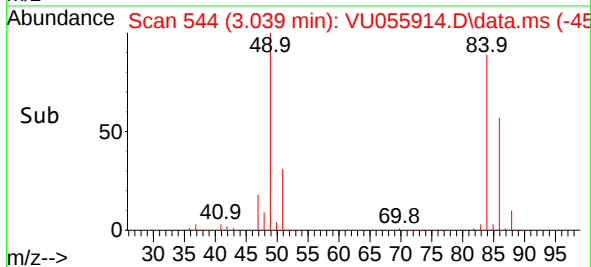
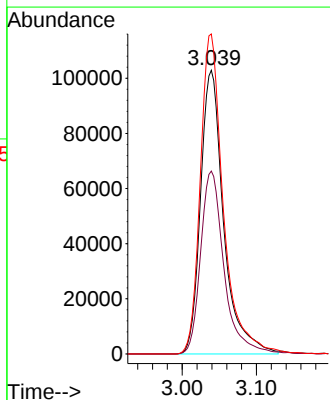
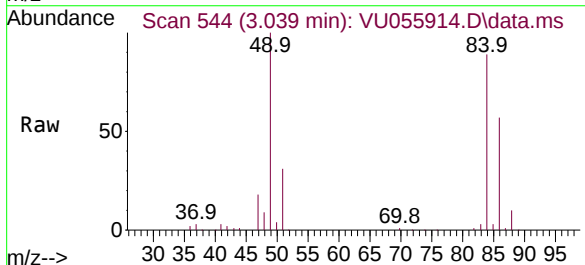
Instrument :
MSVOA_U
ClientSampleId :

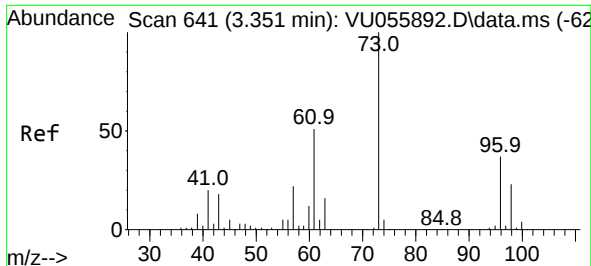
Tgt Ion: 43 Resp: 208509
Ion Ratio Lower Upper
43 100
74 28.0 19.5 29.3



#16
Methylene chloride
Concen: 48.810 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.003 min
Lab File: VU055914.D
Acq: 26 Oct 2023 18:49

Tgt Ion: 84 Resp: 223274
Ion Ratio Lower Upper
84 100
86 64.5 46.3 86.1
49 112.8 84.8 157.6

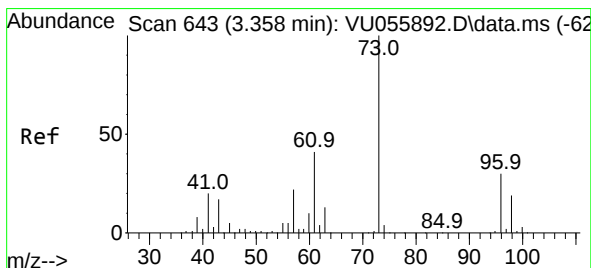
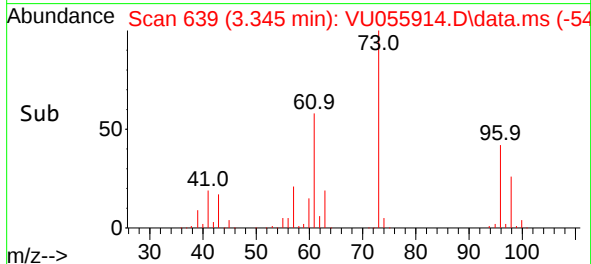
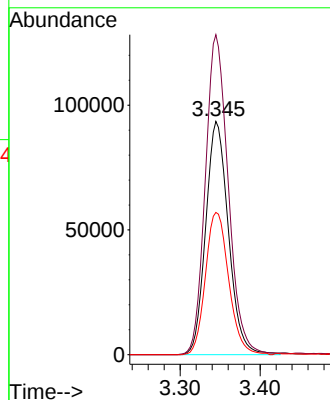
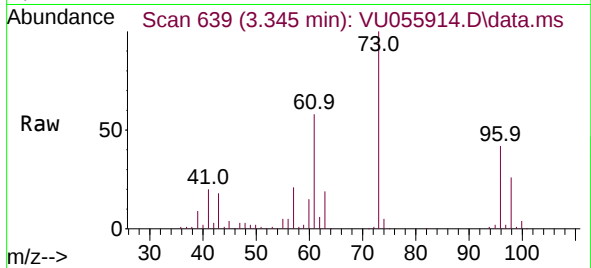




#17
trans-1,2-Dichloroethene
Concen: 47.994 ug/L
RT: 3.345 min Scan# 61
Delta R.T. -0.006 min
Lab File: VU055914.D
Acq: 26 Oct 2023 18:49

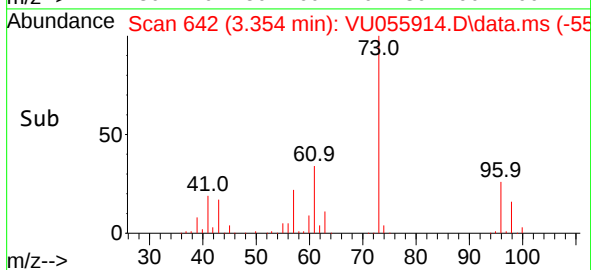
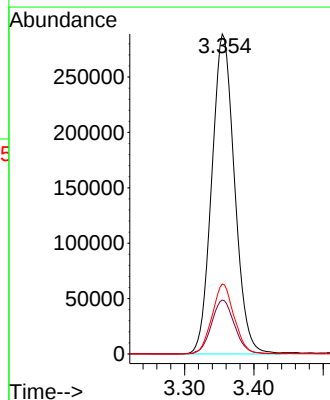
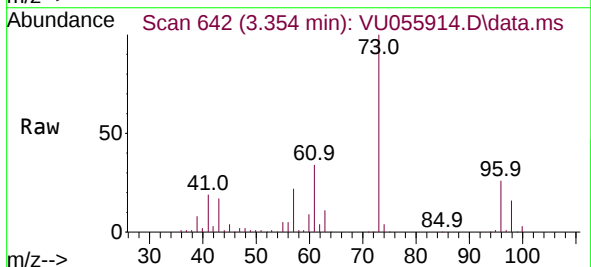
Instrument :
MSVOA_U
ClientSampleId :

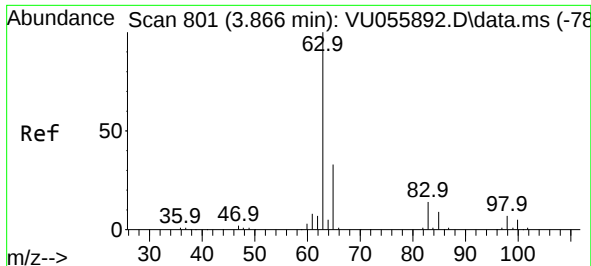
Tgt Ion: 96 Resp: 185116
Ion Ratio Lower Upper
96 100
61 137.2 102.1 189.7
98 61.0 46.3 86.1



#18
Methyl tert-butyl Ether
Concen: 53.131 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.003 min
Lab File: VU055914.D
Acq: 26 Oct 2023 18:49

Tgt Ion: 73 Resp: 659052
Ion Ratio Lower Upper
73 100
43 17.0 15.4 23.2
57 21.3 17.7 26.5





#19

1,1-Dichloroethane

Concen: 47.076 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.006 min

Lab File: VU055914.D

Acq: 26 Oct 2023 18:49

Instrument :

MSVOA_U

ClientSampleId :

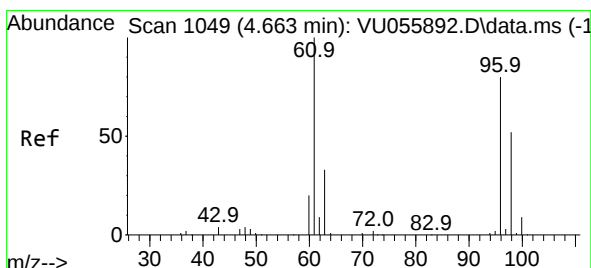
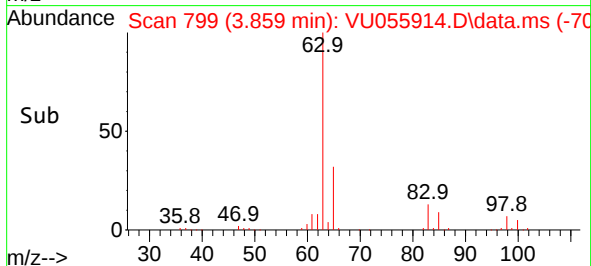
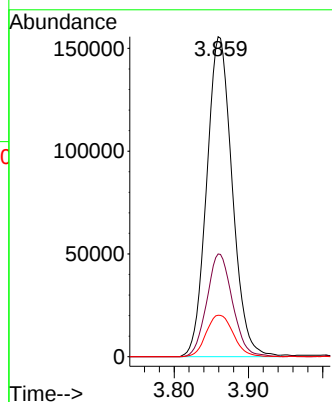
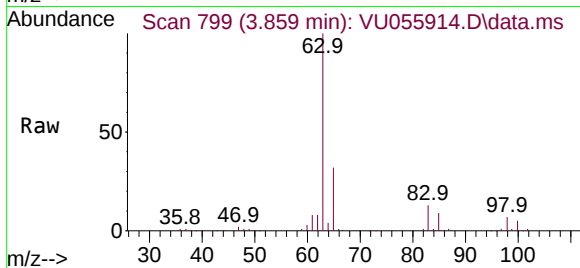
Tgt Ion: 63 Resp: 372367

Ion Ratio Lower Upper

63 100

65 32.1 22.3 41.5

83 13.0 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 50.979 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. -0.003 min

Lab File: VU055914.D

Acq: 26 Oct 2023 18:49

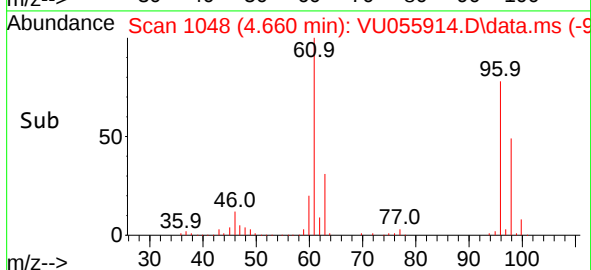
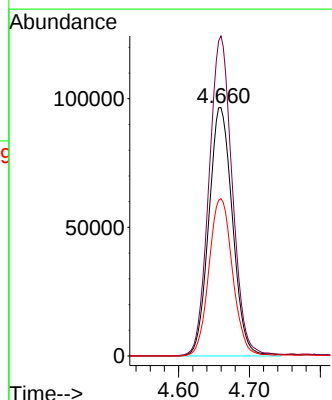
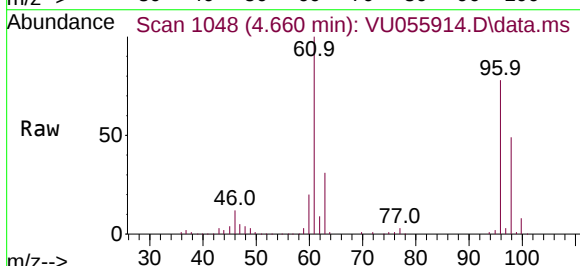
Tgt Ion: 96 Resp: 224414

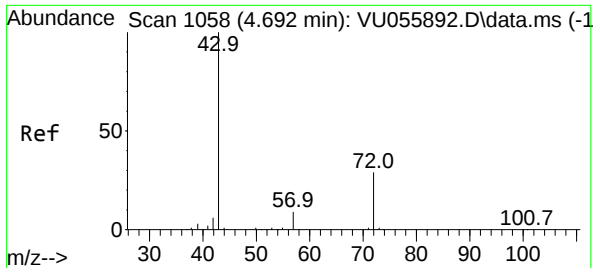
Ion Ratio Lower Upper

96 100

61 128.9 92.3 171.5

98 63.4 43.9 81.5





#22

2-Butanone

Concen: 82.189 ug/L

RT: 4.692 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VU055914.D

Acq: 26 Oct 2023 18:49

Instrument :

