

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102523\
 Data File : VU055890.D
 Acq On : 25 Oct 2023 19:34
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 26 01:57:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 26 01:50:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	528591	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	540600	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	303886	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	170208	35.899	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.800%
7) Chloroethane-d5	1.891	69	153800	39.684	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.360%
11) 1,1-Dichloroethene-d2	2.563	63	343199	40.596	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.200%
21) 2-Butanone-d5	4.615	46	311586	88.690	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.690%
24) Chloroform-d	5.055	84	410621	45.176	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.360%
26) 1,2-Dichloroethane-d4	5.695	65	258077	46.129	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.260%
32) Benzene-d6	5.721	84	789527	45.646	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.300%
36) 1,2-Dichloropropane-d6	6.685	67	258741	47.252	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.500%
41) Toluene-d8	7.894	98	719226	46.050	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.100%
43) trans-1,3-Dichloroprop...	8.174	79	121262	46.100	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.200%
47) 2-Hexanone-d5	8.631	63	287319	133.471	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	133.470%#
56) 1,1,2,2-Tetrachloroeth...	10.753	84	456876	54.205	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.420%
66) 1,2-Dichlorobenzene-d4	12.190	152	323316	53.614	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.220%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	209476	47.594	ug/L	99
3) Chloromethane	1.518	50	215207	51.675	ug/L	100
5) Vinyl chloride	1.602	62	233269	50.897	ug/L	99
6) Bromomethane	1.830	94	91171	31.117	ug/L	99
8) Chloroethane	1.914	64	148588	49.426	ug/L	98
9) Trichlorofluoromethane	2.129	101	334903	51.144	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	210248	49.926	ug/L	97
12) 1,1-Dichloroethene	2.573	96	200263	53.440	ug/L	86
13) Acetone	2.618	43	192733	59.117	ug/L	98
14) Carbon disulfide	2.785	76	540462	47.392	ug/L	98
15) Methyl Acetate	2.940	43	218624	43.787	ug/L	95
16) Methylene chloride	3.039	84	243486	53.578	ug/L	95
17) trans-1,2-Dichloroethene	3.348	96	204498	53.367	ug/L	97
18) Methyl tert-butyl Ether	3.354	73	716138	58.112	ug/L	97
19) 1,1-Dichloroethane	3.859	63	412933	52.548	ug/L	100
20) cis-1,2-Dichloroethene	4.657	96	244230	55.845	ug/L	96
22) 2-Butanone	4.695	43	302865	77.073	ug/L	96
23) Bromochloromethane	4.968	128	125138	55.250	ug/L	92
25) Chloroform	5.081	83	435032	52.994	ug/L	98

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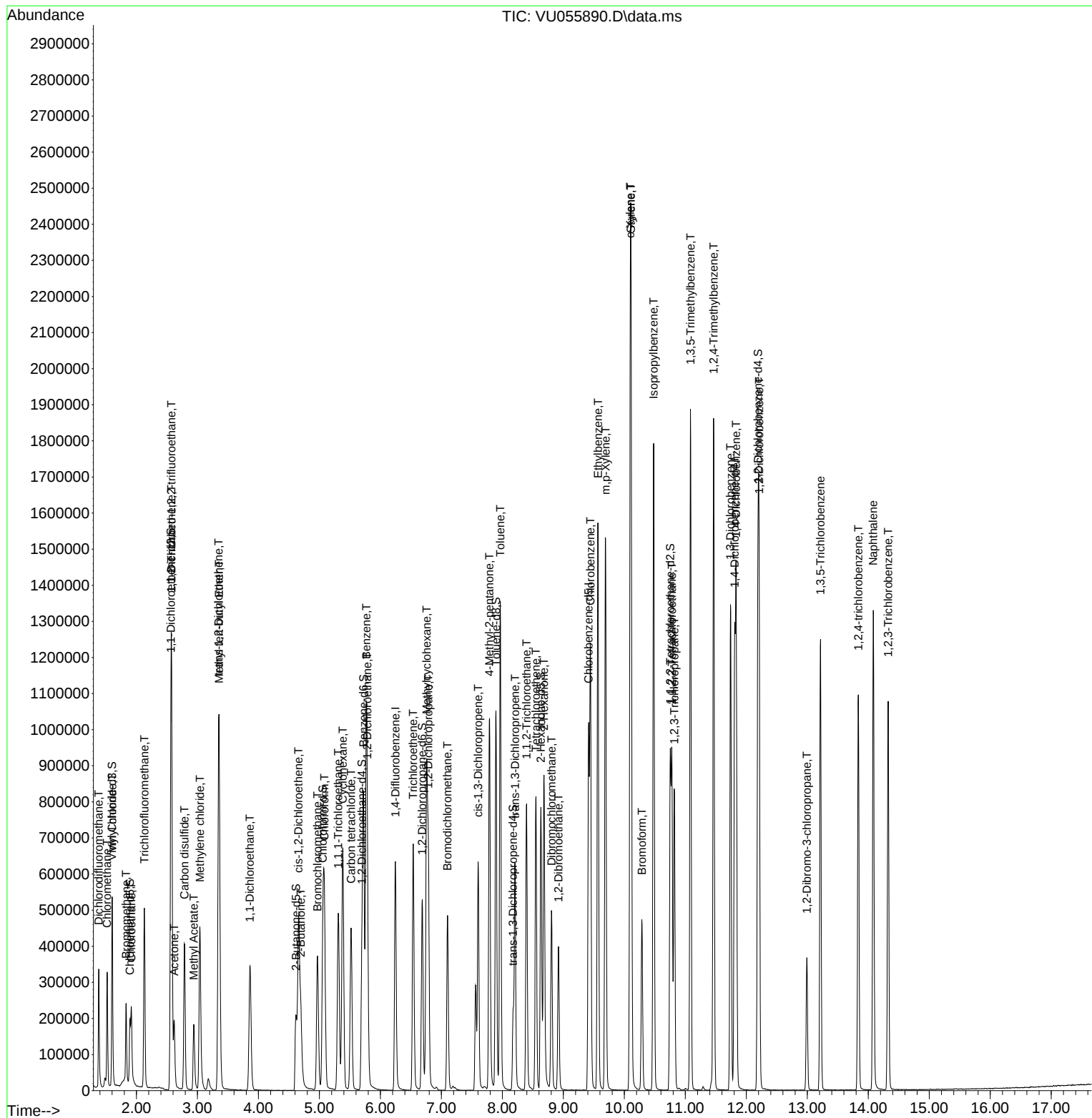
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	338611	51.573	ug/L	99
29) Cyclohexane	5.383	56	352343	56.862	ug/L	99
30) 1,1,1-Trichloroethane	5.309	97	373639	53.497	ug/L	97
31) Carbon tetrachloride	5.518	117	318805	52.148	ug/L	96
33) Benzene	5.769	78	921129	53.903	ug/L	100
34) Trichloroethene	6.538	95	241555	51.661	ug/L	98
35) Methylcyclohexane	6.759	83	354645	52.276	ug/L	98
37) 1,2-Dichloropropane	6.785	63	247436	52.583	ug/L	99
38) Bromodichloromethane	7.100	83	321014	51.731	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	388669	54.291	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	675219	103.144	ug/L	95
42) Toluene	7.965	91	997199	55.302	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	366000	53.433	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	253271	54.584	ug/L	99
46) Tetrachloroethene	8.550	164	182172	54.417	ug/L	98
48) 2-Hexanone	8.682	43	535105	96.772	ug/L	94
49) Dibromochloromethane	8.804	129	263175	55.510	ug/L	98
50) 1,2-Dibromoethane	8.920	107	269126	54.000	ug/L	99
51) Chlorobenzene	9.444	112	661549	56.704	ug/L	99
52) Ethylbenzene	9.566	91	1138746	57.764	ug/L	99
53) m,p-Xylene	9.692	106	442173	59.870	ug/L	98
54) o-Xylene	10.097	106	441481	61.772	ug/L	96
55) Styrene	10.110	104	776488	64.134	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	462725	58.241	ug/L	99
59) Bromoform	10.287	173	217187	58.058	ug/L	97
60) 1,2,3-Trichloropropane	10.817	75	362325	54.937	ug/L	98
61) Isopropylbenzene	10.479	105	1173509	61.944	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	1035592	67.556	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	1037150	68.423	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	557258	59.504	ug/L	100
65) 1,4-Dichlorobenzene	11.833	146	554873	57.628	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	556969	59.930	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	99507	50.467	ug/L	94
69) 1,3,5-Trichlorobenzene	13.216	180	378470	60.587	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	327242	62.892	ug/L	98
71) Naphthalene	14.081	128	1056235	68.336	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	327678	63.874	ug/L	98

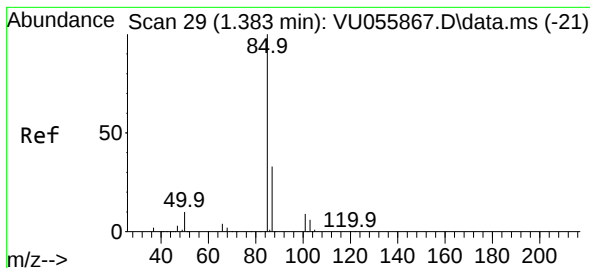
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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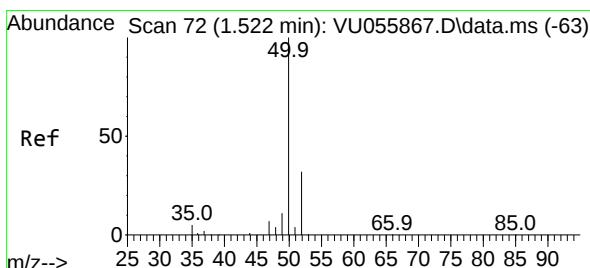
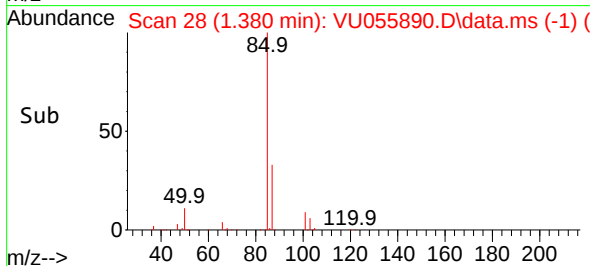
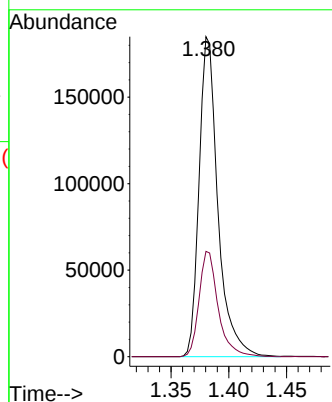
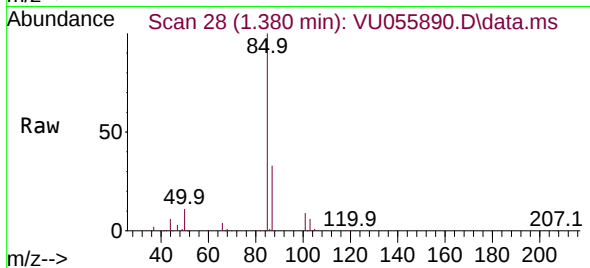




#2
Dichlorodifluoromethane
Concen: 47.594 ug/L
RT: 1.380 min Scan# 29
Delta R.T. -0.003 min
Lab File: VU055890.D
Acq: 25 Oct 2023 19:34

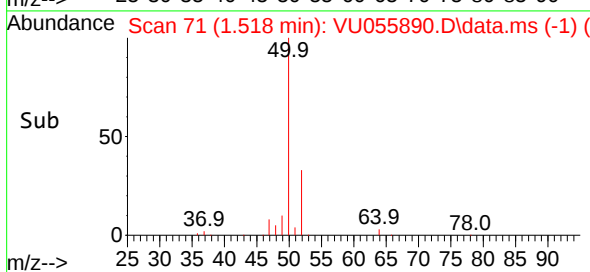
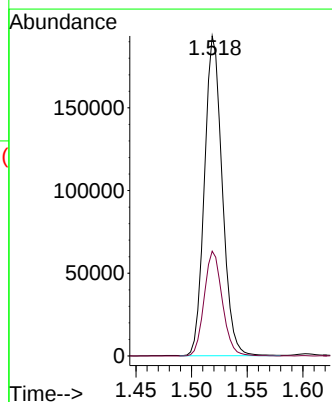
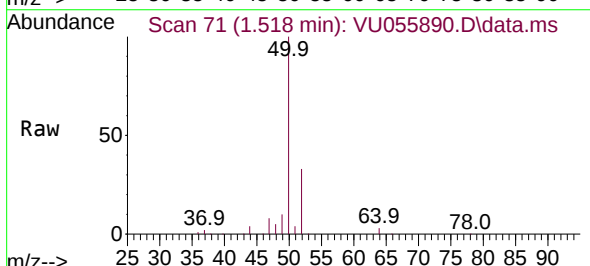
Instrument :
MSVOA_U
ClientSampleId :

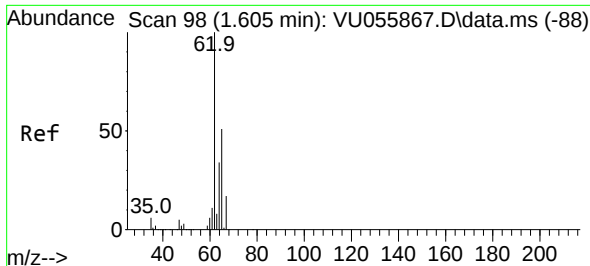
Tgt Ion: 85 Resp: 209476
Ion Ratio Lower Upper
85 100
87 33.3 26.0 39.0



#3
Chloromethane
Concen: 51.675 ug/L
RT: 1.518 min Scan# 71
Delta R.T. -0.003 min
Lab File: VU055890.D
Acq: 25 Oct 2023 19:34

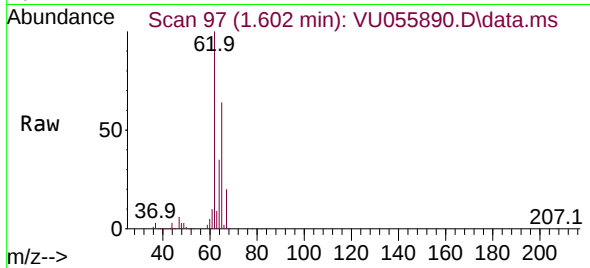
Tgt Ion: 50 Resp: 215207
Ion Ratio Lower Upper
50 100
52 32.7 22.8 42.4



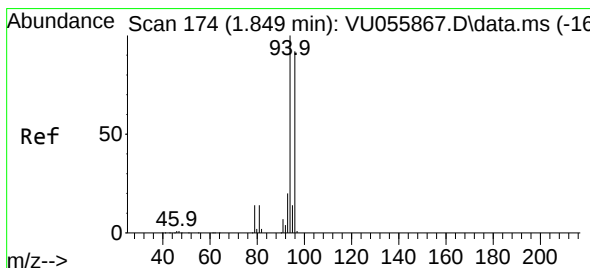
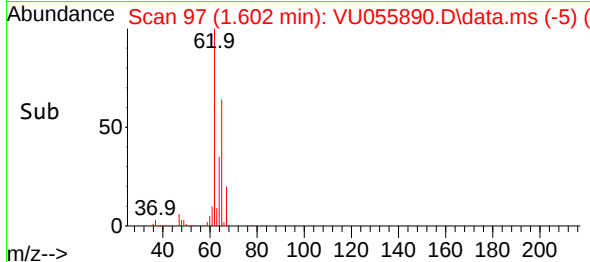
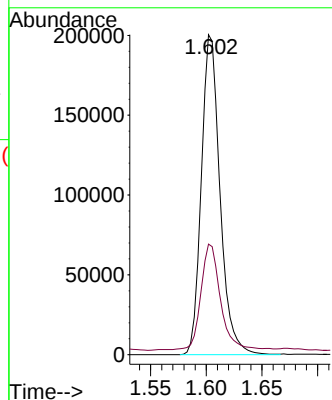


#5
 Vinyl chloride
 Concen: 50.897 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU055890.D
 Acq: 25 Oct 2023 19:34

Instrument :
 MSVOA_U
 ClientSampleId :

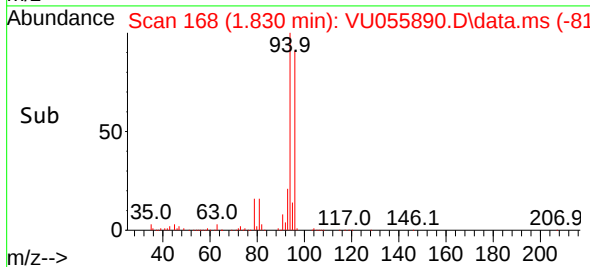
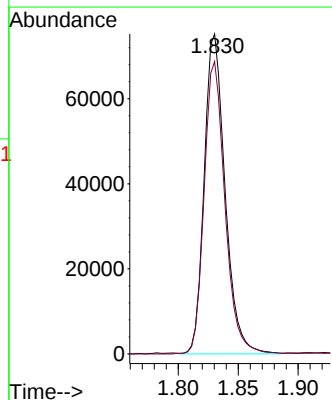
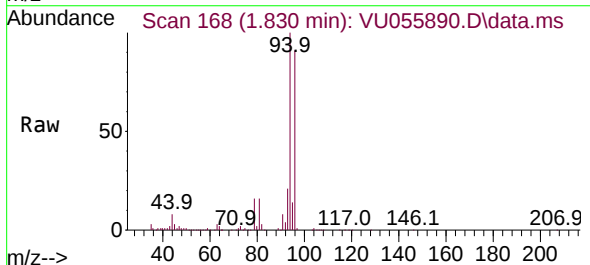


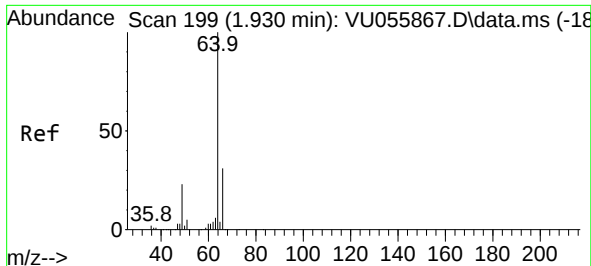
Tgt Ion: 62 Resp: 233269
 Ion Ratio Lower Upper
 62 100
 64 34.6 23.9 44.5



#6
 Bromomethane
 Concen: 31.117 ug/L
 RT: 1.830 min Scan# 168
 Delta R.T. -0.019 min
 Lab File: VU055890.D
 Acq: 25 Oct 2023 19:34

Tgt Ion: 94 Resp: 91171
 Ion Ratio Lower Upper
 94 100
 96 91.4 63.5 117.9

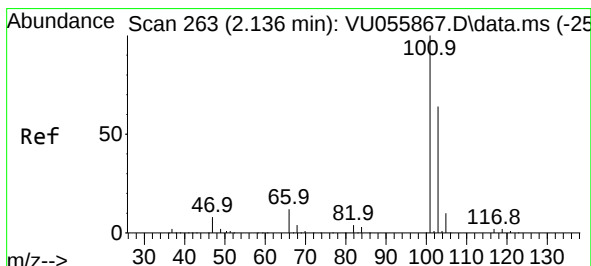
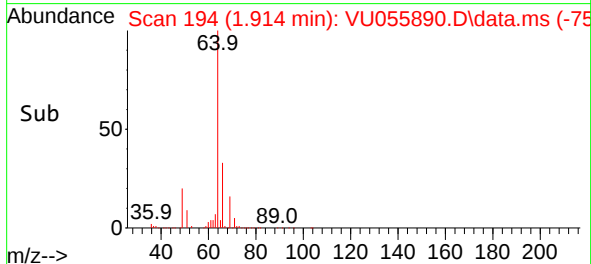
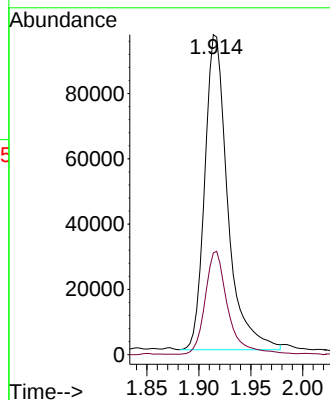
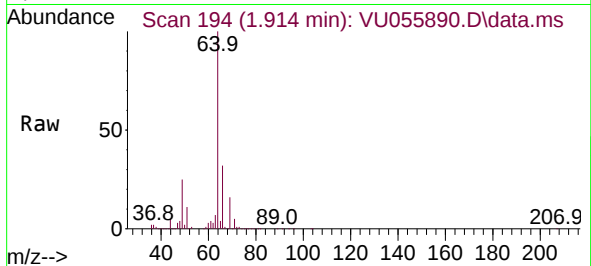




#8
Chloroethane
Concen: 49.426 ug/L
RT: 1.914 min Scan# 194
Delta R.T. -0.016 min
Lab File: VU055890.D
Acq: 25 Oct 2023 19:34

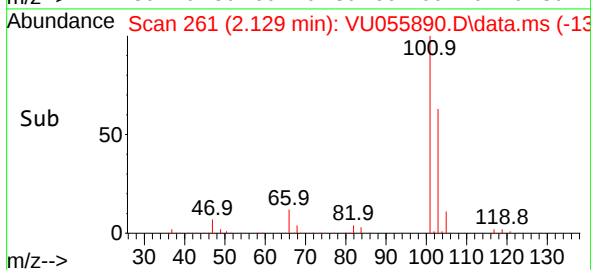
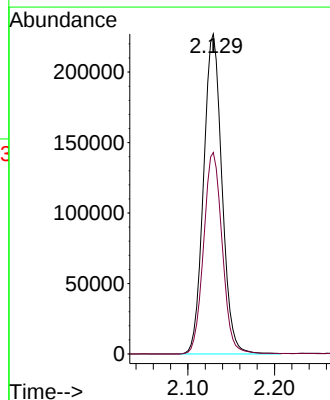
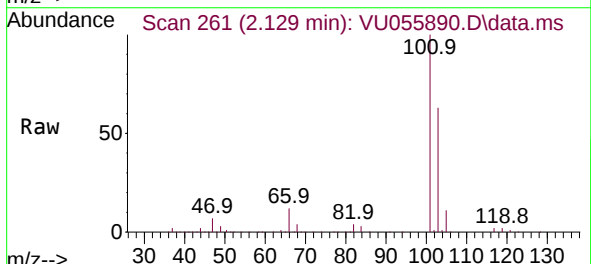
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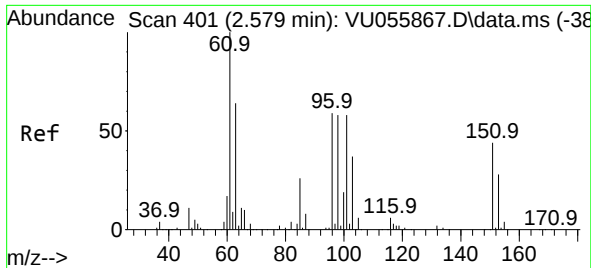
Tgt Ion: 64 Resp: 148588
Ion Ratio Lower Upper
64 100
66 31.8 22.9 42.5



#9
Trichlorofluoromethane
Concen: 51.144 ug/L
RT: 2.129 min Scan# 261
Delta R.T. -0.006 min
Lab File: VU055890.D
Acq: 25 Oct 2023 19:34

Tgt Ion:101 Resp: 334903
Ion Ratio Lower Upper
101 100
103 63.7 51.3 76.9

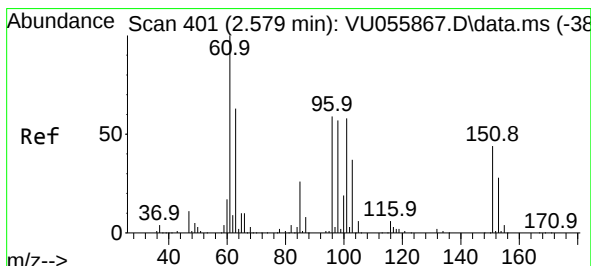
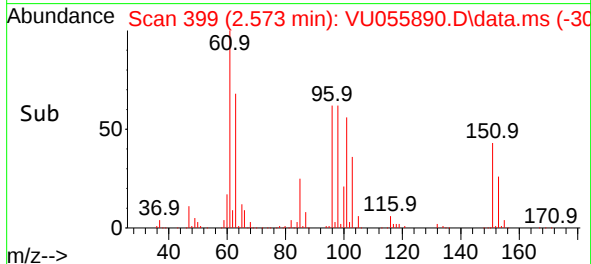
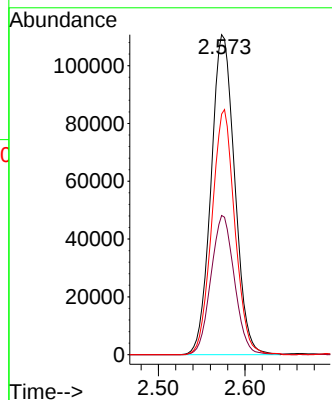
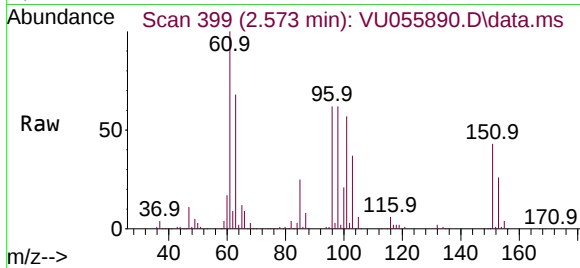




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 49.926 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.006 min
 Lab File: VU055890.D
 Acq: 25 Oct 2023 19:34

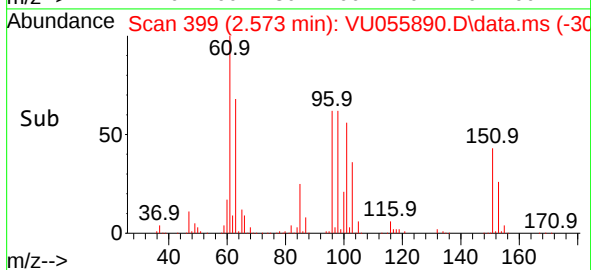
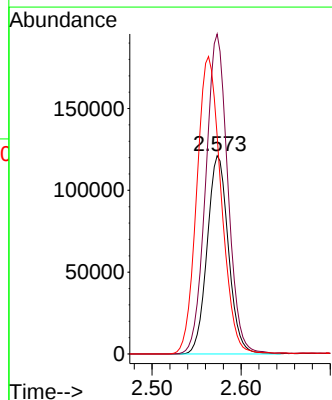
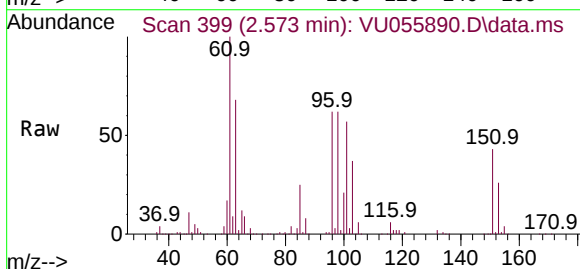
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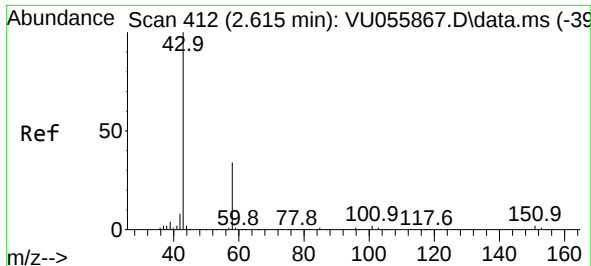
Tgt Ion:101 Resp: 210248
 Ion Ratio Lower Upper
 101 100
 85 43.1 37.1 55.7
 151 74.4 58.2 87.4



#12
 1,1-Dichloroethene
 Concen: 53.440 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.006 min
 Lab File: VU055890.D
 Acq: 25 Oct 2023 19:34

Tgt Ion: 96 Resp: 200263
 Ion Ratio Lower Upper
 96 100
 61 161.4 122.0 226.6
 63 110.0 93.7 174.1





#13

Acetone

Concen: 59.117 ug/L

RT: 2.618 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU055890.D

Acq: 25 Oct 2023 19:34

Instrument :