MSVOA_U

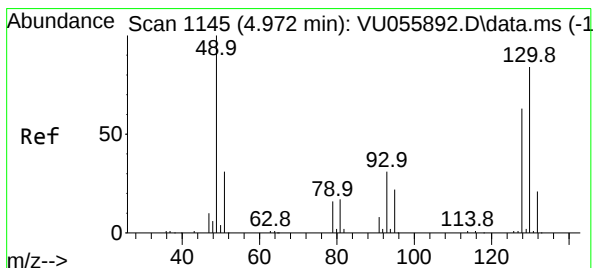
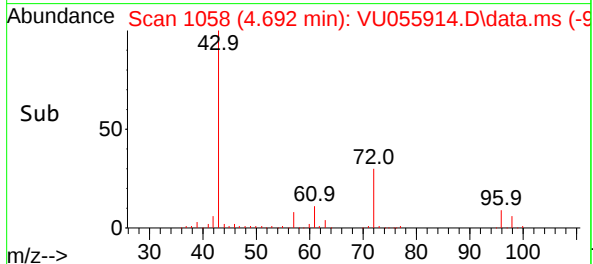
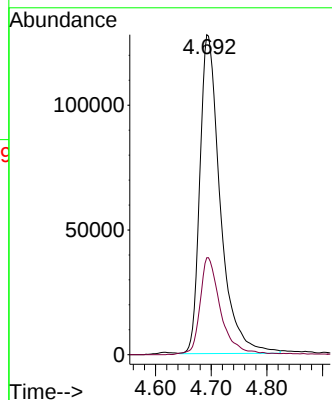
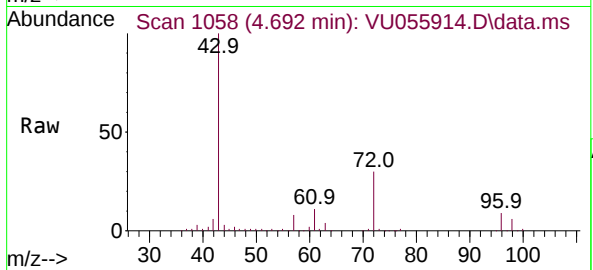
ClientSampleId :

Tgt Ion: 43 Resp: 325090

Ion Ratio Lower Upper

43 100

72 30.3 14.6 44.0



#23

Bromochloromethane

Concen: 49.209 ug/L

RT: 4.968 min Scan# 1144

Delta R.T. -0.003 min

Lab File: VU055914.D

Acq: 26 Oct 2023 18:49

Tgt Ion:128 Resp: 112188

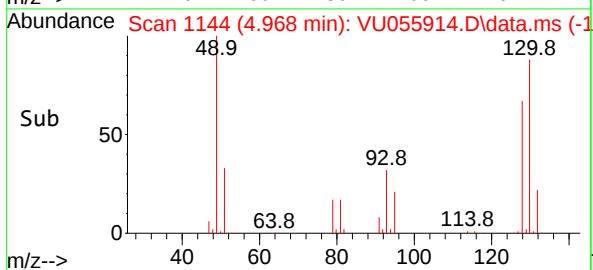
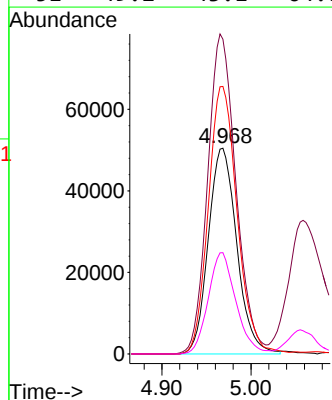
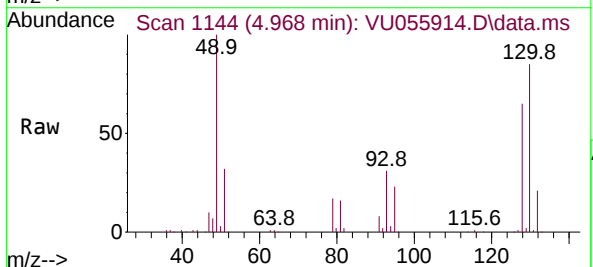
Ion Ratio Lower Upper

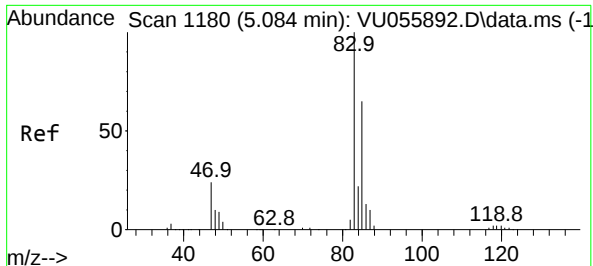
128 100

49 152.9 116.3 216.1

130 129.9 91.6 170.0

51 49.2 43.1 64.7





#25

Chloroform

Concen: 47.956 ug/L

RT: 5.081 min Scan# 1180

Delta R.T. -0.003 min

Lab File: VU055914.D

Acq: 26 Oct 2023 18:49

Instrument :

MSVOA_U

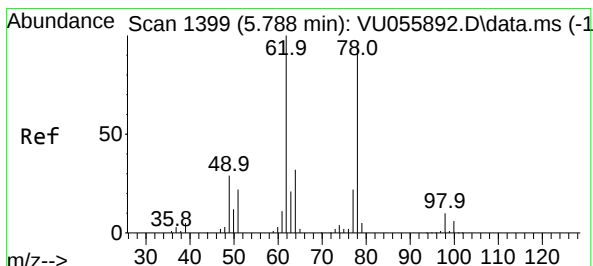
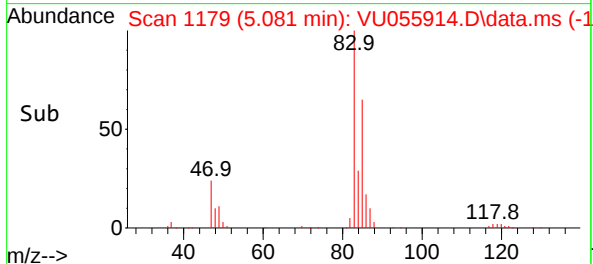
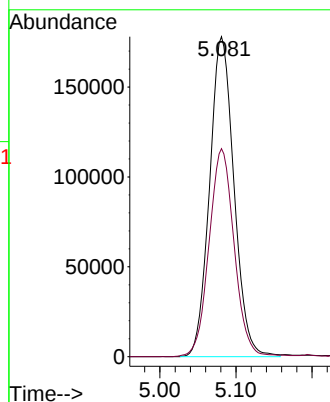
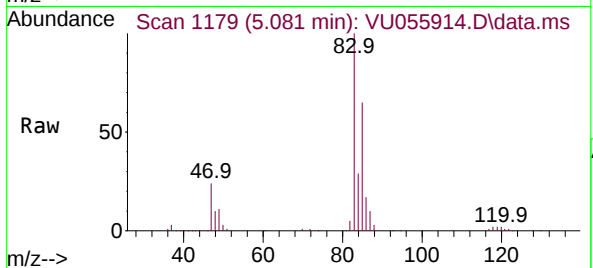
ClientSampleId :

Tgt Ion: 83 Resp: 396258

Ion Ratio Lower Upper

83 100

85 65.0 46.3 86.1



#27

1,2-Dichloroethane

Concen: 45.045 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU055914.D

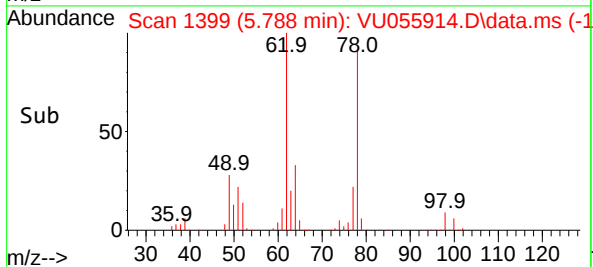
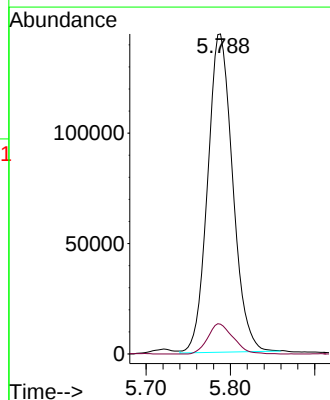
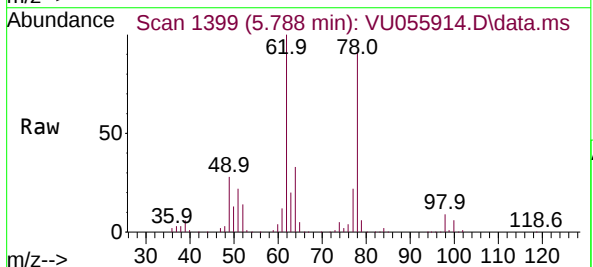
Acq: 26 Oct 2023 18:49

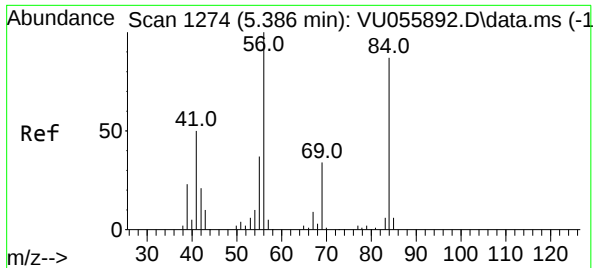
Tgt Ion: 62 Resp: 297693

Ion Ratio Lower Upper

62 100

98 9.3 7.2 10.8





#29

Cyclohexane

Concen: 49.669 ug/L

RT: 5.380 min Scan# 11

Delta R.T. -0.006 min

Lab File: VU055914.D

Acq: 26 Oct 2023 18:49

Instrument :

MSVOA_U

ClientSampleId :

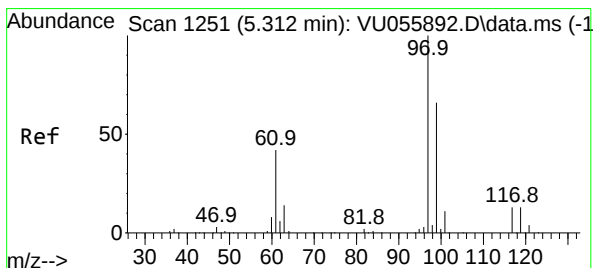
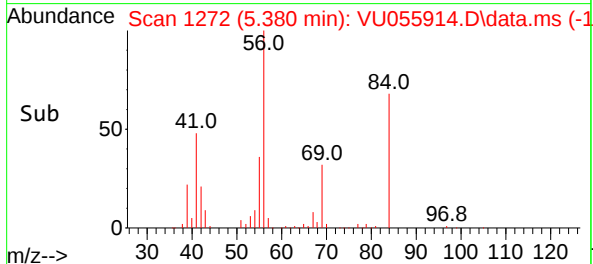
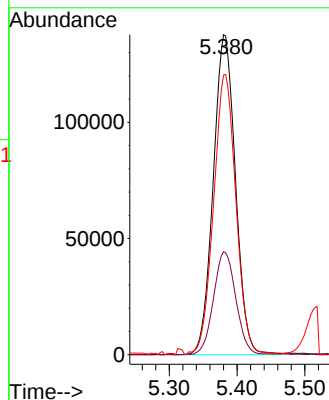
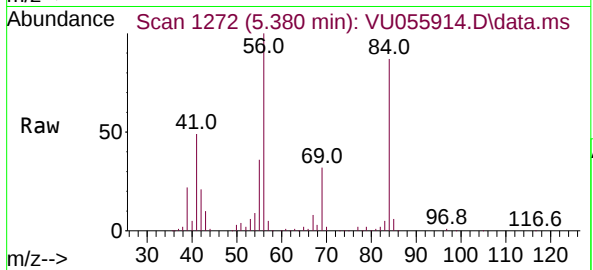
Tgt Ion: 56 Resp: 313541

Ion Ratio Lower Upper

56 100

69 32.0 24.9 37.3

84 86.8 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 46.604 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.003 min

Lab File: VU055914.D

Acq: 26 Oct 2023 18:49

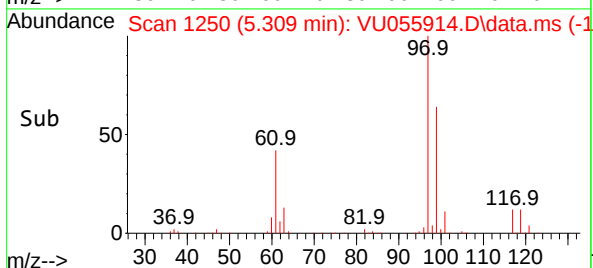
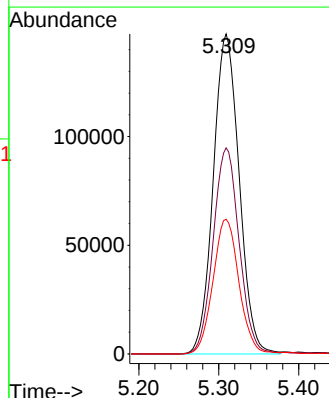
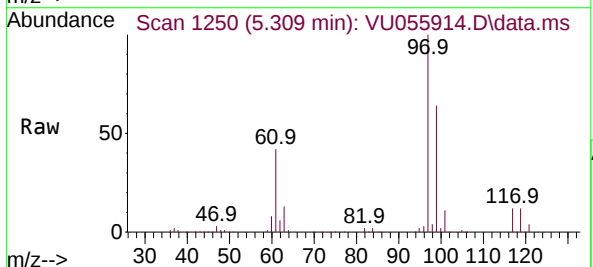
Tgt Ion: 97 Resp: 331599

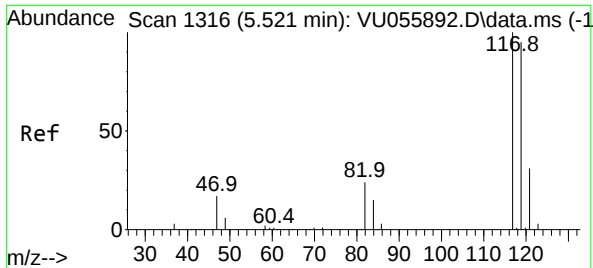
Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 42.1 36.8 55.2