MSVOA_U

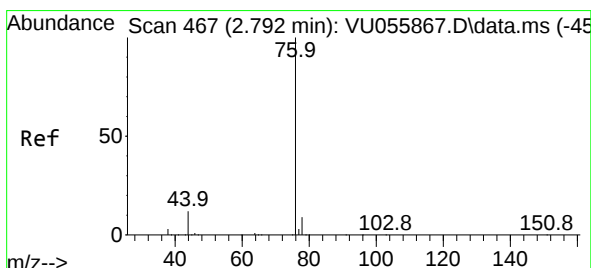
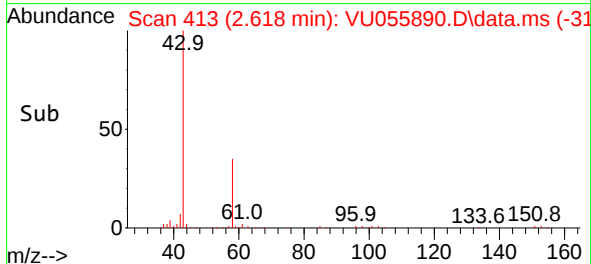
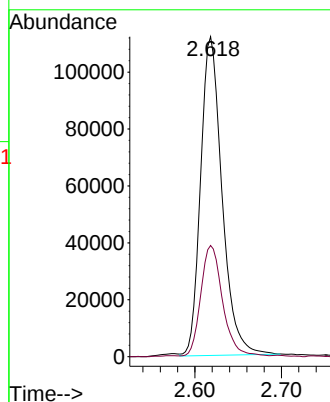
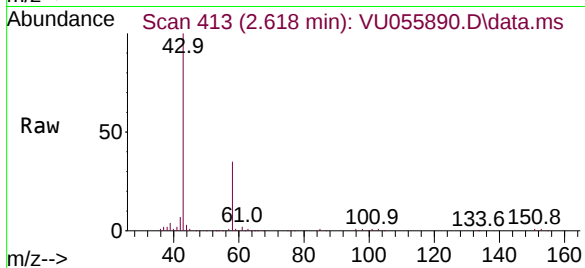
ClientSampleId :

Tgt Ion: 43 Resp: 192733

Ion Ratio Lower Upper

43 100

58 35.1 0.0 67.4



#14

Carbon disulfide

Concen: 47.392 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.006 min

Lab File: VU055890.D

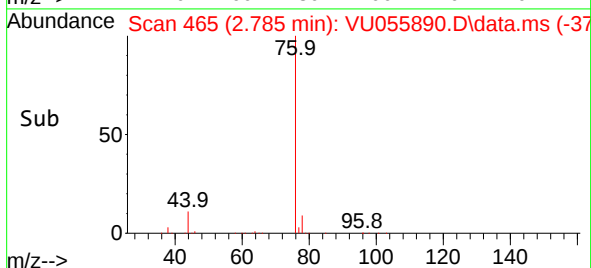
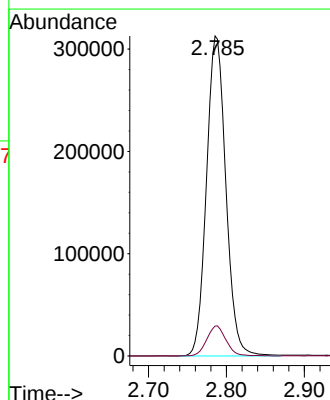
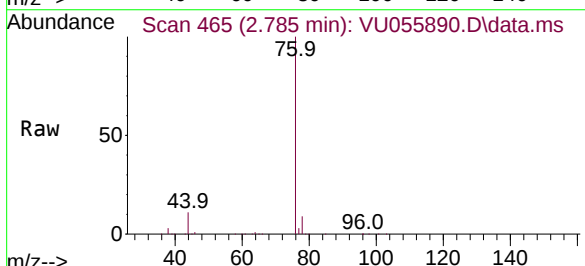
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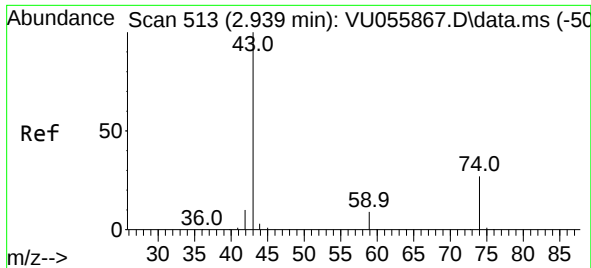
Tgt Ion: 76 Resp: 540462

Ion Ratio Lower Upper

76 100

78 9.4 6.8 10.2

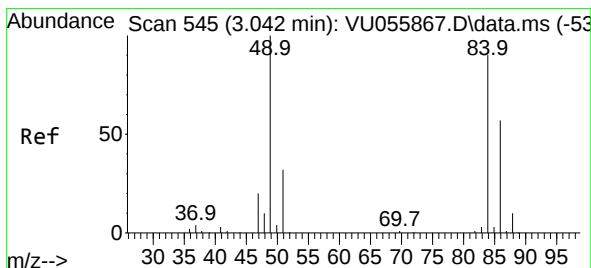
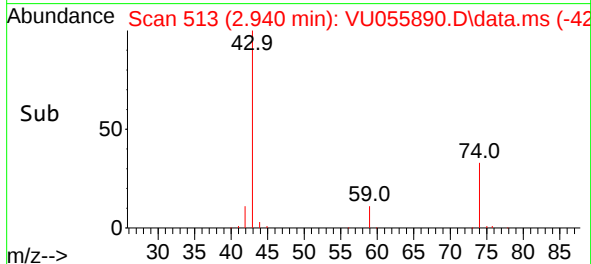
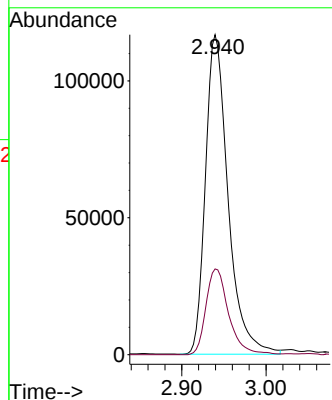
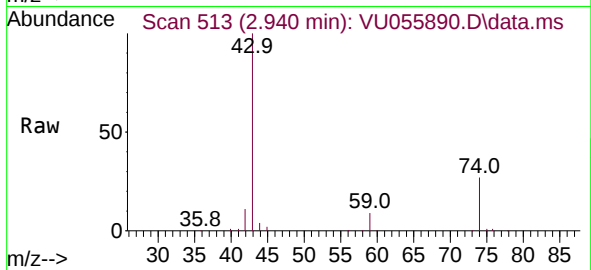




#15
Methyl Acetate
Concen: 43.787 ug/L
RT: 2.940 min Scan# 513
Delta R.T. 0.000 min
Lab File: VU055890.D
Acq: 25 Oct 2023 19:34

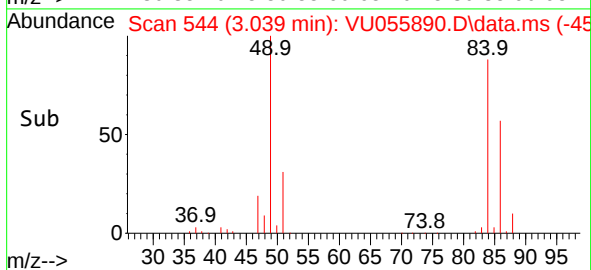
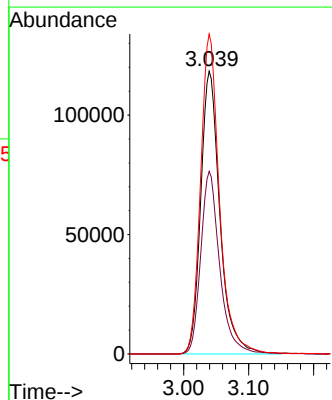
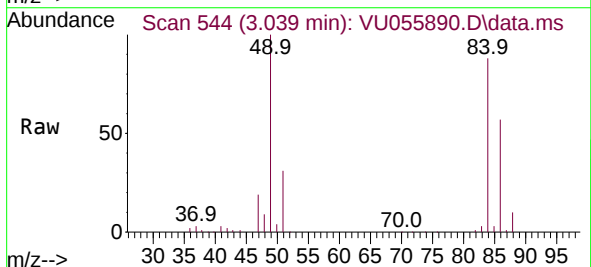
Instrument :
MSVOA_U
ClientSampleId :

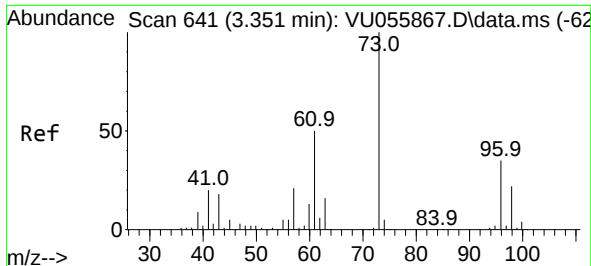
Tgt Ion: 43 Resp: 218624
Ion Ratio Lower Upper
43 100
74 26.9 19.5 29.3



#16
Methylene chloride
Concen: 53.578 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.003 min
Lab File: VU055890.D
Acq: 25 Oct 2023 19:34

Tgt Ion: 84 Resp: 243486
Ion Ratio Lower Upper
84 100
86 64.6 46.3 86.1
49 113.2 84.8 157.6

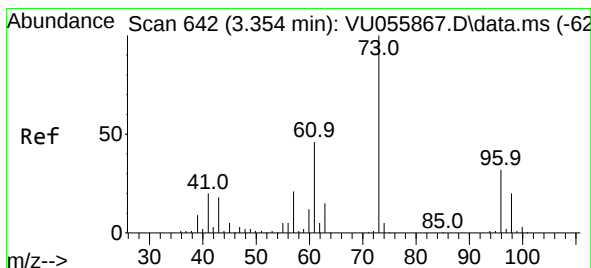
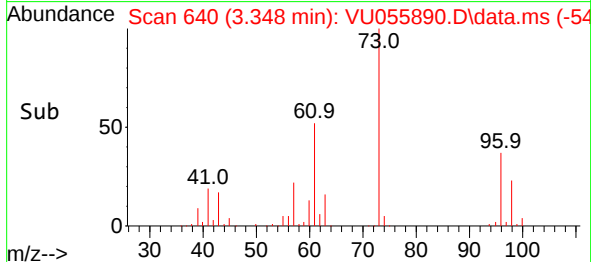
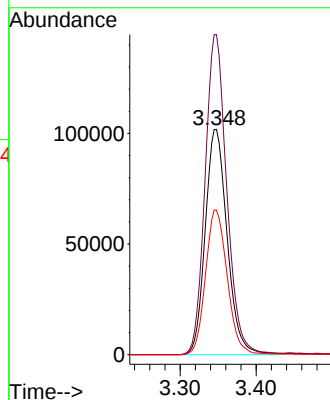
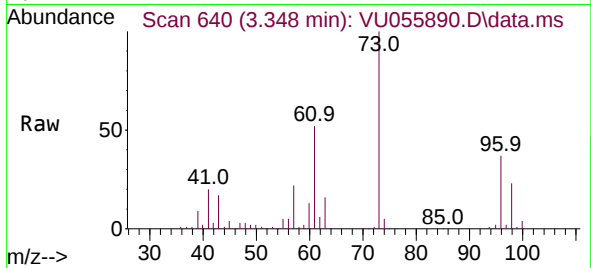




#17
trans-1,2-Dichloroethene
Concen: 53.367 ug/L
RT: 3.348 min Scan# 641
Delta R.T. -0.003 min
Lab File: VU055890.D
Acq: 25 Oct 2023 19:34

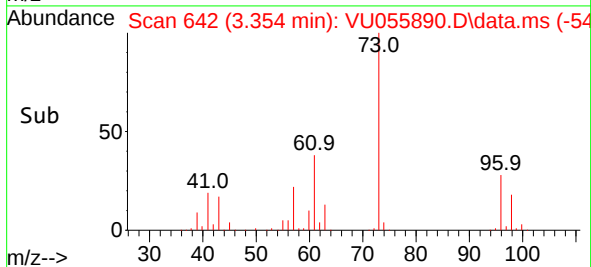
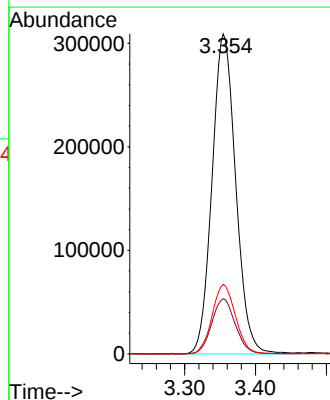
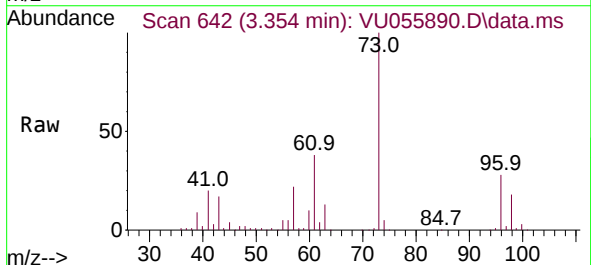
Instrument :
MSVOA_U
ClientSampleId :

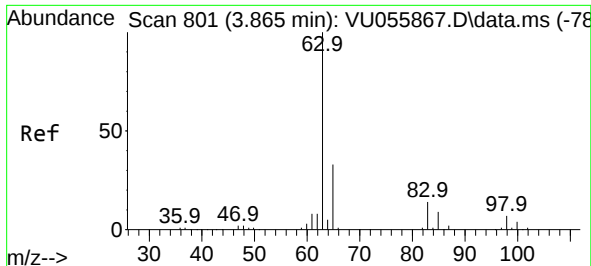
Tgt Ion: 96 Resp: 204498
Ion Ratio Lower Upper
96 100
61 142.1 102.1 189.7
98 64.2 46.3 86.1



#18
Methyl tert-butyl Ether
Concen: 58.112 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU055890.D
Acq: 25 Oct 2023 19:34

Tgt Ion: 73 Resp: 716138
Ion Ratio Lower Upper
73 100
43 17.3 15.4 23.2
57 21.5 17.7 26.5





#19

1,1-Dichloroethane

Concen: 52.548 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.006 min

Lab File: VU055890.D

Acq: 25 Oct 2023 19:34

Instrument :

MSVOA_U

ClientSampleId :

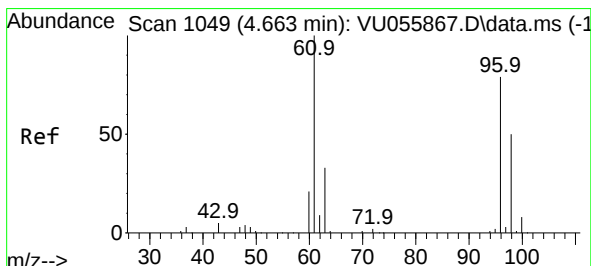
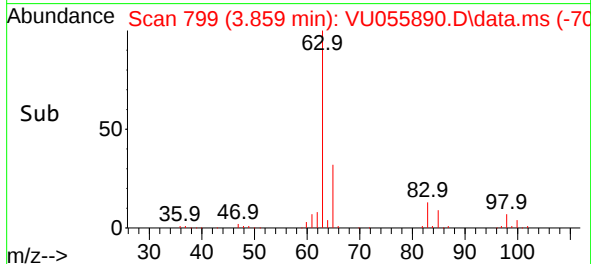
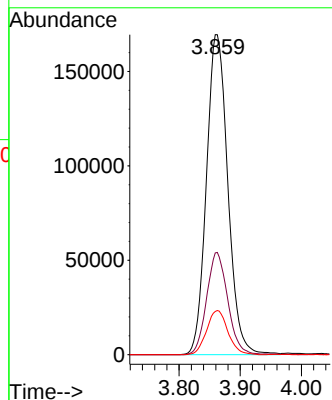
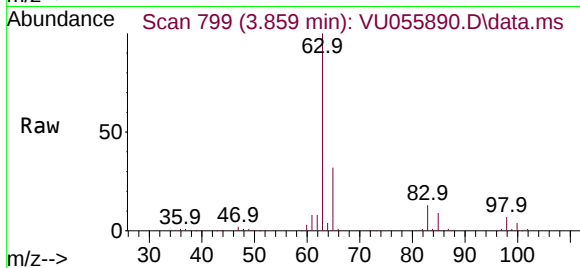
Tgt Ion: 63 Resp: 412933

Ion Ratio Lower Upper

63 100

65 31.8 22.3 41.5

83 13.5 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 55.845 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. -0.006 min

Lab File: VU055890.D

Acq: 25 Oct 2023 19:34

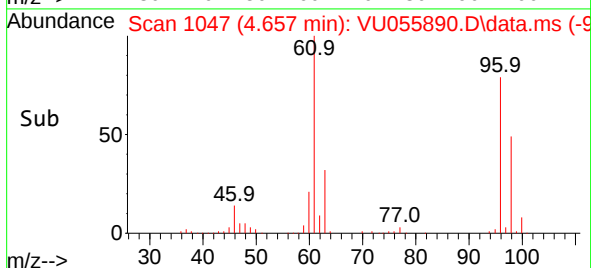
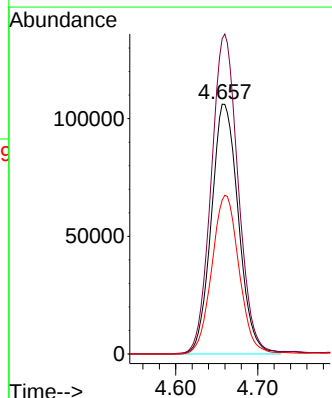
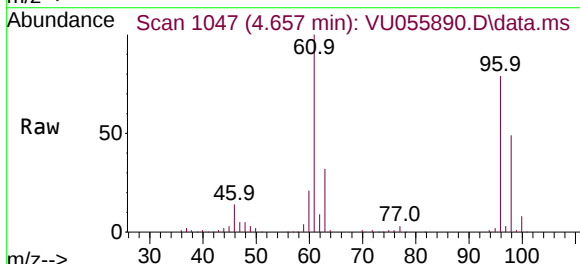
Tgt Ion: 96 Resp: 244230

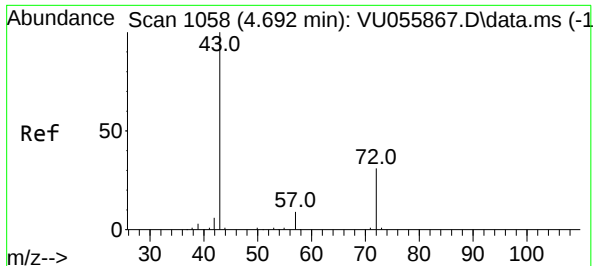
Ion Ratio Lower Upper

96 100

61 126.2 92.3 171.5

98 61.5 43.9 81.5

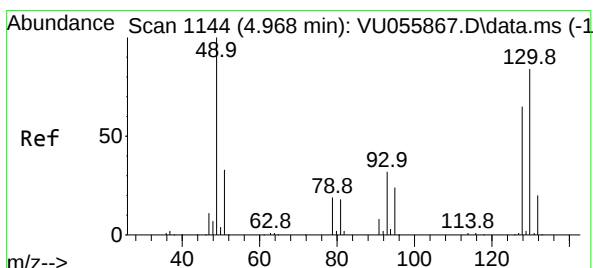
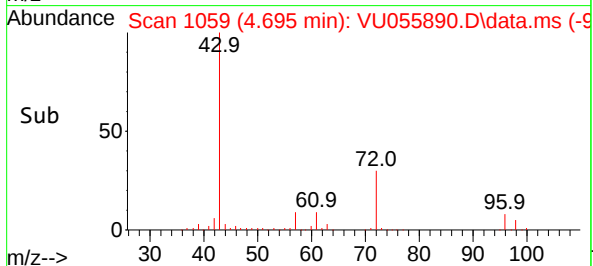
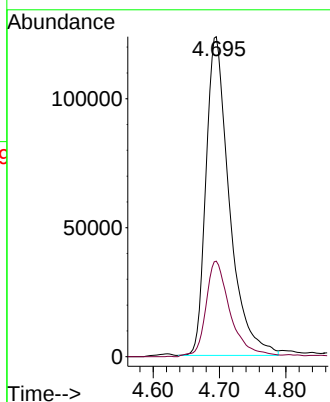
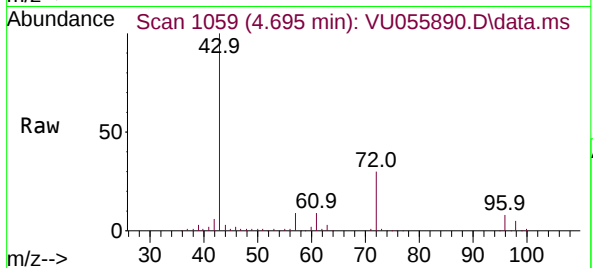




#22
2-Butanone
Concen: 77.073 ug/L
RT: 4.695 min Scan# 1059
Delta R.T. 0.003 min
Lab File: VU055890.D
Acq: 25 Oct 2023 19:34

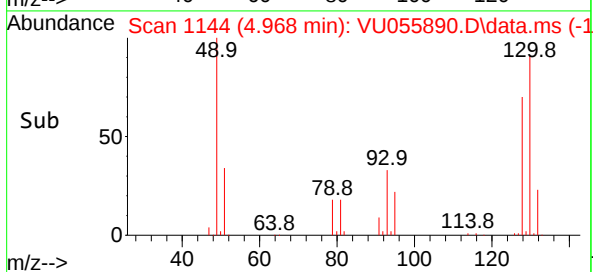
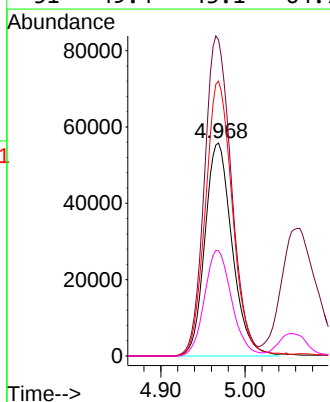
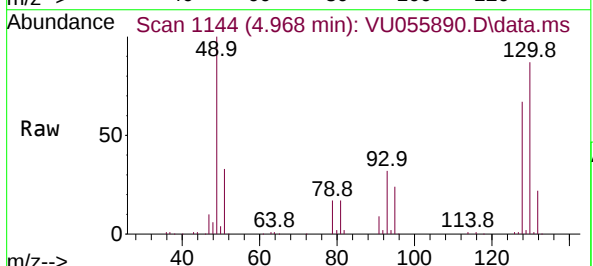
Instrument :
MSVOA_U
ClientSampleId :

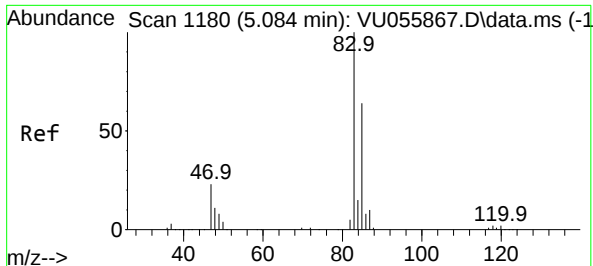
Tgt Ion: 43 Resp: 302865
Ion Ratio Lower Upper
43 100
72 31.2 14.6 44.0



#23
Bromochloromethane
Concen: 55.250 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. 0.000 min
Lab File: VU055890.D
Acq: 25 Oct 2023 19:34

Tgt Ion: 128 Resp: 125138
Ion Ratio Lower Upper
128 100
49 148.5 116.3 216.1
130 129.1 91.6 170.0
51 49.4 43.1 64.7





#25

Chloroform

Concen: 52.994 ug/L

RT: 5.081 min Scan# 1180

Delta R.T. -0.003 min

Lab File: VU055890.D

Acq: 25 Oct 2023 19:34

Instrument :

MSVOA_U

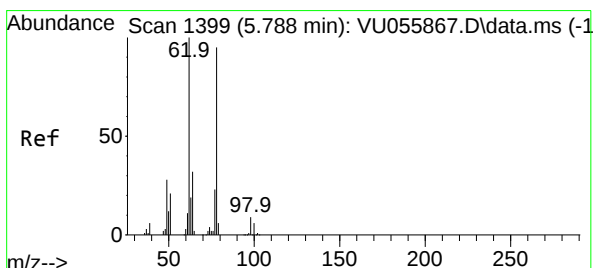
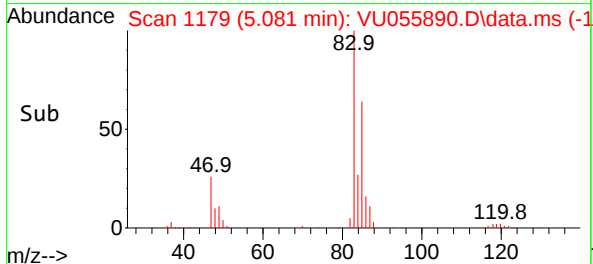
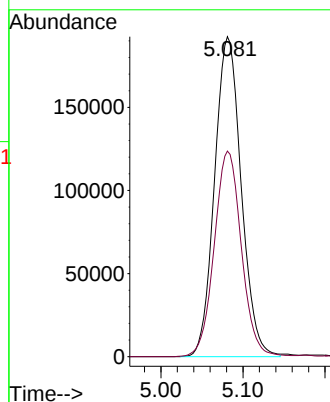
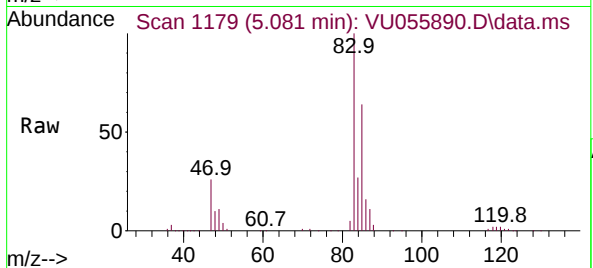
ClientSampleId :

Tgt Ion: 83 Resp: 435032

Ion Ratio Lower Upper

83 100

85 64.2 46.3 86.1



#27

1,2-Dichloroethane

Concen: 51.573 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.003 min

Lab File: VU055890.D

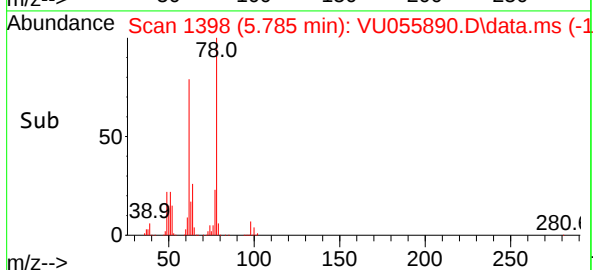
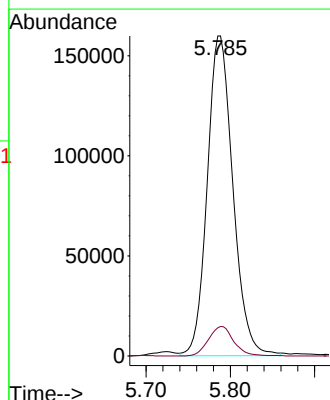
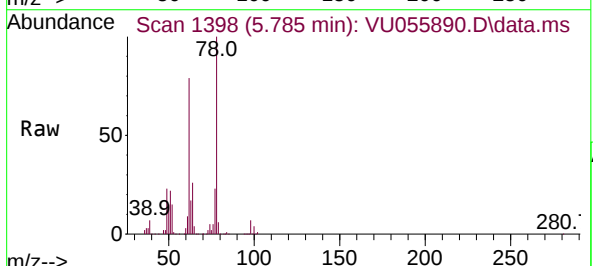
Acq: 25 Oct 2023 19:34

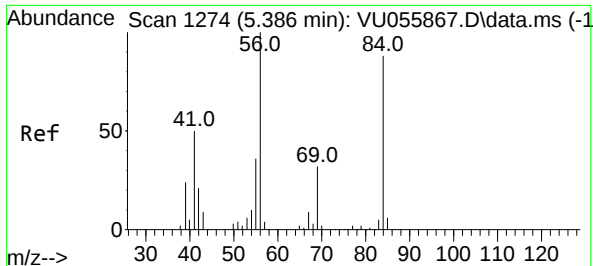
Tgt Ion: 62 Resp: 338611

Ion Ratio Lower Upper

62 100

98 8.8 7.2 10.8





#29

Cyclohexane

Concen: 56.862 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.003 min

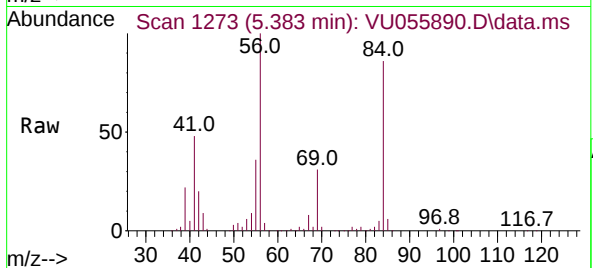
Lab File: VU055890.D

Acq: 25 Oct 2023 19:34

Instrument :

MSVOA_U

ClientSampleId :