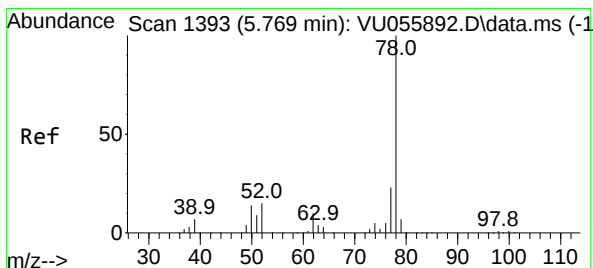
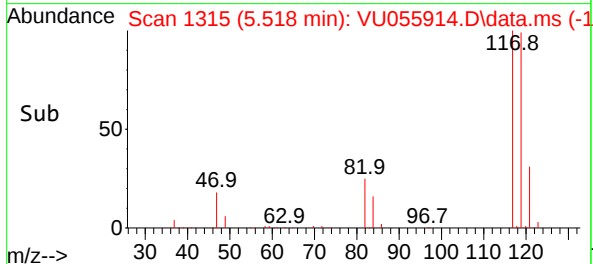
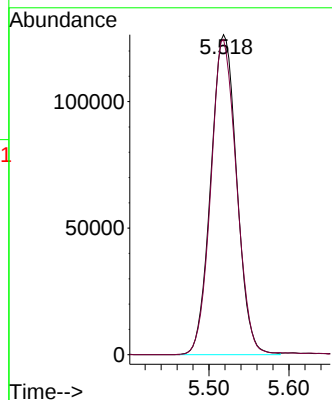
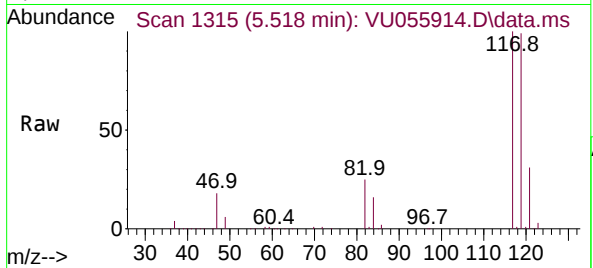




#31
Carbon tetrachloride
Concen: 45.721 ug/L
RT: 5.518 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU055914.D
Acq: 26 Oct 2023 18:49

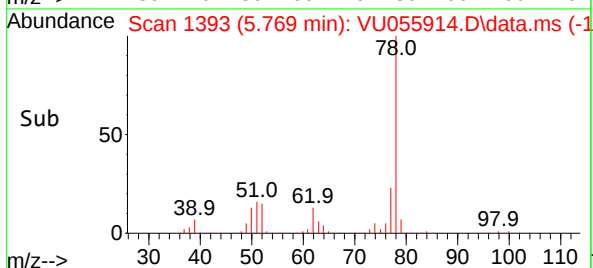
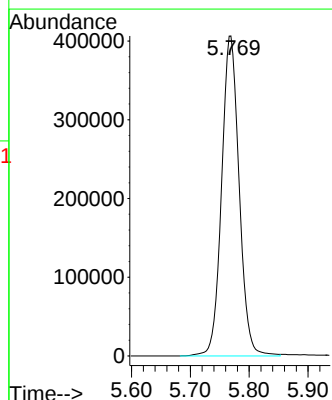
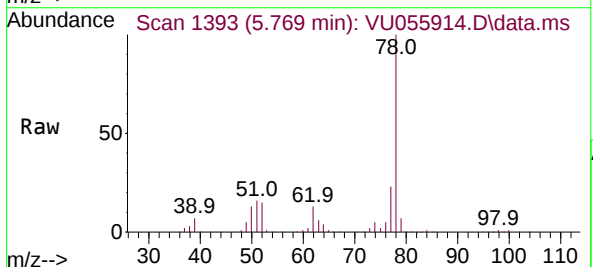
Instrument :
MSVOA_U
ClientSampleId :

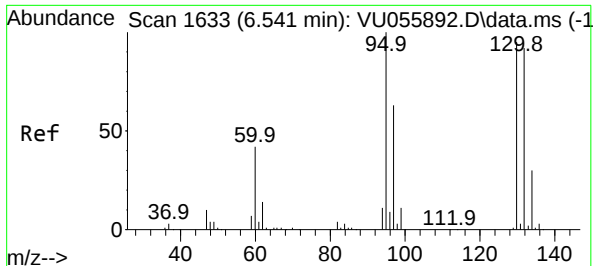
Tgt Ion:117 Resp: 284754
Ion Ratio Lower Upper
117 100
119 97.4 75.4 113.0



#33
Benzene
Concen: 48.392 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU055914.D
Acq: 26 Oct 2023 18:49

Tgt Ion: 78 Resp: 842461

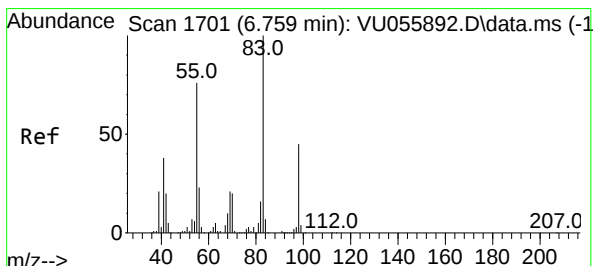
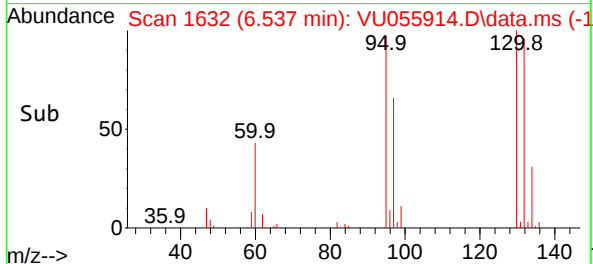
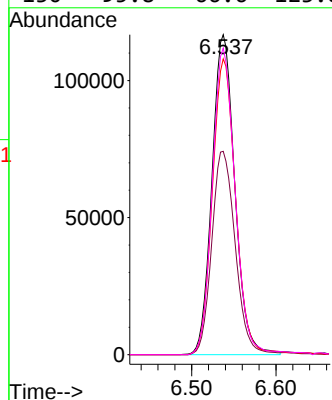
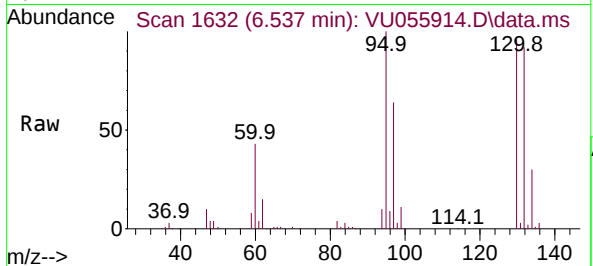




#34
Trichloroethene
Concen: 46.170 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU055914.D
Acq: 26 Oct 2023 18:49

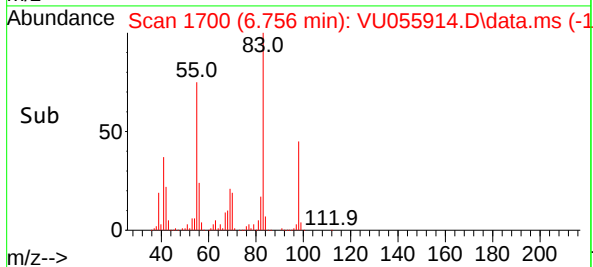
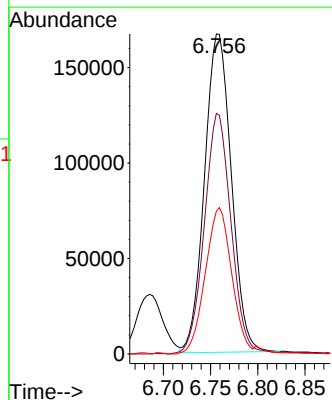
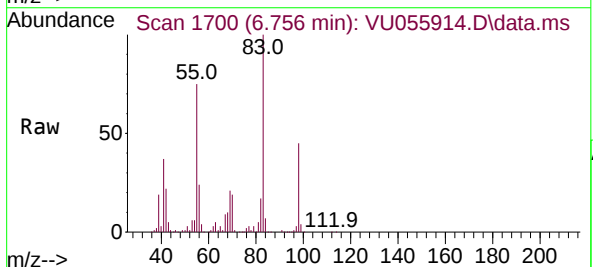
Instrument :
MSVOA_U
ClientSampleId :

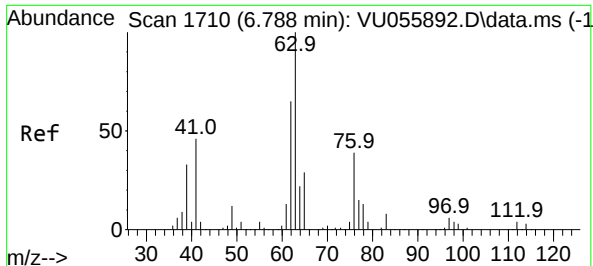
Tgt Ion: 95 Resp: 219928
Ion Ratio Lower Upper
95 100
97 63.5 44.4 82.5
132 92.4 61.8 114.8
130 95.8 66.6 123.8



#35
Methylcyclohexane
Concen: 47.641 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.003 min
Lab File: VU055914.D
Acq: 26 Oct 2023 18:49

Tgt Ion: 83 Resp: 329257
Ion Ratio Lower Upper
83 100
55 75.3 61.2 91.8
98 45.2 35.8 53.6

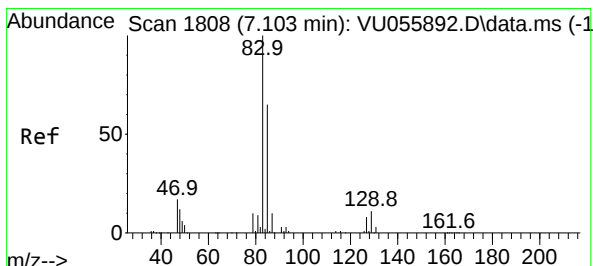
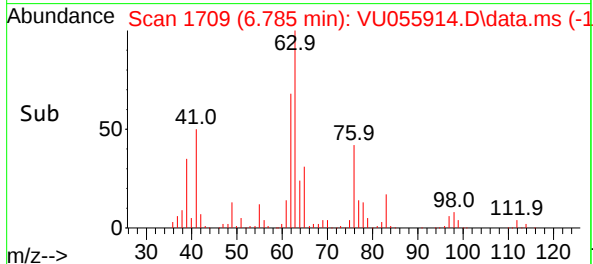
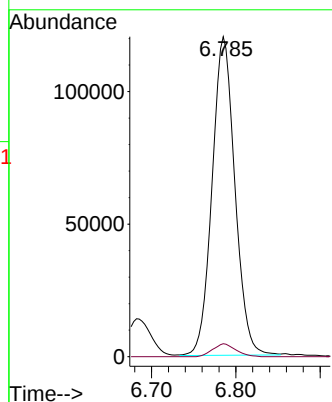
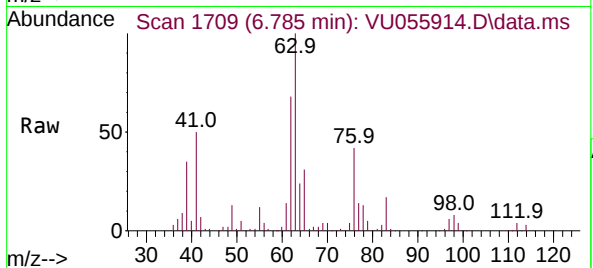




#37
1,2-Dichloropropane
Concen: 47.119 ug/L
RT: 6.785 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU055914.D
Acq: 26 Oct 2023 18:49

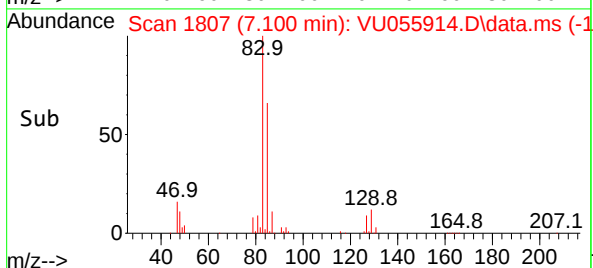
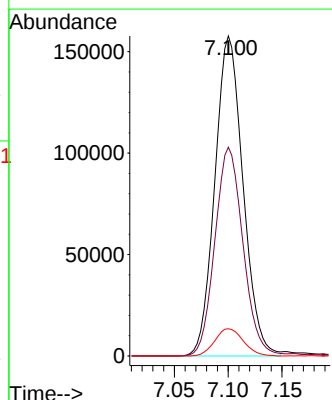
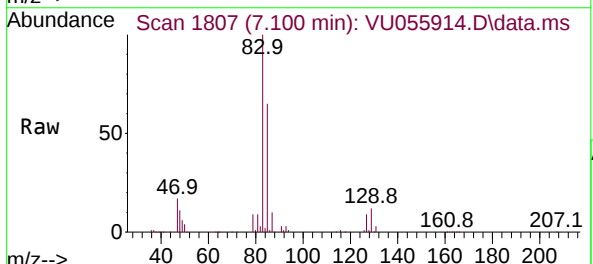
Instrument :
MSVOA_U
ClientSampleId :

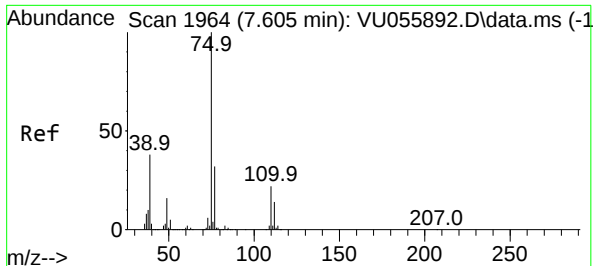
Tgt Ion: 63 Resp: 225883
Ion Ratio Lower Upper
63 100
112 4.1 3.0 4.4



#38
Bromodichloromethane
Concen: 45.441 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. -0.003 min
Lab File: VU055914.D
Acq: 26 Oct 2023 18:49

Tgt Ion: 83 Resp: 287269
Ion Ratio Lower Upper
83 100
85 65.3 46.0 85.4
127 8.5 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 49.528 ug/L

RT: 7.602 min Scan# 1964

Delta R.T. -0.003 min

Lab File: VU055914.D

Acq: 26 Oct 2023 18:49

Instrument :

MSVOA_U

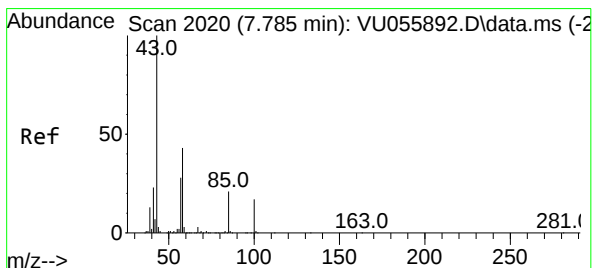
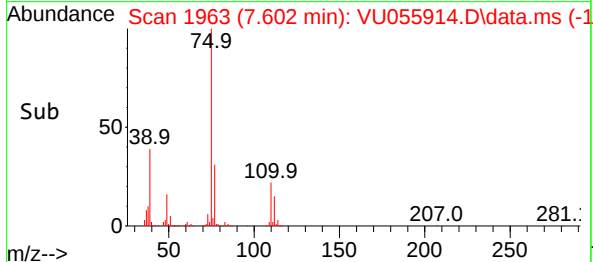
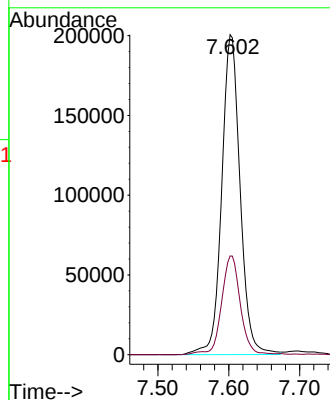
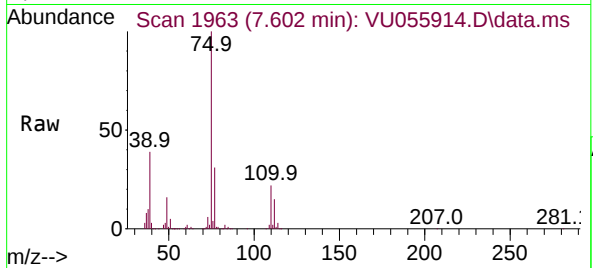
ClientSampleId :

Tgt Ion: 75 Resp: 361216

Ion Ratio Lower Upper

75 100

77 30.8 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 99.770 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.003 min

Lab File: VU055914.D

Acq: 26 Oct 2023 18:49

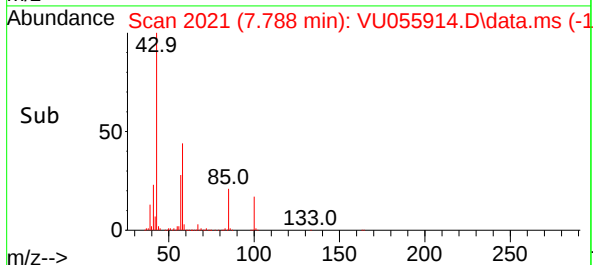
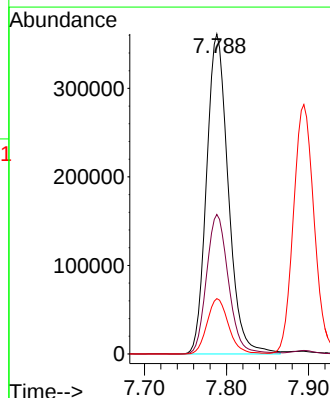
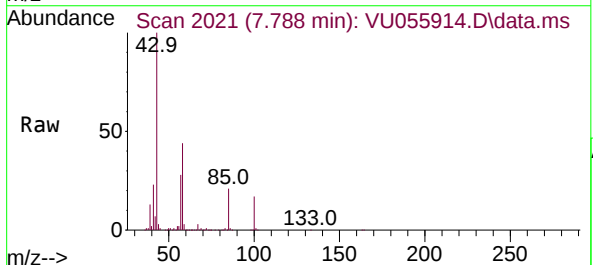
Tgt Ion: 43 Resp: 665377

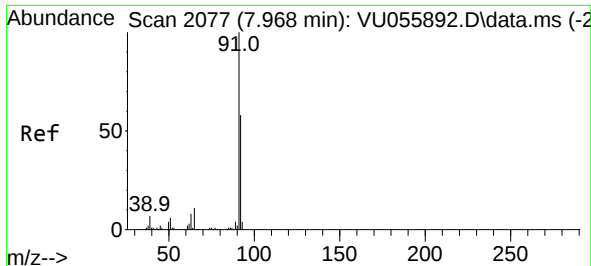
Ion Ratio Lower Upper

43 100

58 44.1 32.3 48.5

100 17.1 12.0 18.0





#42

Toluene

Concen: 50.287 ug/L

RT: 7.965 min Scan# 2077

Delta R.T. -0.003 min

Lab File: VU055914.D

Acq: 26 Oct 2023 18:49

Instrument :

MSVOA_U

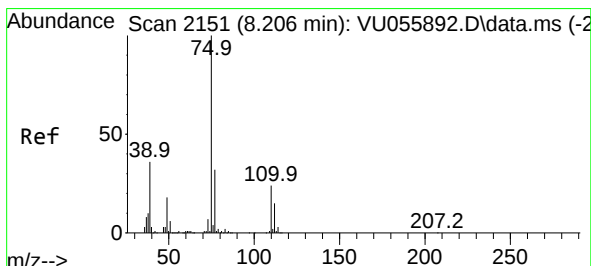
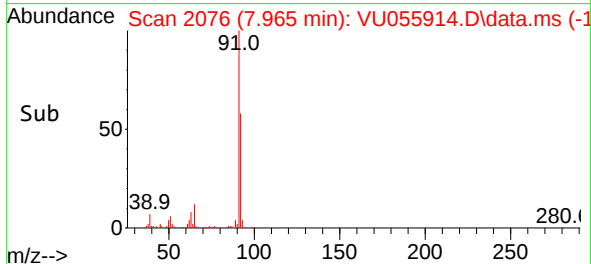
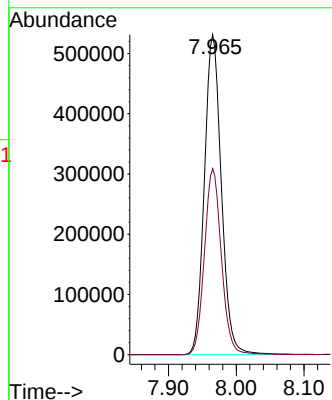
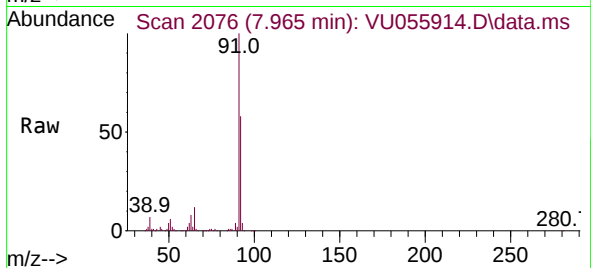
ClientSampleId :

Tgt Ion: 91 Resp: 923772

Ion Ratio Lower Upper

91 100

92 58.2 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 48.741 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU055914.D

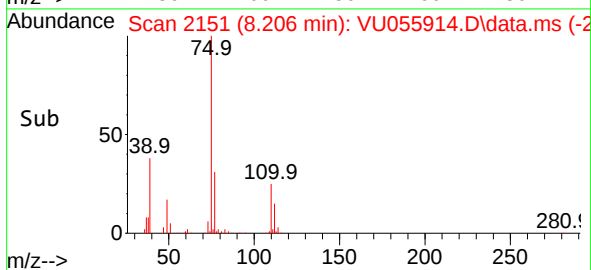
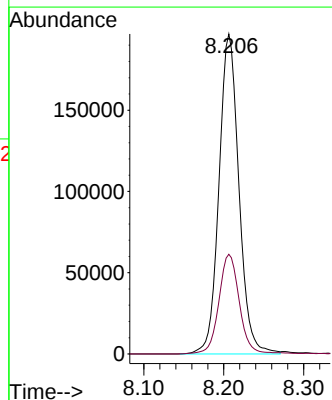
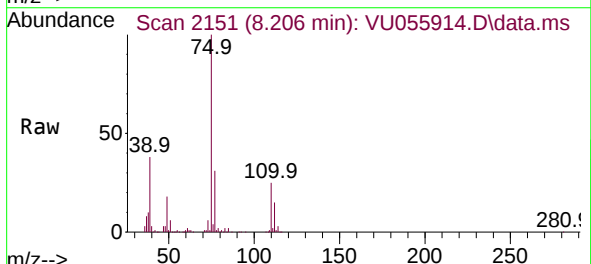
Acq: 26 Oct 2023 18:49

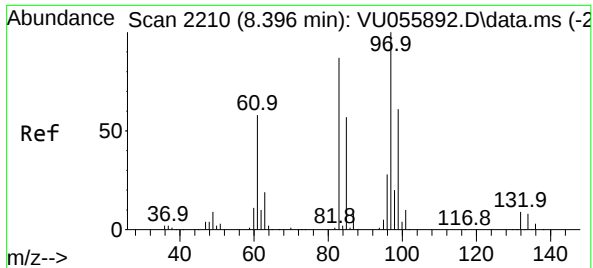
Tgt Ion: 75 Resp: 340123

Ion Ratio Lower Upper

75 100

77 31.2 21.6 40.2



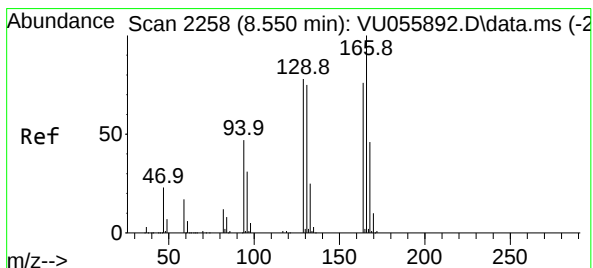
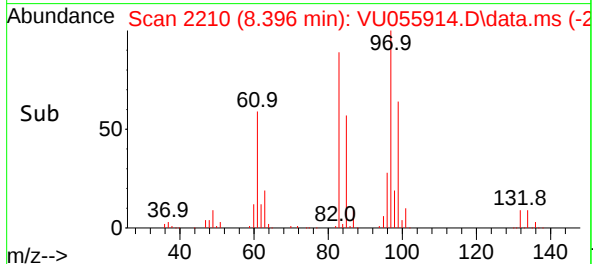
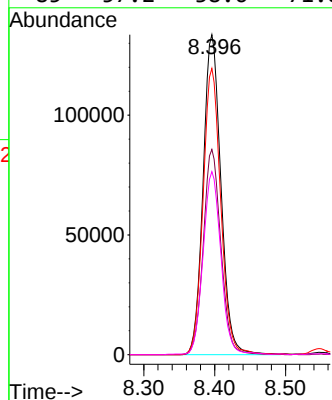
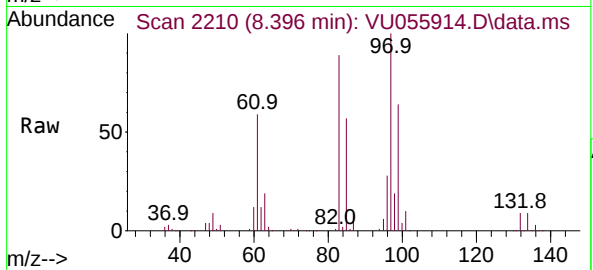


#45
1,1,2-Trichloroethane
Concen: 49.323 ug/L
RT: 8.396 min Scan# 211
Delta R.T. -0.000 min
Lab File: VU055914.D
Acq: 26 Oct 2023 18:49