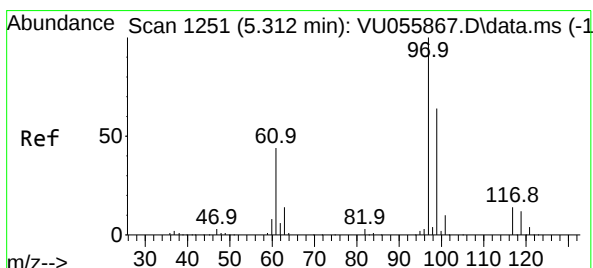
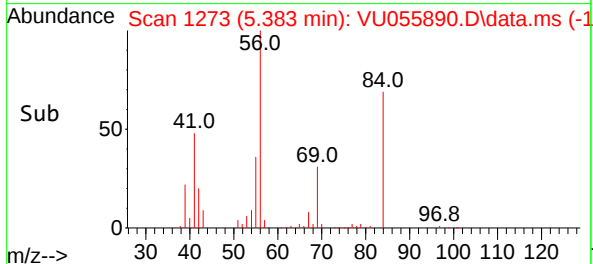
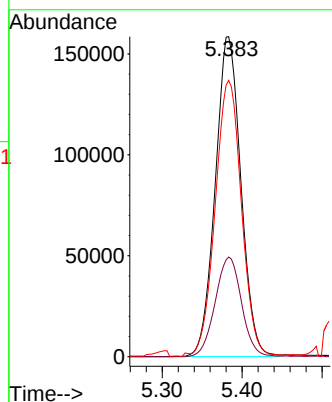
Tgt Ion: 56 Resp: 352343

Ion Ratio Lower Upper

56 100

69 32.0 24.9 37.3

84 88.3 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 53.497 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.003 min

Lab File: VU055890.D

Acq: 25 Oct 2023 19:34

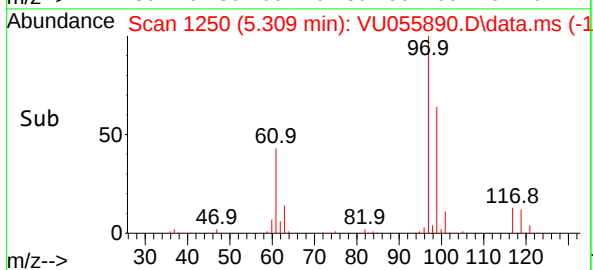
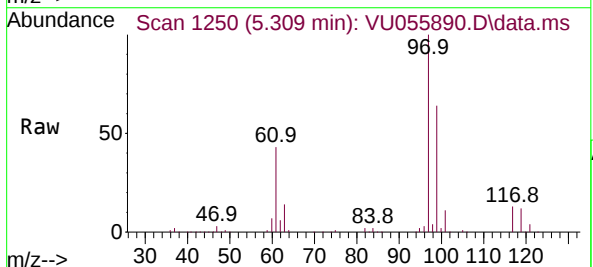
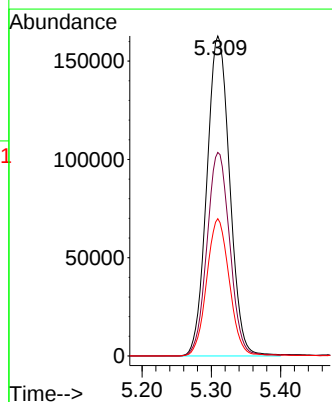
Tgt Ion: 97 Resp: 373639

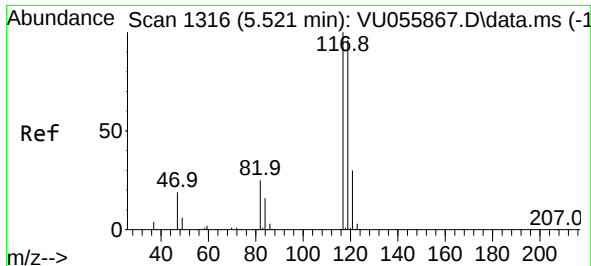
Ion Ratio Lower Upper

97 100

99 63.4 51.6 77.4

61 42.4 36.8 55.2

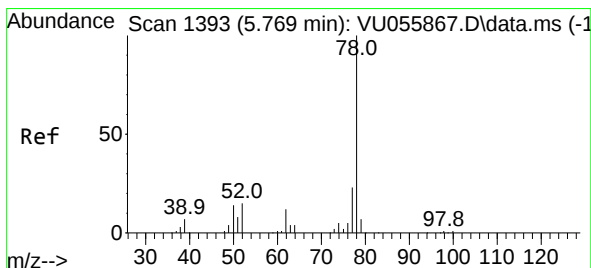
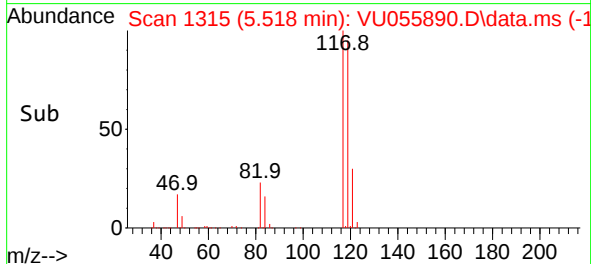
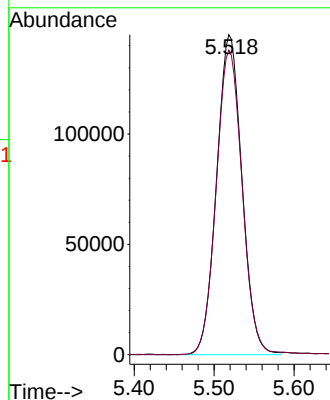
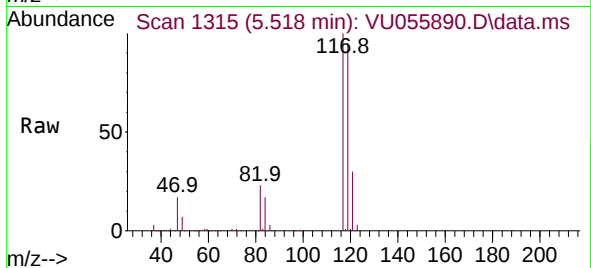




#31
Carbon tetrachloride
Concen: 52.148 ug/L
RT: 5.518 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU055890.D
Acq: 25 Oct 2023 19:34

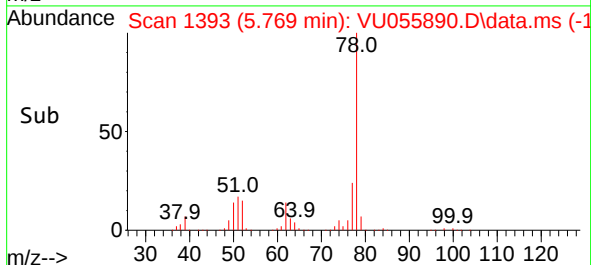
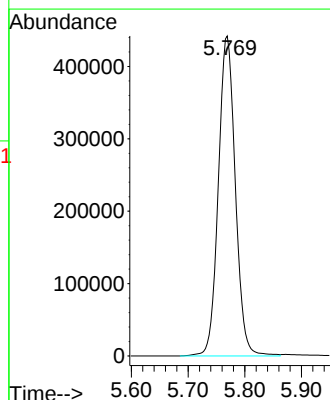
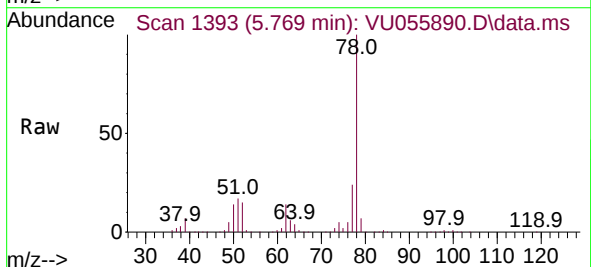
Instrument :
MSVOA_U
ClientSampleId :

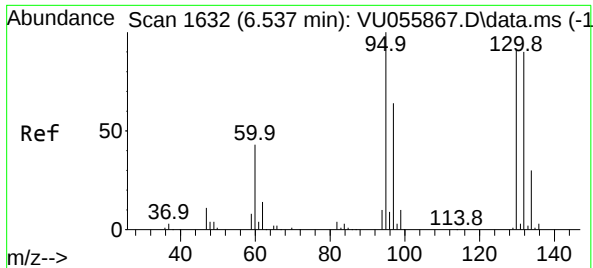
Tgt Ion:117 Resp: 318805
Ion Ratio Lower Upper
117 100
119 97.7 75.4 113.0



#33
Benzene
Concen: 53.903 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU055890.D
Acq: 25 Oct 2023 19:34

Tgt Ion: 78 Resp: 921129

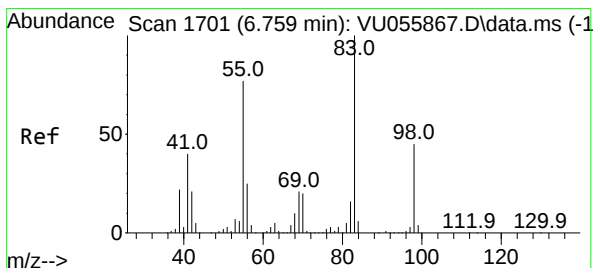
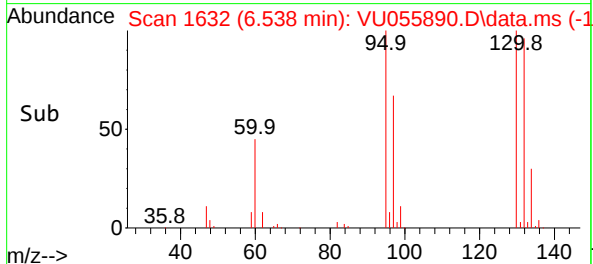
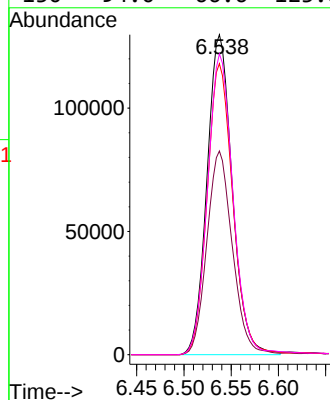
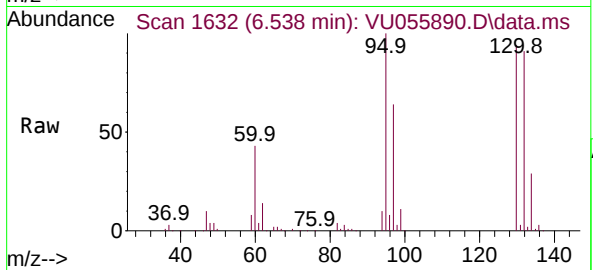




#34
Trichloroethene
Concen: 51.661 ug/L
RT: 6.538 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU055890.D
Acq: 25 Oct 2023 19:34

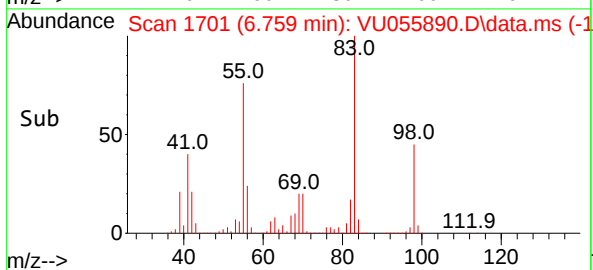
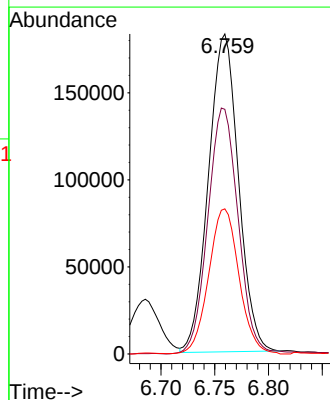
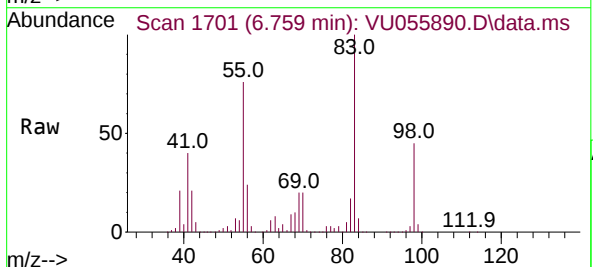
Instrument :
MSVOA_U
ClientSampleId :

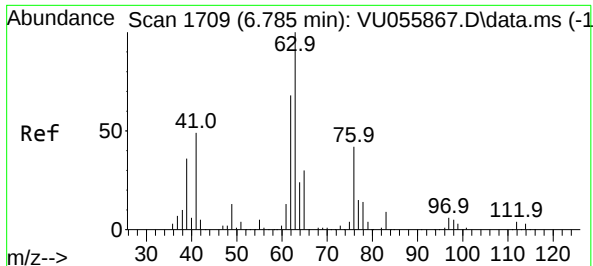
Tgt Ion: 95 Resp: 241555
Ion Ratio Lower Upper
95 100
97 63.6 44.4 82.5
132 90.9 61.8 114.8
130 94.0 66.6 123.8



#35
Methylcyclohexane
Concen: 52.276 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU055890.D
Acq: 25 Oct 2023 19:34

Tgt Ion: 83 Resp: 354645
Ion Ratio Lower Upper
83 100
55 78.2 61.2 91.8
98 46.2 35.8 53.6

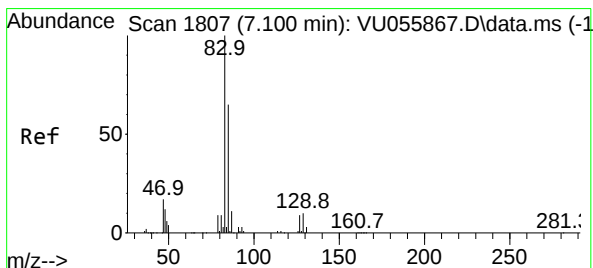
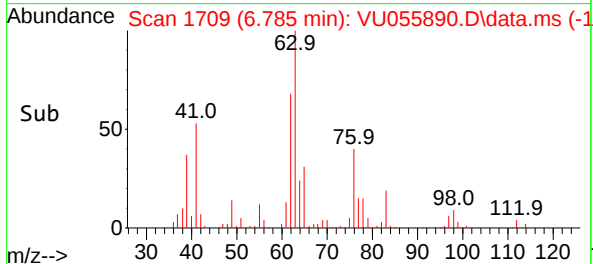
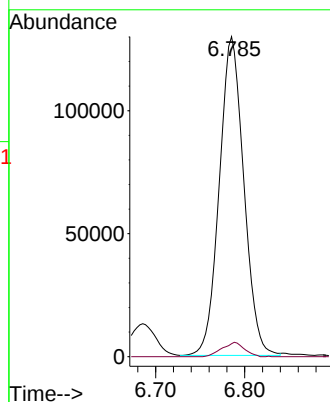
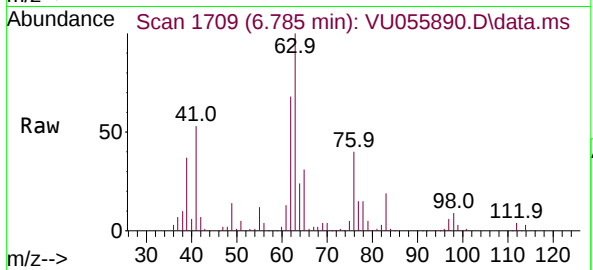