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 233149

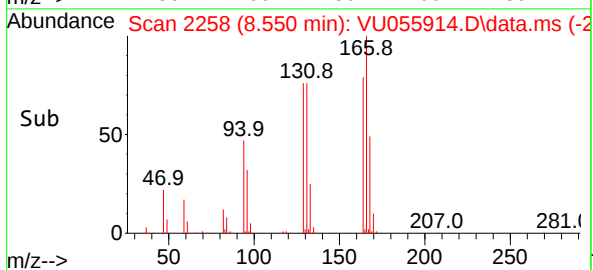
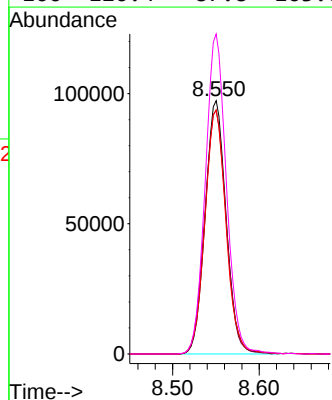
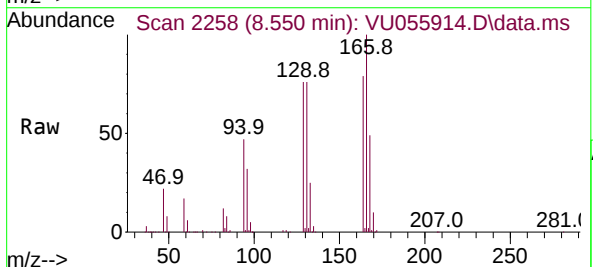
Ion	Ratio	Lower	Upper
97	100		
99	64.2	44.4	82.5
83	89.5	60.4	112.2
85	57.2	38.6	71.8

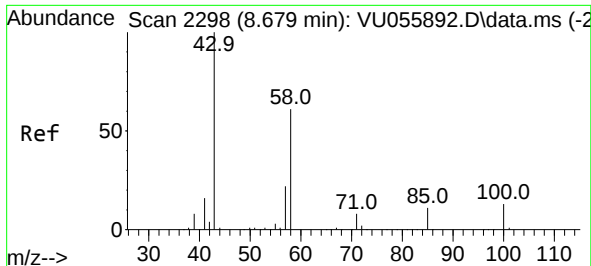


#46
Tetrachloroethene
Concen: 48.045 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU055914.D
Acq: 26 Oct 2023 18:49

Tgt Ion: 164 Resp: 163857

Ion	Ratio	Lower	Upper
164	100		
129	96.1	70.7	131.3
131	96.4	65.9	122.5
166	126.4	87.8	163.0

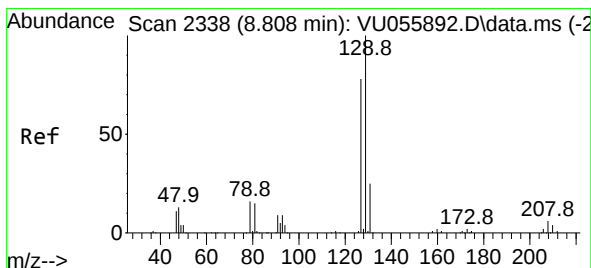
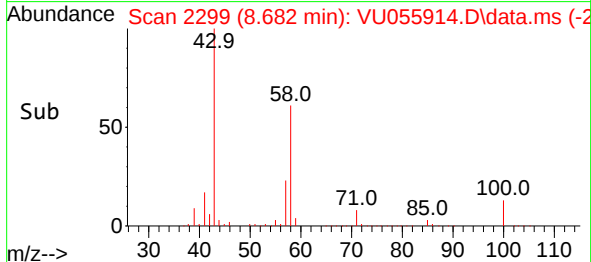
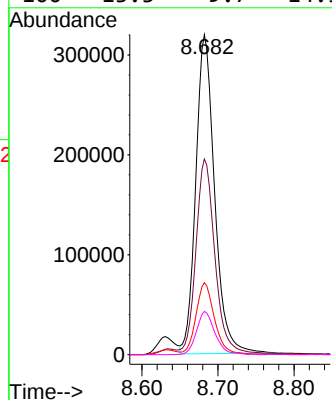
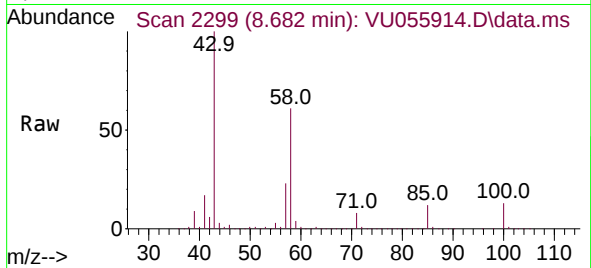




#48
2-Hexanone
Concen: 97.873 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055914.D
Acq: 26 Oct 2023 18:49

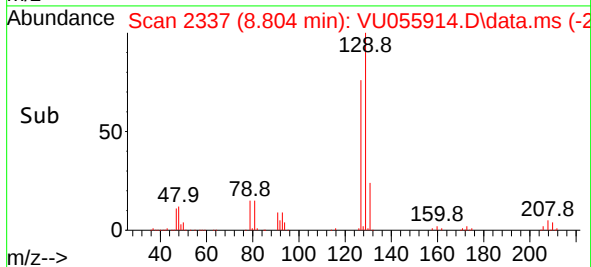
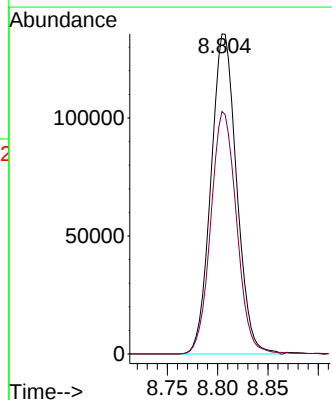
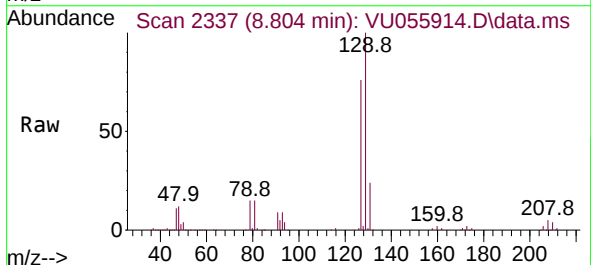
Instrument :
MSVOA_U
ClientSampleId :

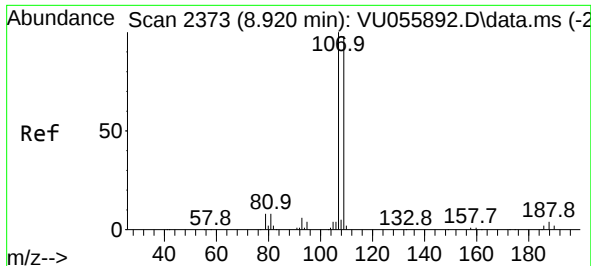
Tgt Ion: 43 Resp: 551340
Ion Ratio Lower Upper
43 100
58 62.1 45.2 67.8
57 21.9 16.1 24.1
100 13.3 9.7 14.5



#49
Dibromochloromethane
Concen: 49.844 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.003 min
Lab File: VU055914.D
Acq: 26 Oct 2023 18:49

Tgt Ion:129 Resp: 240741
Ion Ratio Lower Upper
129 100
127 75.7 54.0 100.4

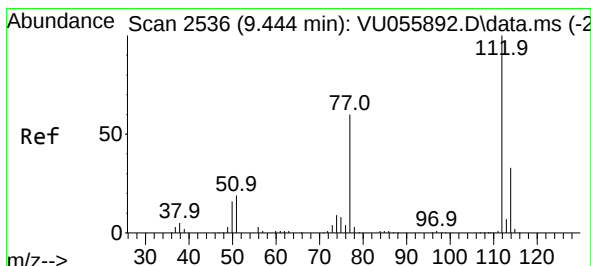
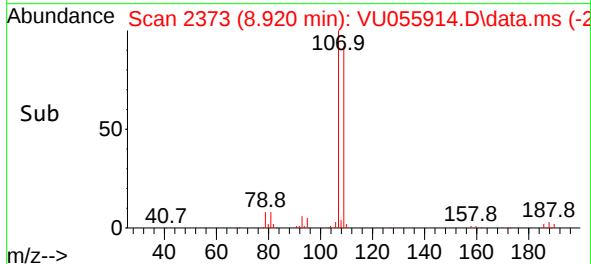
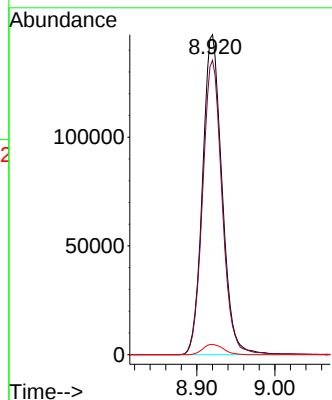
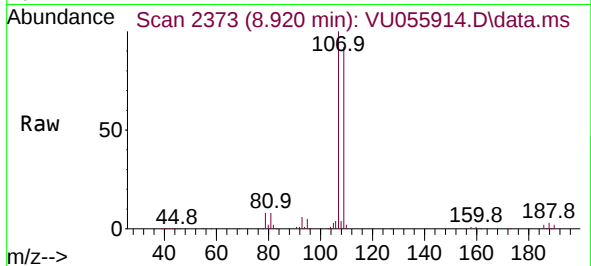




#50
1,2-Dibromoethane
Concen: 50.239 ug/L
RT: 8.920 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055914.D
Acq: 26 Oct 2023 18:49

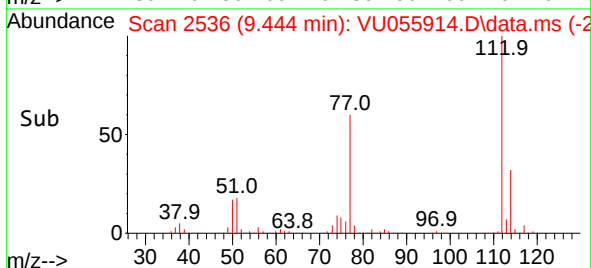
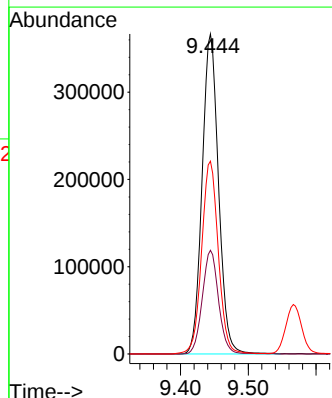
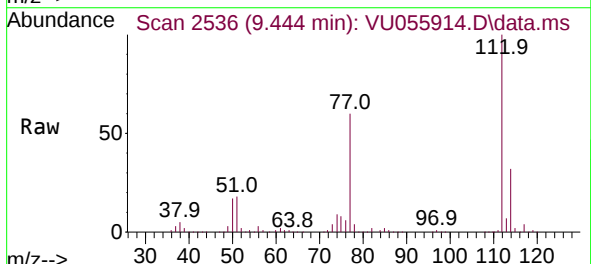
Instrument :
MSVOA_U
ClientSampleId :

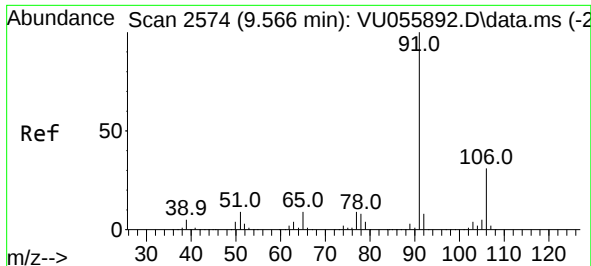
Tgt Ion:107 Resp: 255074
Ion Ratio Lower Upper
107 100
109 92.0 66.7 123.9
188 3.4 2.6 4.0



#51
Chlorobenzene
Concen: 51.863 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. -0.000 min
Lab File: VU055914.D
Acq: 26 Oct 2023 18:49

Tgt Ion:112 Resp: 616415
Ion Ratio Lower Upper
112 100
114 32.4 22.0 40.8
77 60.2 49.0 73.6

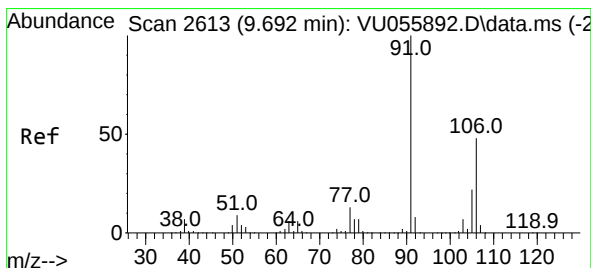
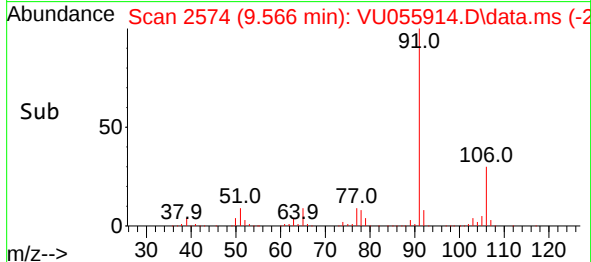
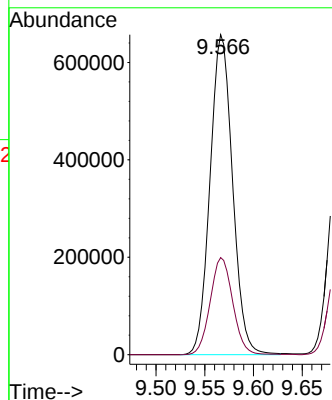
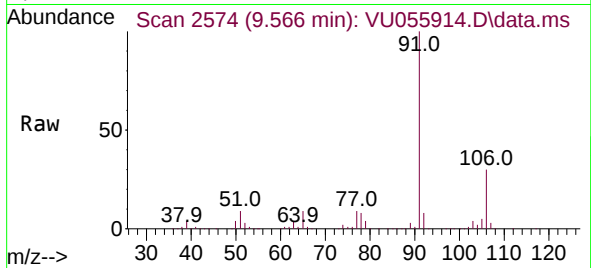




#52
Ethylbenzene
Concen: 52.509 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055914.D
Acq: 26 Oct 2023 18:49

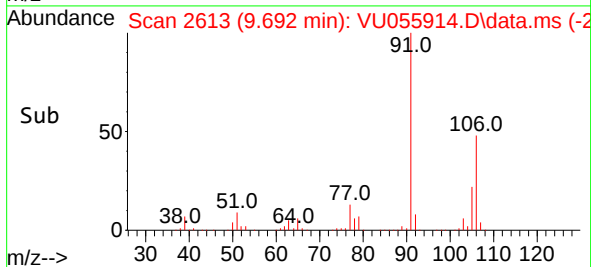
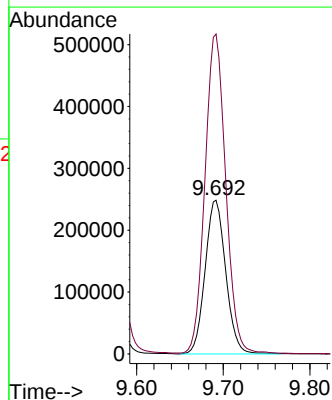
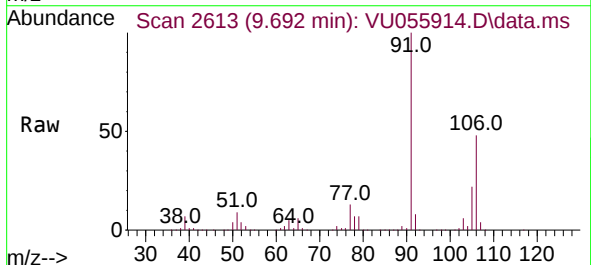
Instrument :
MSVOA_U
ClientSampleId :

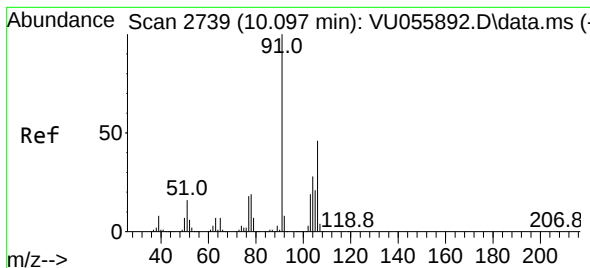
Tgt Ion: 91 Resp: 1054558
Ion Ratio Lower Upper
91 100
106 30.4 21.2 39.4



#53
m,p-Xylene
Concen: 54.706 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU055914.D
Acq: 26 Oct 2023 18:49

Tgt Ion: 106 Resp: 411608
Ion Ratio Lower Upper
106 100
91 208.1 143.8 267.0





#54

o-Xylene

Concen: 56.598 ug/L

RT: 10.097 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU055914.D

Acq: 26 Oct 2023 18:49

Instrument :

MSVOA_U

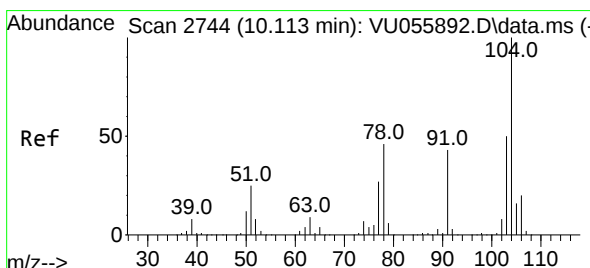
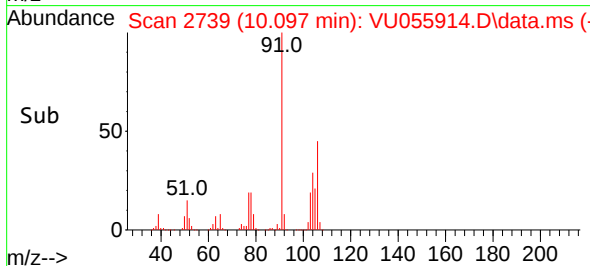
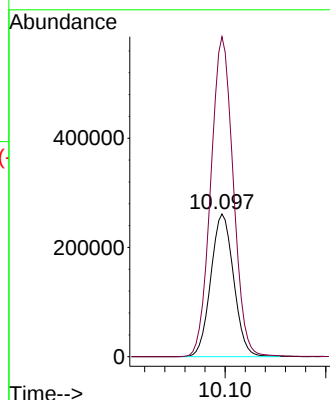
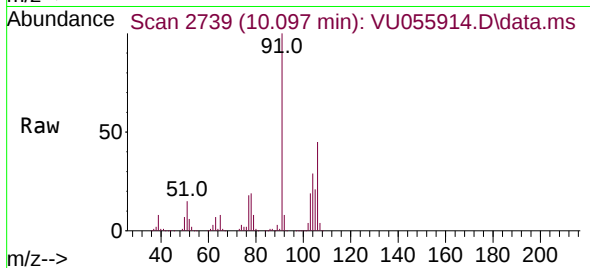
ClientSampleId :

Tgt Ion:106 Resp: 412090

Ion Ratio Lower Upper

106 100

91 224.2 151.8 282.0



#55

Styrene

Concen: 58.998 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. -0.003 min

Lab File: VU055914.D

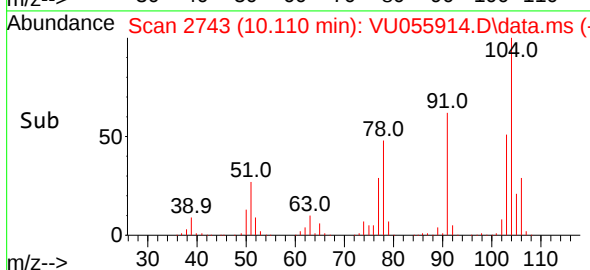
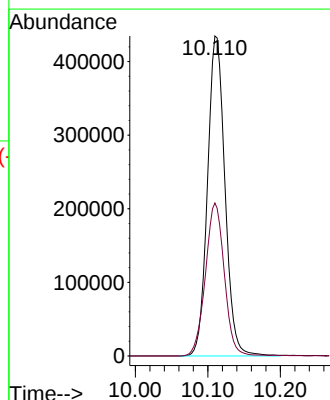
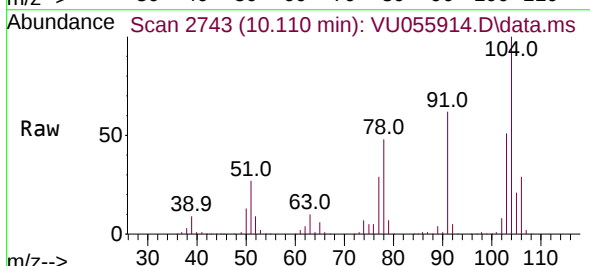
Acq: 26 Oct 2023 18:49

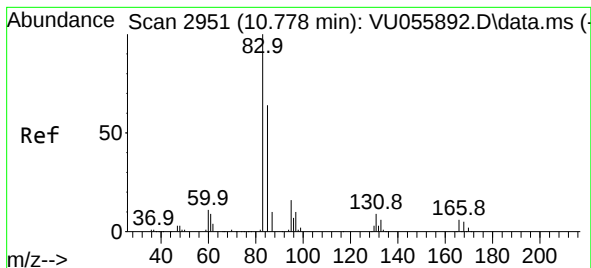
Tgt Ion:104 Resp: 727691

Ion Ratio Lower Upper

104 100

78 47.8 33.6 62.4





#57

1,1,2,2-Tetrachloroethane

Concen: 54.865 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. -0.000 min

Lab File: VU055914.D

Acq: 26 Oct 2023 18:49

Instrument :

MSVOA_U

ClientSampleId :

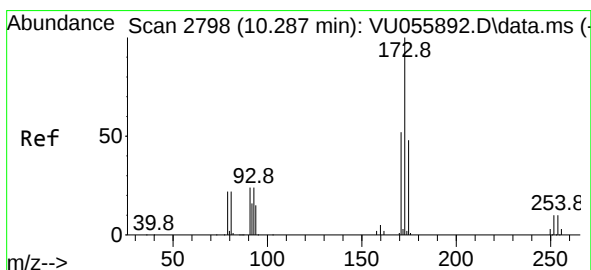
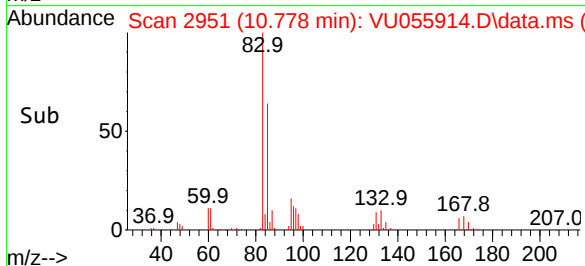
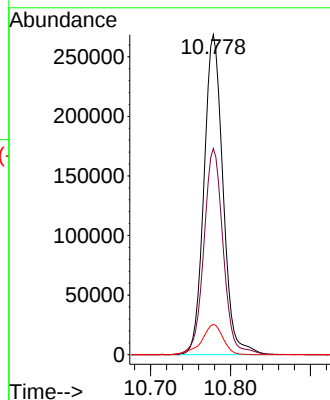
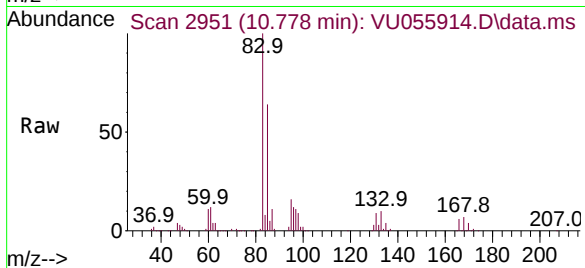
Tgt Ion: 83 Resp: 444079

Ion Ratio Lower Upper

83 100

85 64.4 44.9 83.5

131 9.5 7.3 10.9



#59

Bromoform

Concen: 52.269 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. -0.000 min

Lab File: VU055914.D

Acq: 26 Oct 2023 18:49

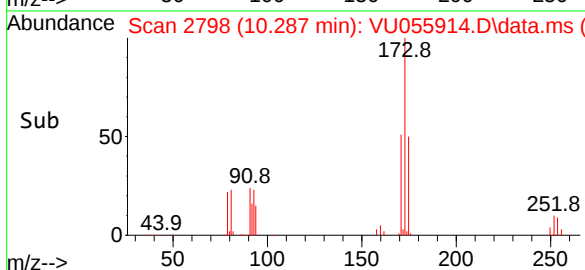
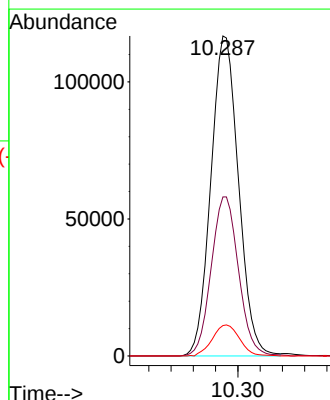
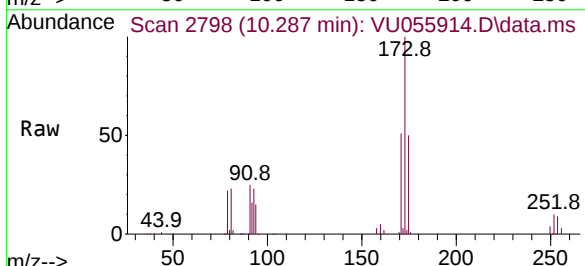
Tgt Ion:173 Resp: 200860

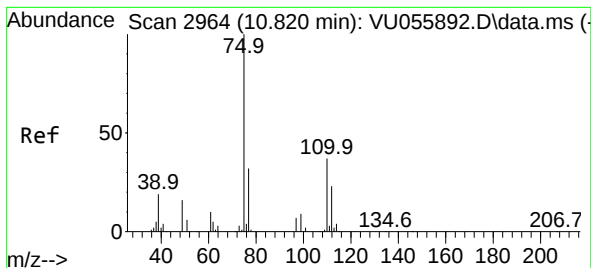
Ion Ratio Lower Upper

173 100

175 49.1 40.4 60.6

254 9.6 7.3 10.9





#60

1,2,3-Trichloropropane

Concen: 51.488 ug/L

RT: 10.820 min Scan# 2964

Delta R.T. -0.000 min

Lab File: VU055914.D

Acq: 26 Oct 2023 18:49

Instrument :

MSVOA_U

ClientSampleId :