#37
1,2-Dichloropropane
Concen: 52.583 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. 0.000 min
Lab File: VU055890.D
Acq: 25 Oct 2023 19:34

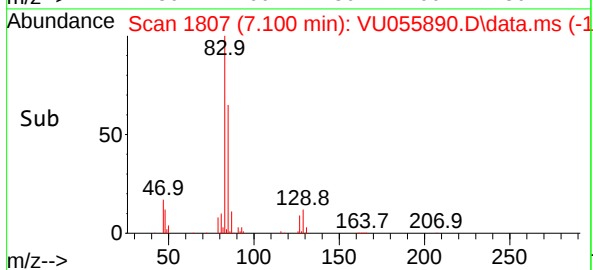
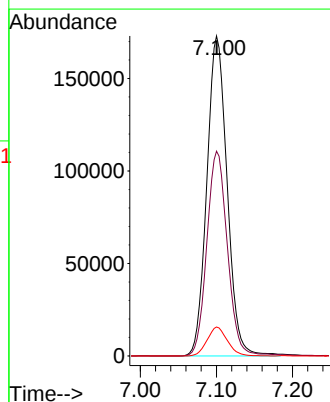
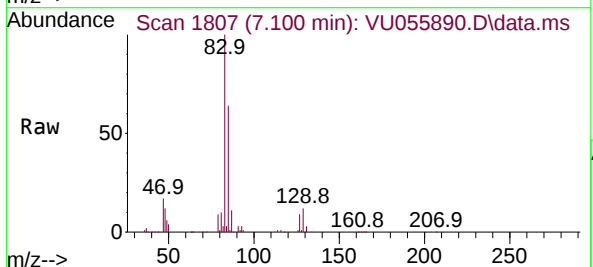
Instrument :
MSVOA_U
ClientSampleId :

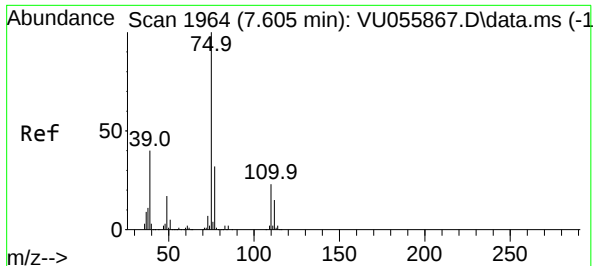
Tgt Ion: 63 Resp: 247436
Ion Ratio Lower Upper
63 100
112 4.1 3.0 4.4



#38
Bromodichloromethane
Concen: 51.731 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VU055890.D
Acq: 25 Oct 2023 19:34

Tgt Ion: 83 Resp: 321014
Ion Ratio Lower Upper
83 100
85 64.0 46.0 85.4
127 9.1 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 54.291 ug/L

RT: 7.602 min Scan# 1964

Delta R.T. -0.003 min

Lab File: VU055890.D

Acq: 25 Oct 2023 19:34

Instrument :

MSVOA_U

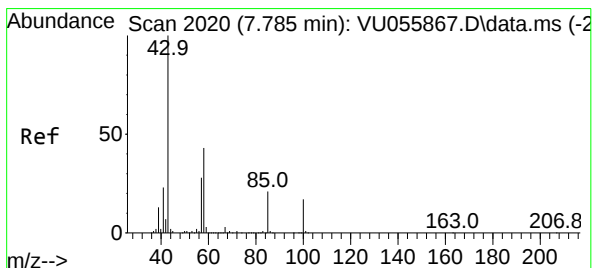
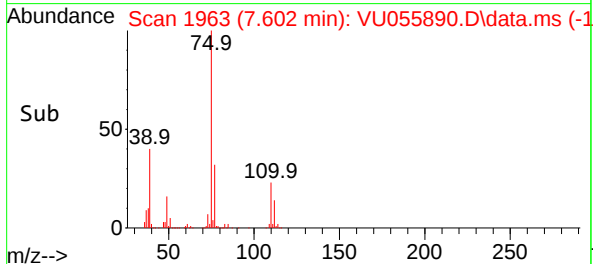
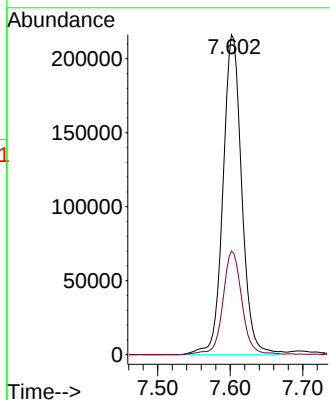
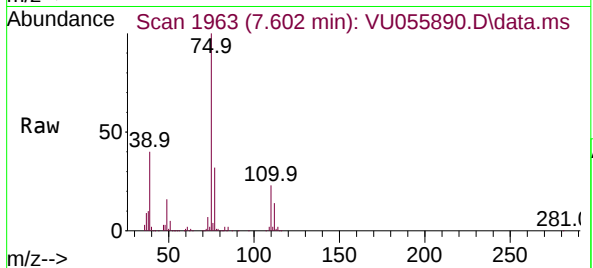
ClientSampleId :

Tgt Ion: 75 Resp: 388669

Ion Ratio Lower Upper

75 100

77 32.4 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 103.144 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.000 min

Lab File: VU055890.D

Acq: 25 Oct 2023 19:34

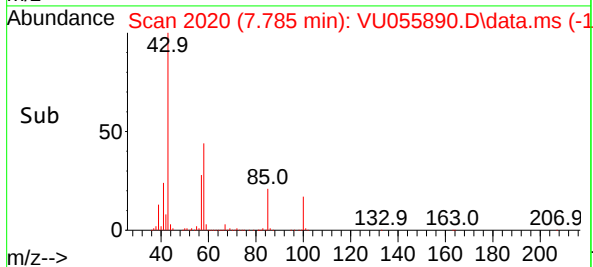
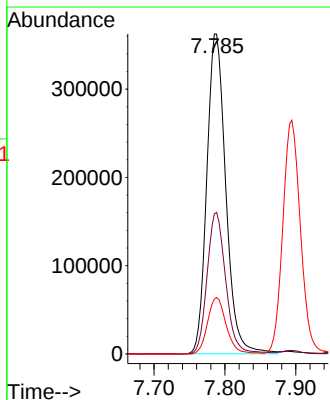
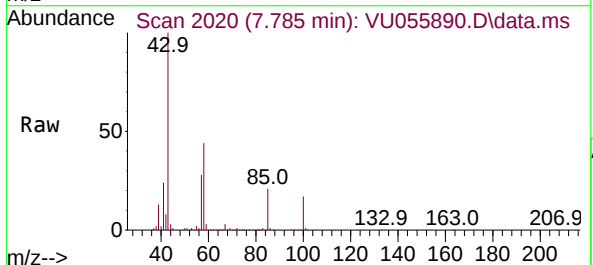
Tgt Ion: 43 Resp: 675219

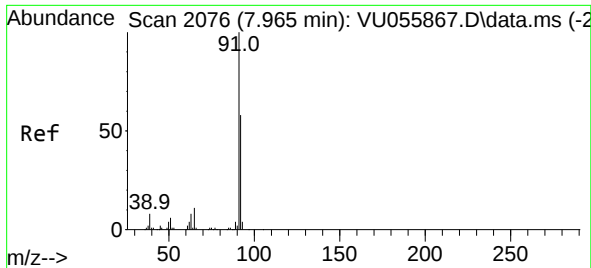
Ion Ratio Lower Upper

43 100

58 43.5 32.3 48.5

100 17.2 12.0 18.0





#42

Toluene

Concen: 55.302 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU055890.D

Acq: 25 Oct 2023 19:34

Instrument :

MSVOA_U

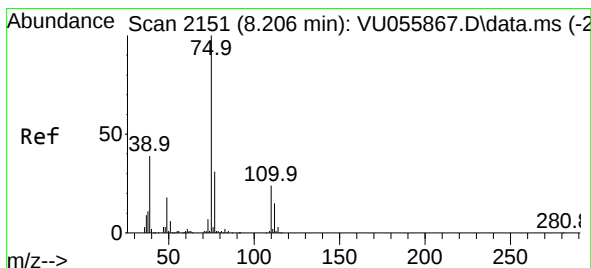
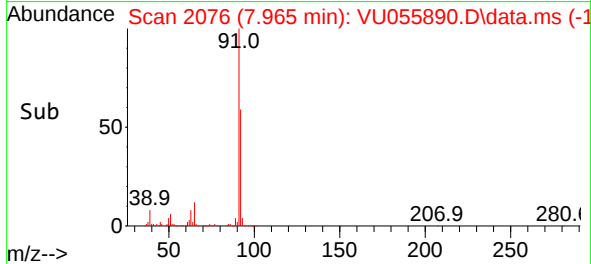
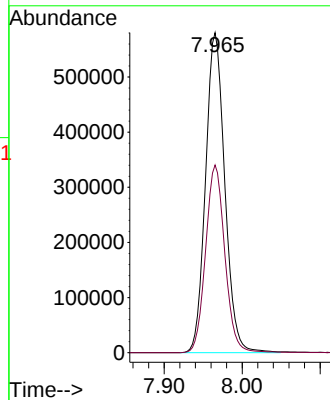
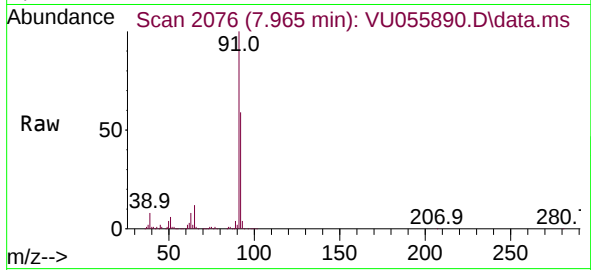
ClientSampleId :

Tgt Ion: 91 Resp: 997199

Ion Ratio Lower Upper

91 100

92 58.7 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 53.433 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU055890.D

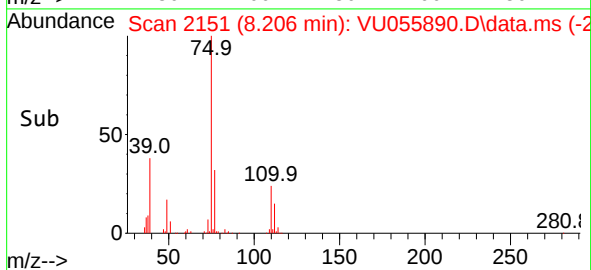
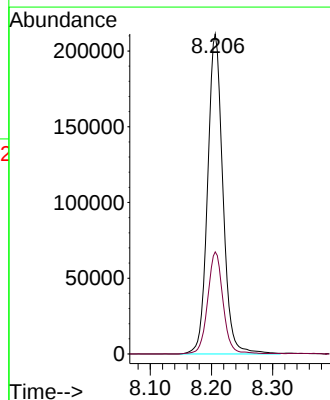
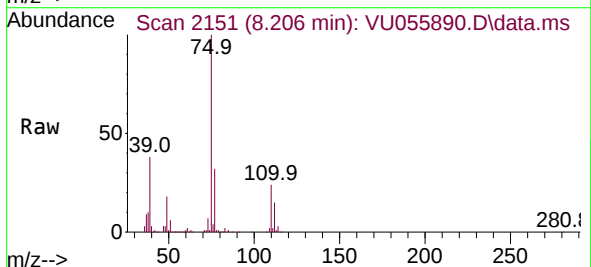
Acq: 25 Oct 2023 19:34

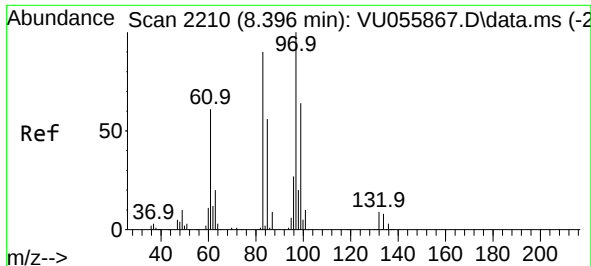
Tgt Ion: 75 Resp: 366000

Ion Ratio Lower Upper

75 100

77 31.9 21.6 40.2

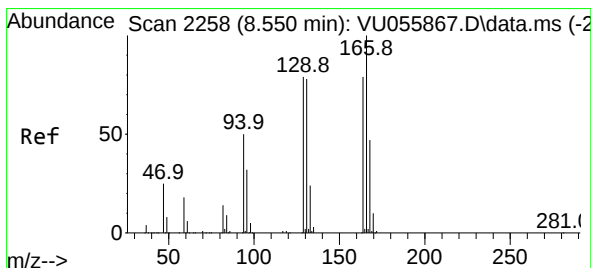
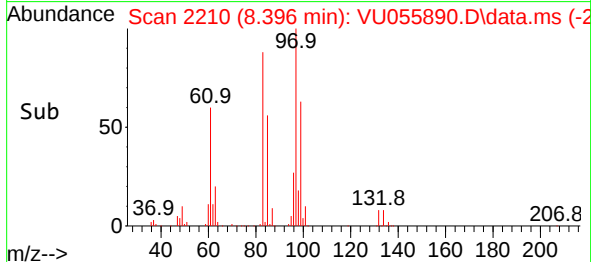
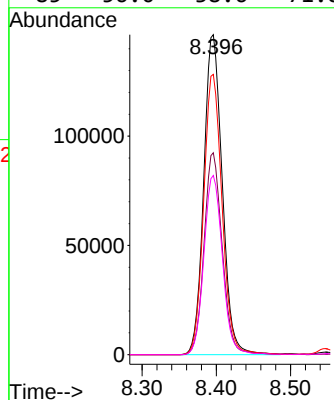
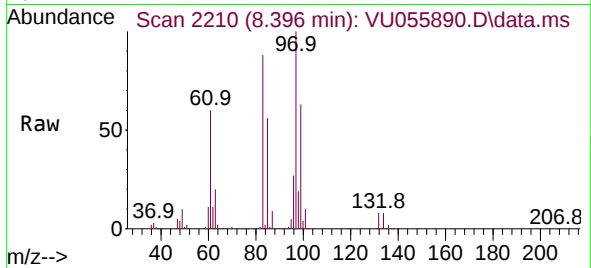