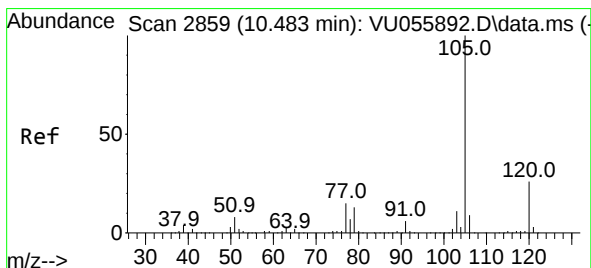
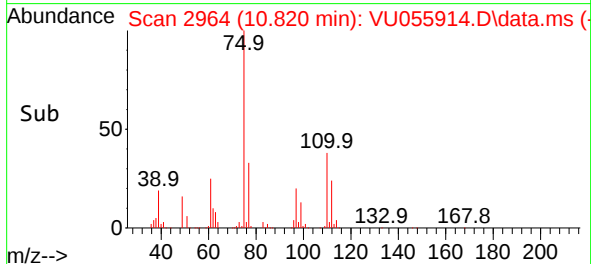
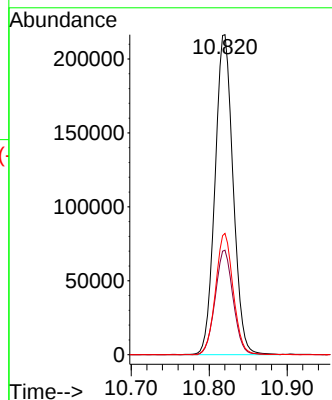
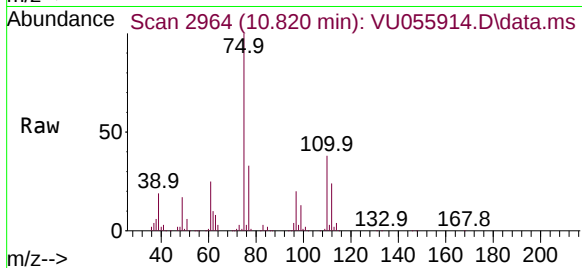
Tgt Ion: 75 Resp: 348824

Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.8

110 37.0 28.5 42.7



#61

Isopropylbenzene

Concen: 56.398 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. -0.003 min

Lab File: VU055914.D

Acq: 26 Oct 2023 18:49

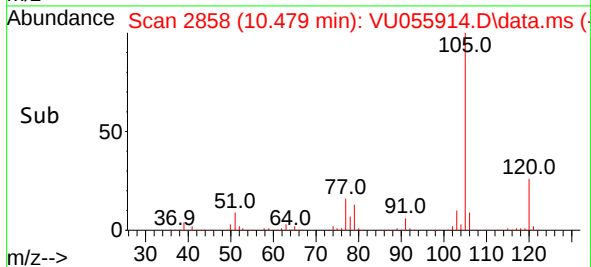
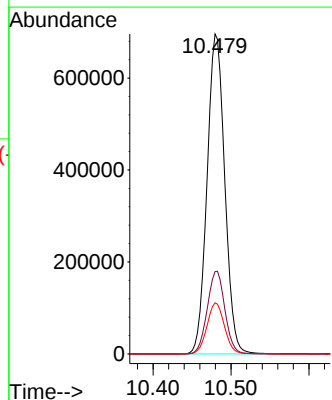
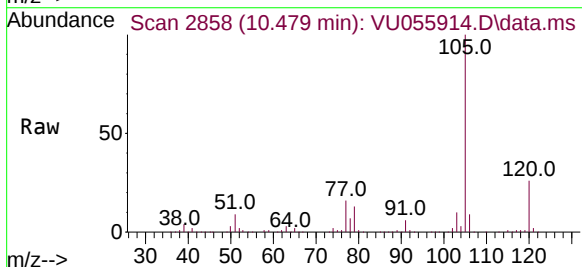
Tgt Ion: 105 Resp: 1097532

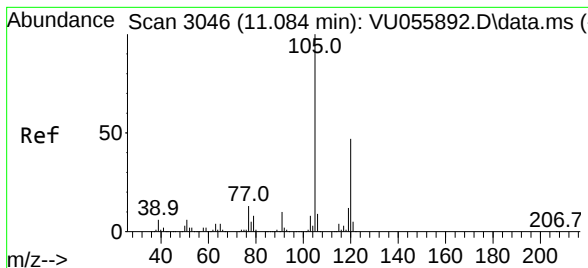
Ion Ratio Lower Upper

105 100

120 25.8 20.6 30.8

77 15.8 13.4 20.0

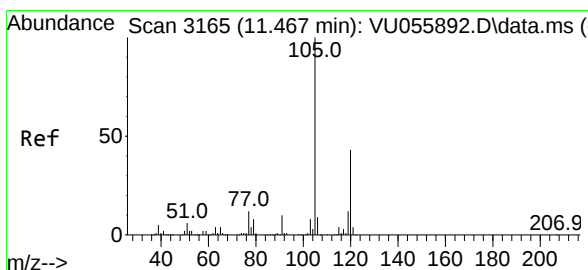
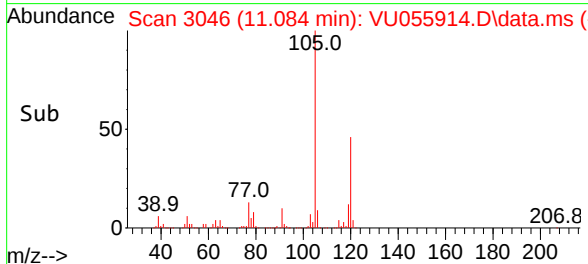
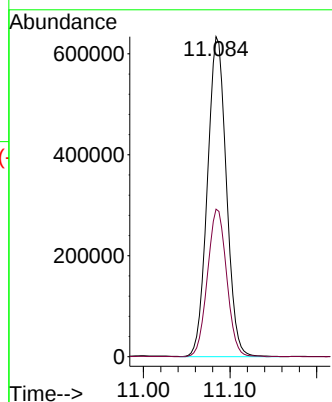
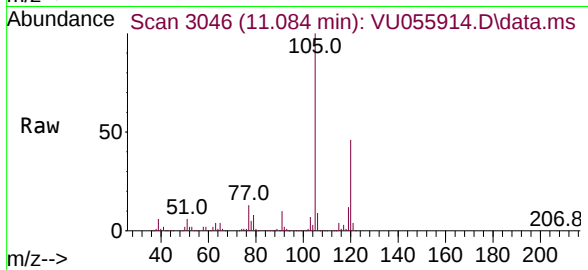




#62
1,3,5-Trimethylbenzene
Concen: 61.206 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. -0.000 min
Lab File: VU055914.D
Acq: 26 Oct 2023 18:49

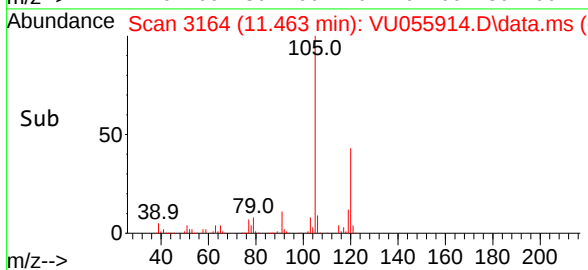
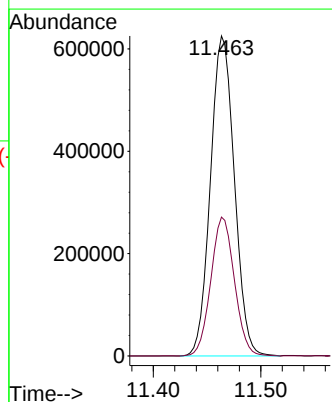
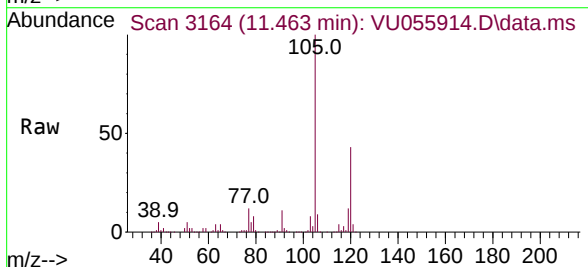
Instrument :
MSVOA_U
ClientSampleId :

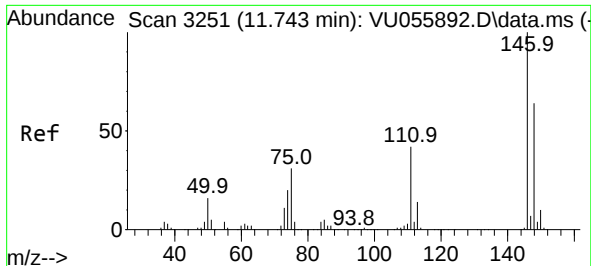
Tgt Ion:105 Resp: 963805
Ion Ratio Lower Upper
105 100
120 46.7 37.7 56.5



#63
1,2,4-Trimethylbenzene
Concen: 62.113 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. -0.003 min
Lab File: VU055914.D
Acq: 26 Oct 2023 18:49

Tgt Ion:105 Resp: 967150
Ion Ratio Lower Upper
105 100
120 42.7 35.0 52.4

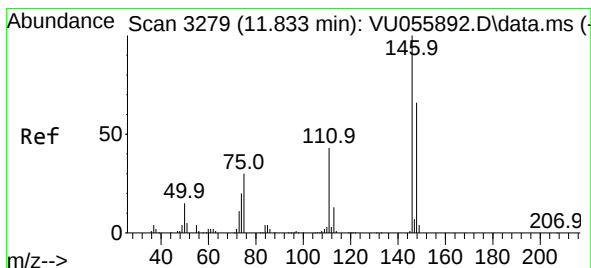
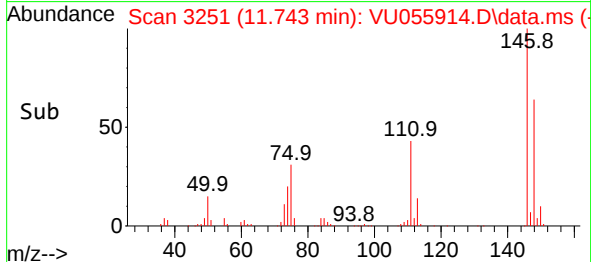
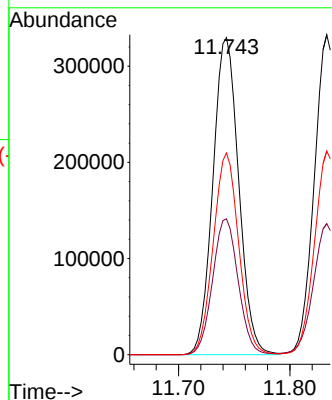
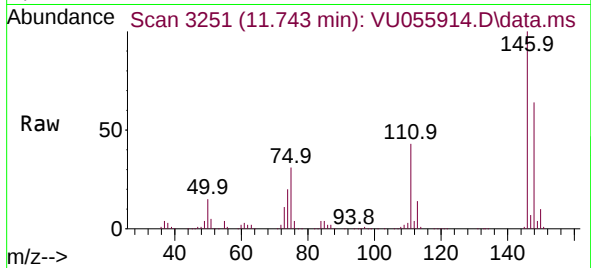




#64
1,3-Dichlorobenzene
Concen: 55.133 ug/L
RT: 11.743 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU055914.D
Acq: 26 Oct 2023 18:49

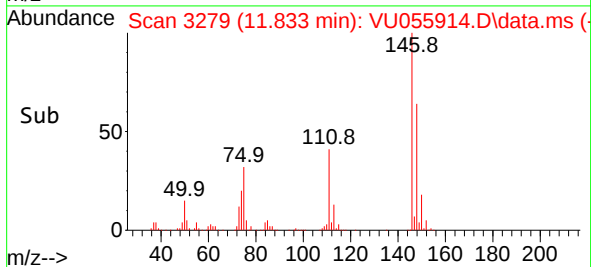
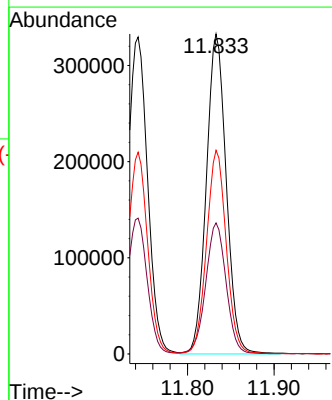
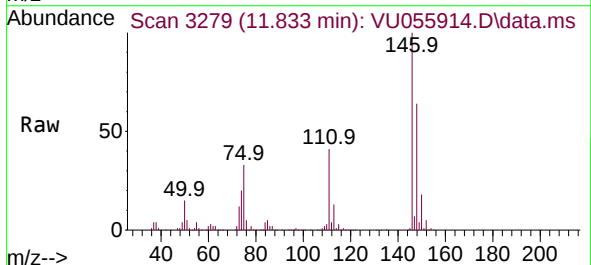
Instrument :
MSVOA_U
ClientSampleId :

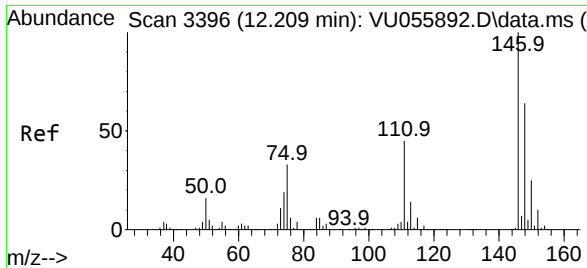
Tgt Ion:146 Resp: 530386
Ion Ratio Lower Upper
146 100
111 42.9 29.7 55.1
148 63.6 45.0 83.6



#65
1,4-Dichlorobenzene
Concen: 53.796 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU055914.D
Acq: 26 Oct 2023 18:49

Tgt Ion:146 Resp: 532088
Ion Ratio Lower Upper
146 100
111 40.9 28.6 53.0
148 63.6 44.2 82.0

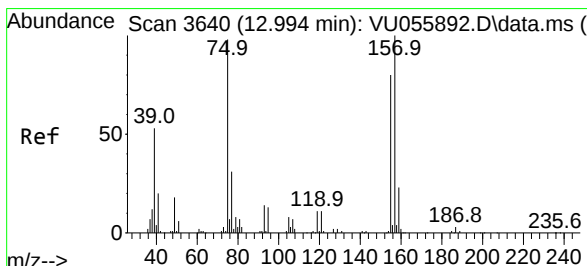
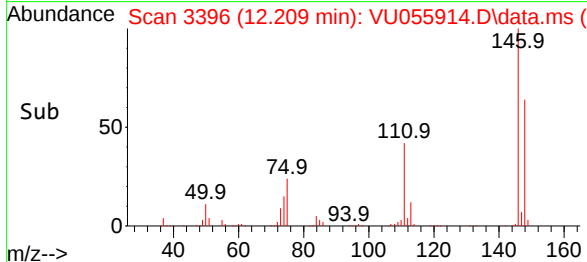
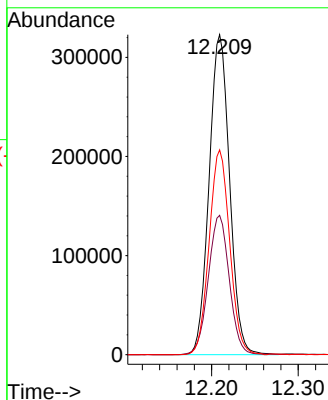
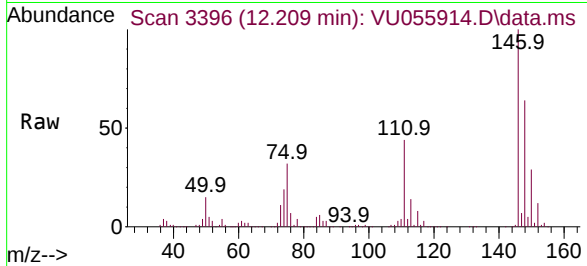




#67
1,2-Dichlorobenzene
Concen: 55.599 ug/L
RT: 12.209 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU055914.D
Acq: 26 Oct 2023 18:49

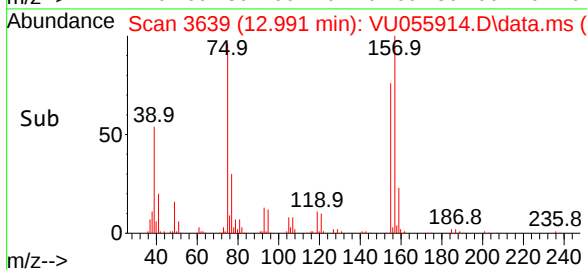
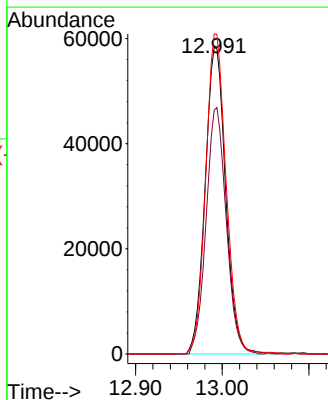
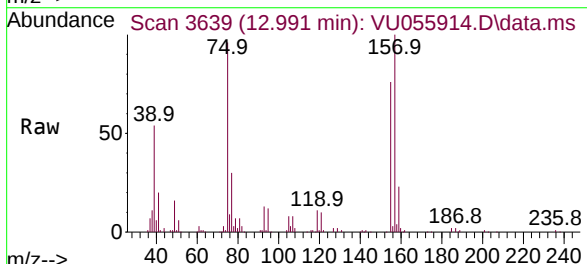
Instrument :
MSVOA_U
ClientSampleId :

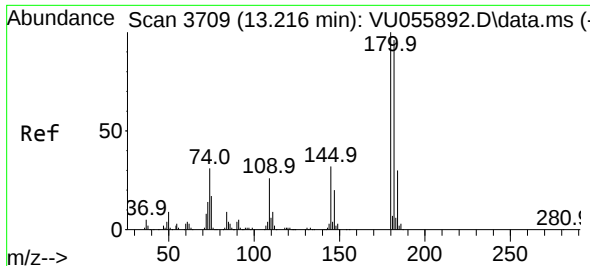
Tgt Ion:146 Resp: 530792
Ion Ratio Lower Upper
146 100
111 43.5 35.2 52.8
148 64.0 52.3 78.5



#68
1,2-Dibromo-3-chloropropane
Concen: 47.481 ug/L
RT: 12.991 min Scan# 3639
Delta R.T. -0.003 min
Lab File: VU055914.D
Acq: 26 Oct 2023 18:49

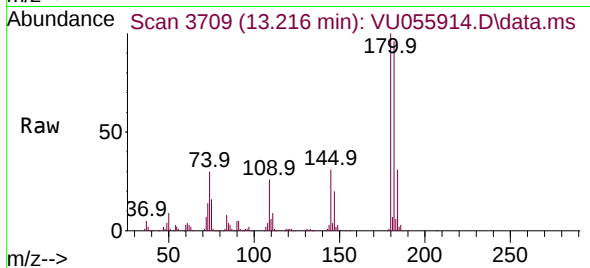
Tgt Ion: 75 Resp: 96170
Ion Ratio Lower Upper
75 100
155 79.5 59.6 89.4
157 104.4 77.7 116.5



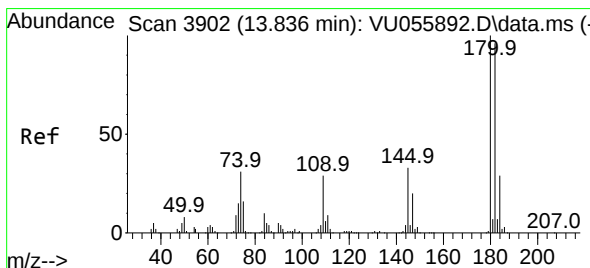
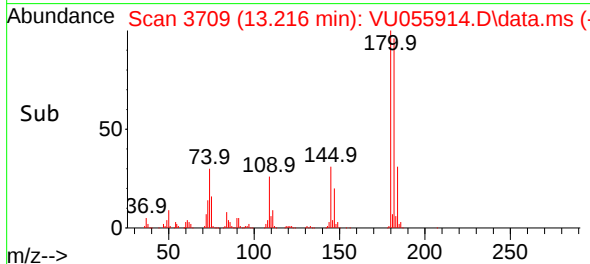
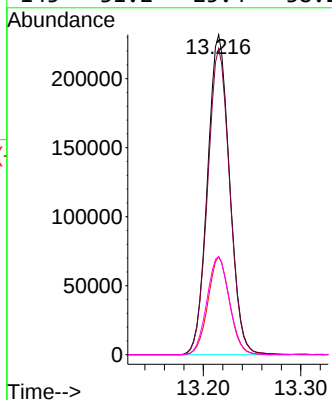


#69
 1,3,5-Trichlorobenzene
 Concen: 56.979 ug/L
 RT: 13.216 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU055914.D
 Acq: 26 Oct 2023 18:49

Instrument :
 MSVOA_U
 ClientSampleId :

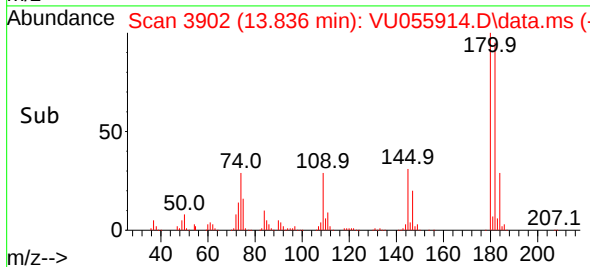
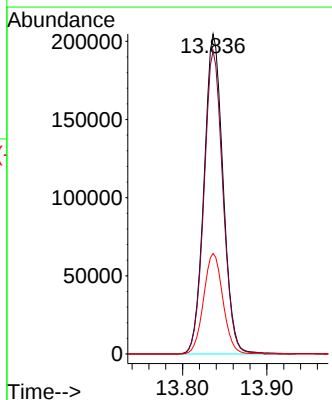
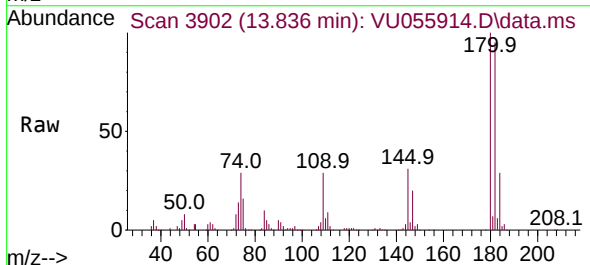


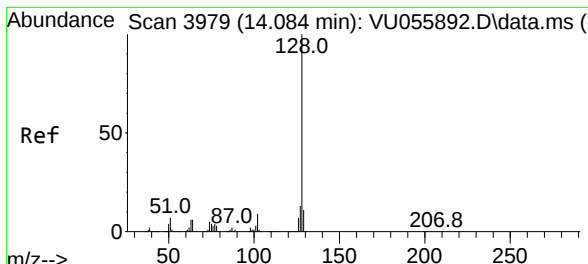
Tgt Ion:180 Resp: 365629
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.2 114.2
 184 29.9 23.9 35.9
 145 31.2 25.4 38.2



#70
 1,2,4-trichlorobenzene
 Concen: 60.128 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. -0.000 min
 Lab File: VU055914.D
 Acq: 26 Oct 2023 18:49

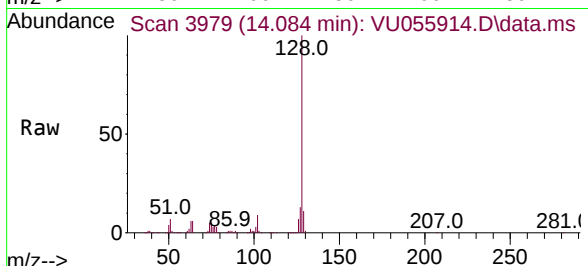
Tgt Ion:180 Resp: 321381
 Ion Ratio Lower Upper
 180 100
 182 94.0 75.4 113.2
 145 31.9 26.1 39.1



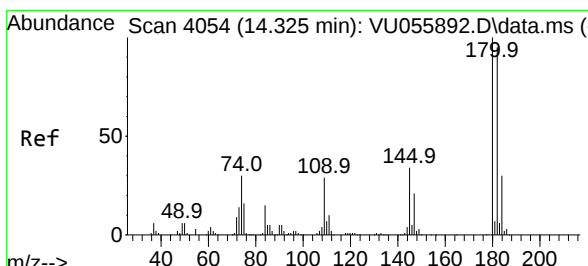
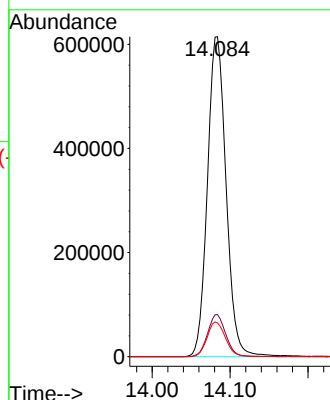
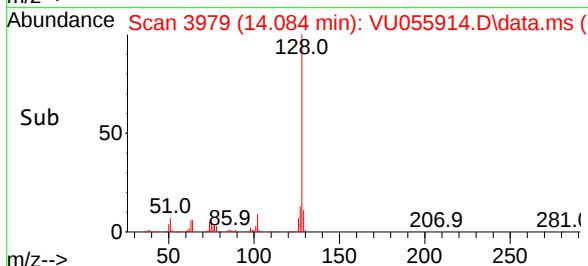


#71
Naphthalene
Concen: 64.363 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. -0.000 min
Lab File: VU055914.D
Acq: 26 Oct 2023 18:49

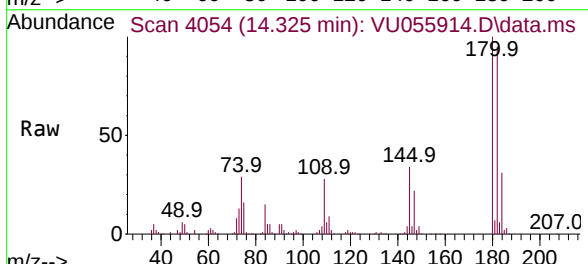
Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 1021918
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 10.7 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 59.912 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.000 min
Lab File: VU055914.D
Acq: 26 Oct 2023 18:49



Tgt Ion:180 Resp: 315725
Ion Ratio Lower Upper
180 100
182 95.4 78.1 117.1
145 34.4 27.4 41.0