#45
1,1,2-Trichloroethane
Concen: 54.584 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. 0.000 min
Lab File: VU055890.D
Acq: 25 Oct 2023 19:34

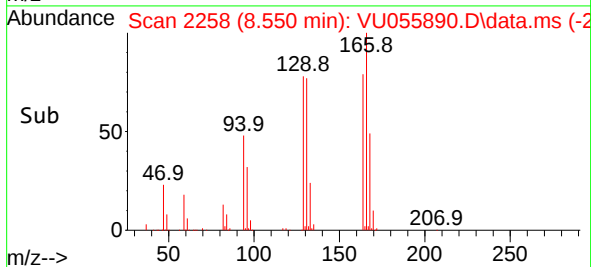
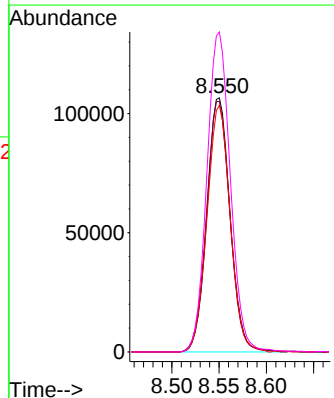
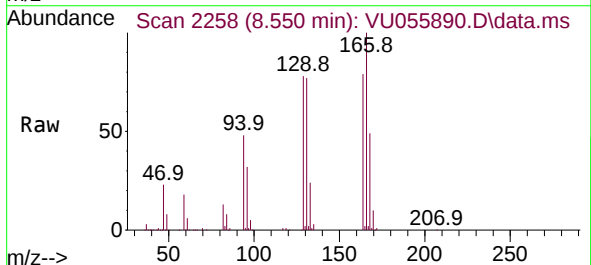
Instrument :
MSVOA_U
ClientSampleId :

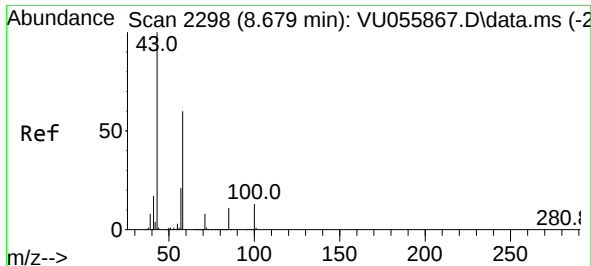
Tgt Ion:	97	Resp:	253271
Ion	Ratio	Lower	Upper
97	100		
99	63.1	44.4	82.5
83	87.6	60.4	112.2
85	56.0	38.6	71.8



#46
Tetrachloroethene
Concen: 54.417 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU055890.D
Acq: 25 Oct 2023 19:34

Tgt Ion:	164	Resp:	182172
Ion	Ratio	Lower	Upper
164	100		
129	98.6	70.7	131.3
131	97.0	65.9	122.5
166	125.9	87.8	163.0

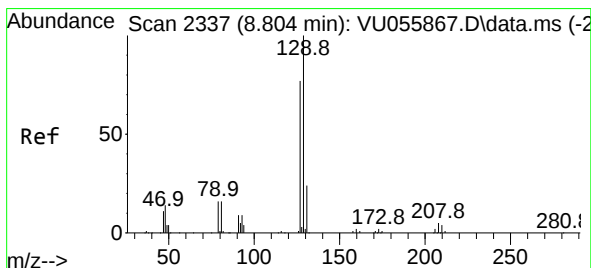
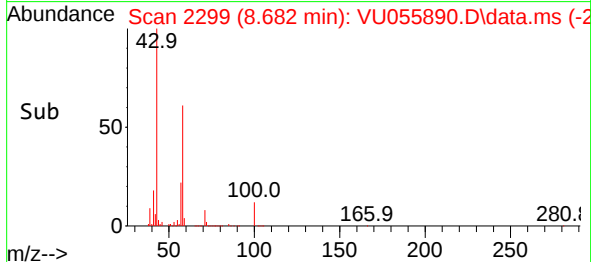
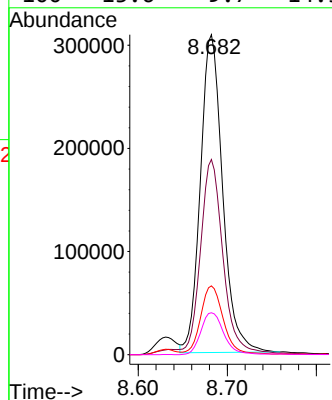
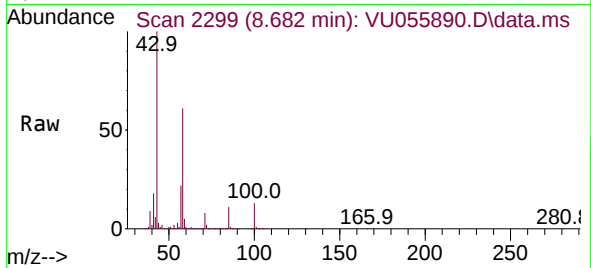




#48
2-Hexanone
Concen: 96.772 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055890.D
Acq: 25 Oct 2023 19:34

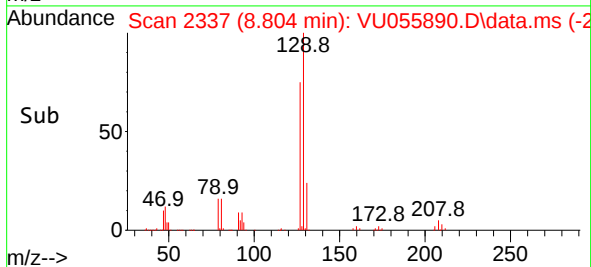
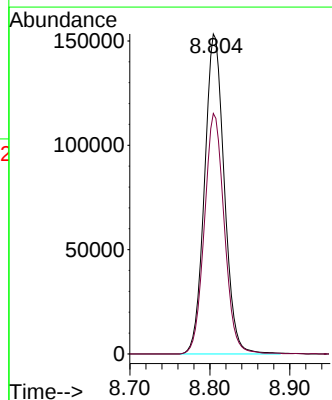
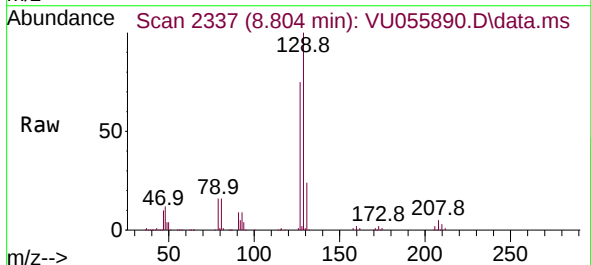
Instrument :
MSVOA_U
ClientSampleId :

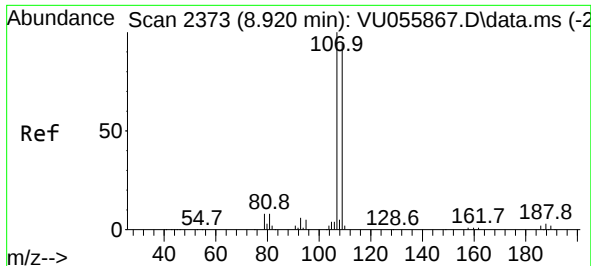
Tgt Ion: 43 Resp: 535105
Ion Ratio Lower Upper
43 100
58 61.1 45.2 67.8
57 22.3 16.1 24.1
100 13.6 9.7 14.5



#49
Dibromochloromethane
Concen: 55.510 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU055890.D
Acq: 25 Oct 2023 19:34

Tgt Ion:129 Resp: 263175
Ion Ratio Lower Upper
129 100
127 75.1 54.0 100.4





#50

1,2-Dibromoethane

Concen: 54.000 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU055890.D

Acq: 25 Oct 2023 19:34

Instrument :

MSVOA_U

ClientSampleId :

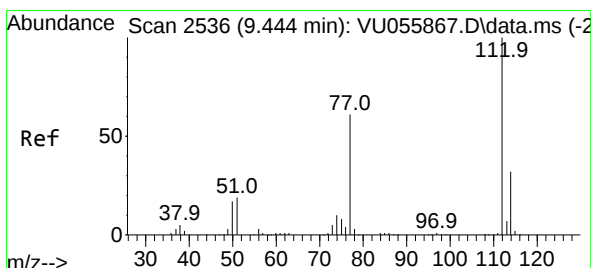
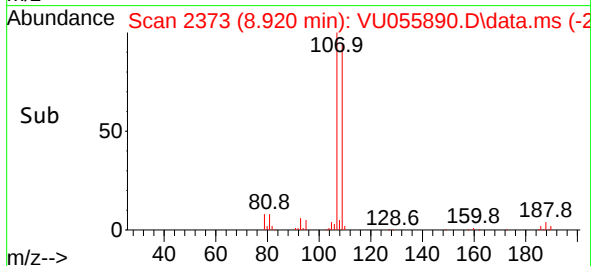
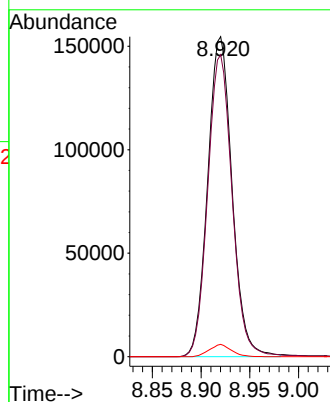
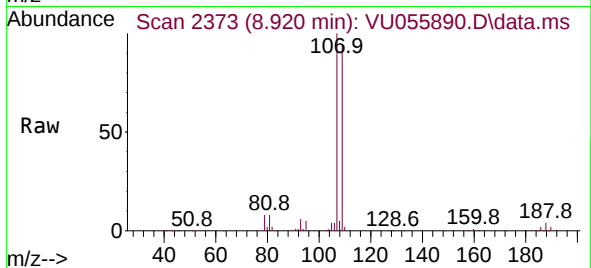
Tgt Ion:107 Resp: 269126

Ion Ratio Lower Upper

107 100

109 94.4 66.7 123.9

188 3.8 2.6 4.0



#51

Chlorobenzene

Concen: 56.704 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.000 min

Lab File: VU055890.D

Acq: 25 Oct 2023 19:34

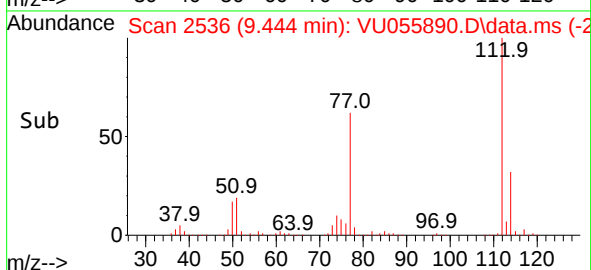
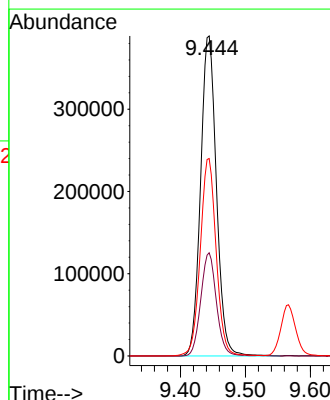
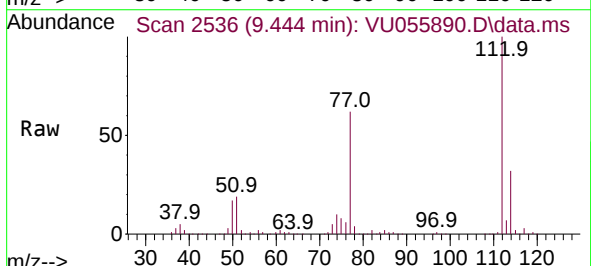
Tgt Ion:112 Resp: 661549

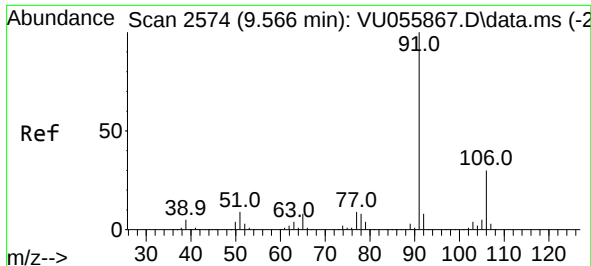
Ion Ratio Lower Upper

112 100

114 32.2 22.0 40.8

77 61.7 49.0 73.6

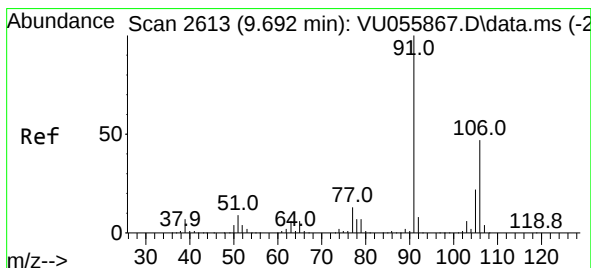
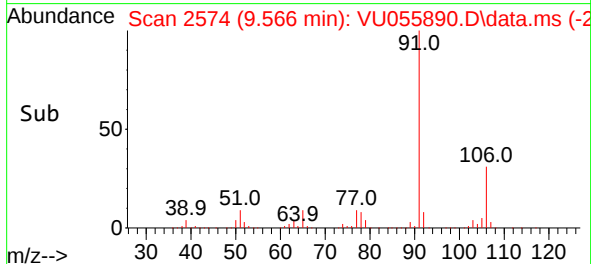
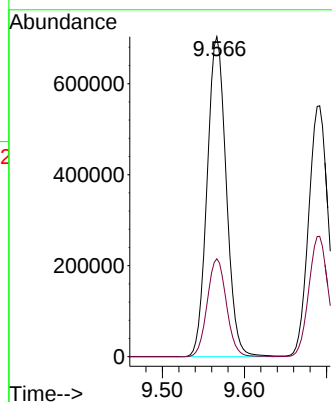
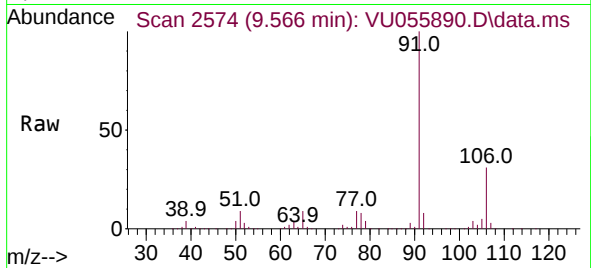




#52
Ethylbenzene
Concen: 57.764 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055890.D
Acq: 25 Oct 2023 19:34

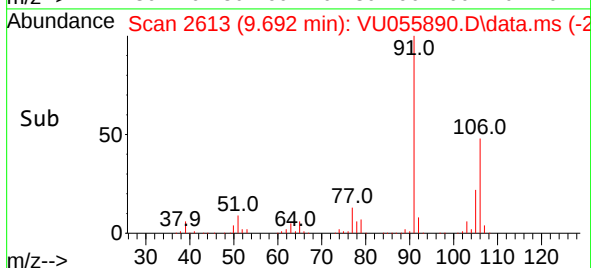
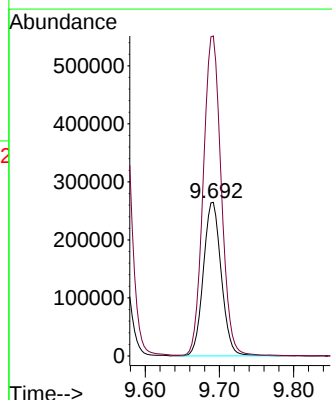
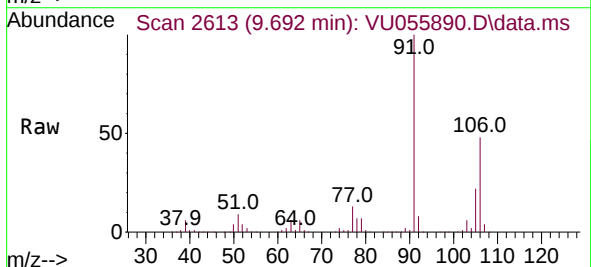
Instrument :
MSVOA_U
ClientSampleId :

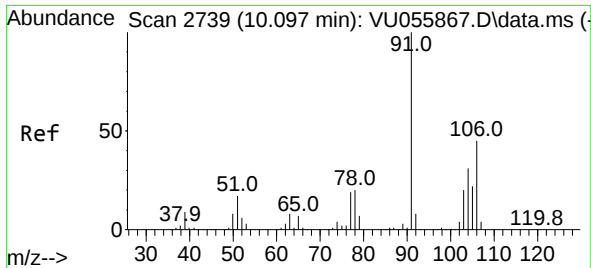
Tgt Ion: 91 Resp: 1138746
Ion Ratio Lower Upper
91 100
106 30.6 21.2 39.4



#53
m,p-Xylene
Concen: 59.870 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU055890.D
Acq: 25 Oct 2023 19:34

Tgt Ion:106 Resp: 442173
Ion Ratio Lower Upper
106 100
91 208.4 143.8 267.0

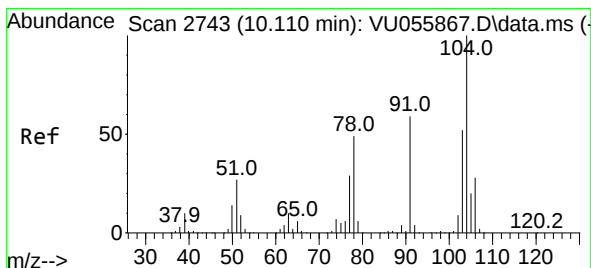
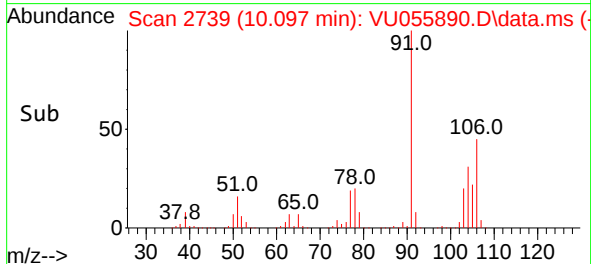
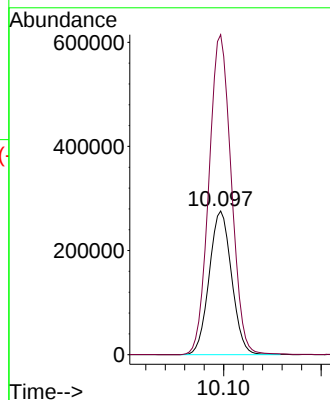
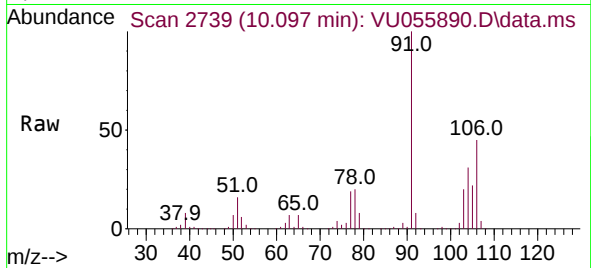




#54
o-Xylene
Concen: 61.772 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.000 min
Lab File: VU055890.D
Acq: 25 Oct 2023 19:34

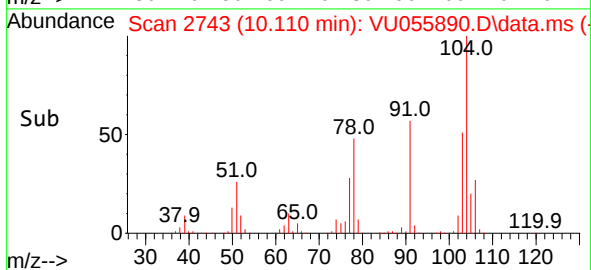
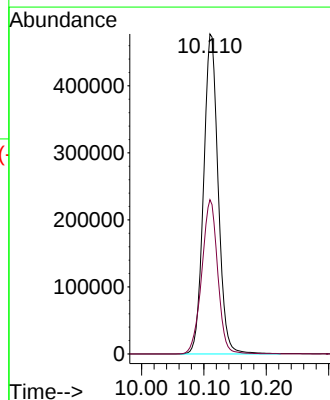
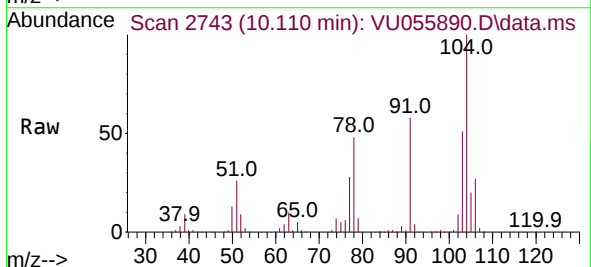
Instrument :
MSVOA_U
ClientSampleId :

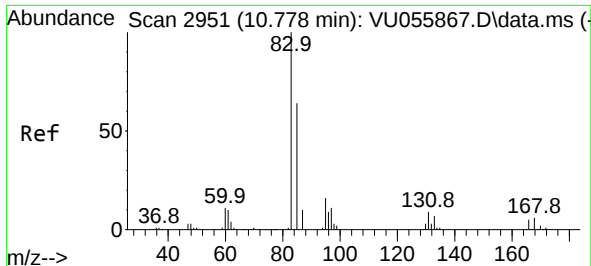
Tgt Ion:106 Resp: 441481
Ion Ratio Lower Upper
106 100
91 222.6 151.8 282.0



#55
Styrene
Concen: 64.134 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU055890.D
Acq: 25 Oct 2023 19:34

Tgt Ion:104 Resp: 776488
Ion Ratio Lower Upper
104 100
78 48.2 33.6 62.4





#57

1,1,2,2-Tetrachloroethane

Concen: 58.241 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. 0.000 min

Lab File: VU055890.D

Acq: 25 Oct 2023 19:34

Instrument :

MSVOA_U

ClientSampleId :

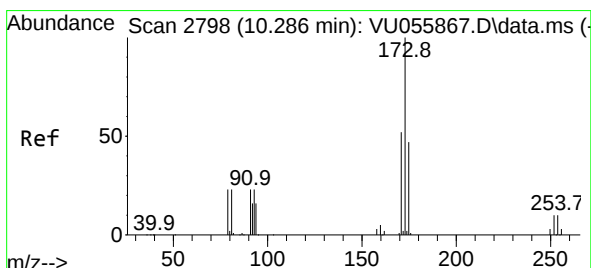
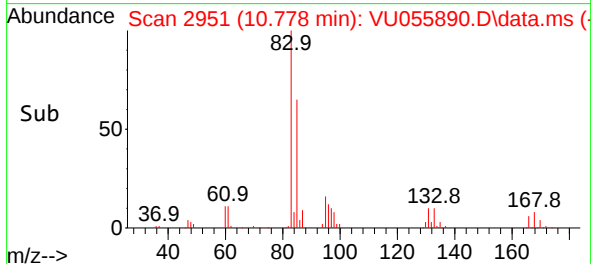
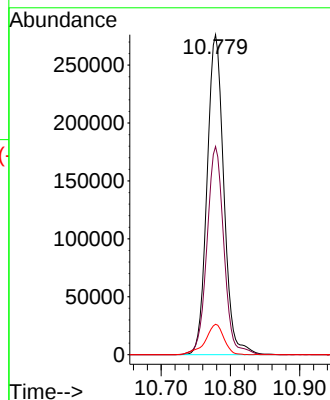
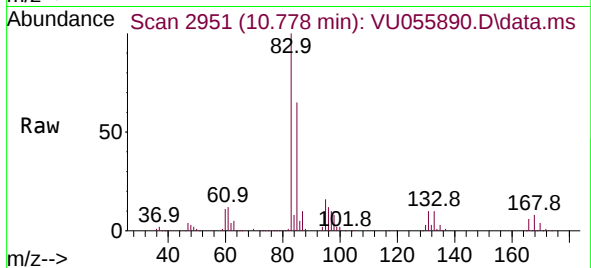
Tgt Ion: 83 Resp: 462725

Ion Ratio Lower Upper

83 100

85 65.0 44.9 83.5

131 9.5 7.3 10.9



#59

Bromoform

Concen: 58.058 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. 0.000 min

Lab File: VU055890.D

Acq: 25 Oct 2023 19:34

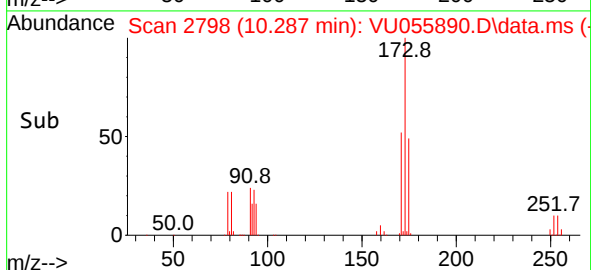
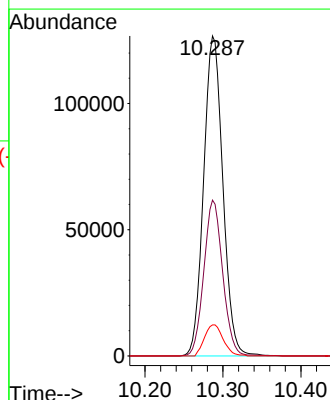
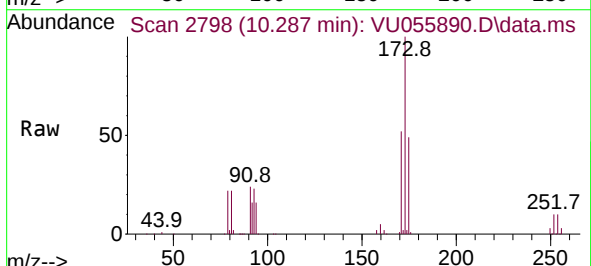
Tgt Ion:173 Resp: 217187

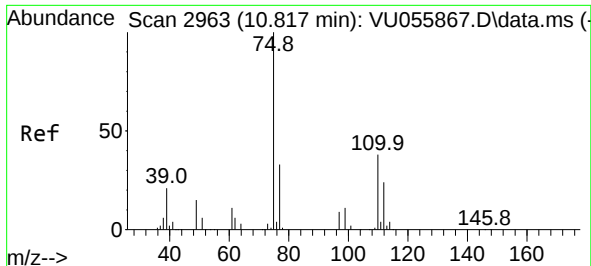
Ion Ratio Lower Upper

173 100

175 47.8 40.4 60.6

254 9.5 7.3 10.9

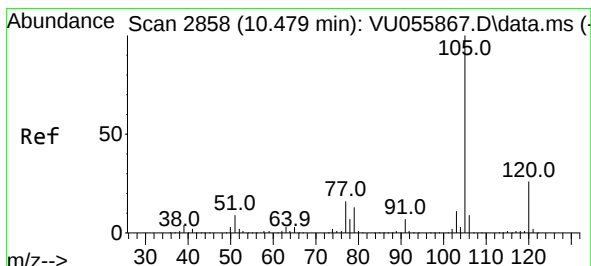
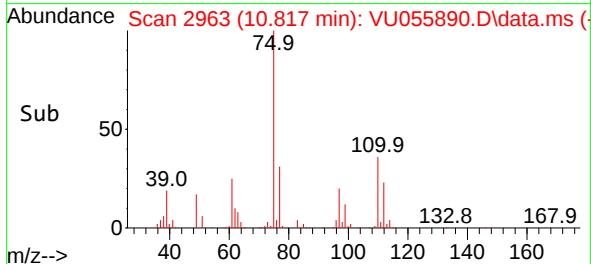
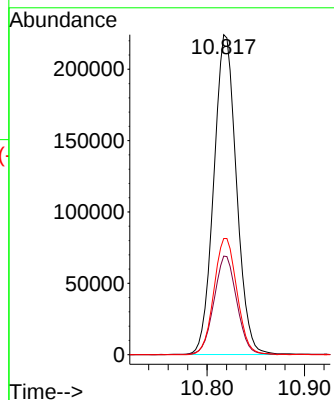
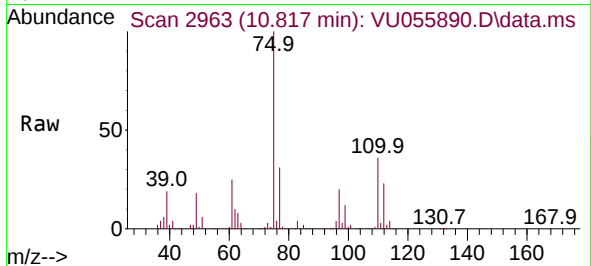




#60
1,2,3-Trichloropropane
Concen: 54.937 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU055890.D
Acq: 25 Oct 2023 19:34

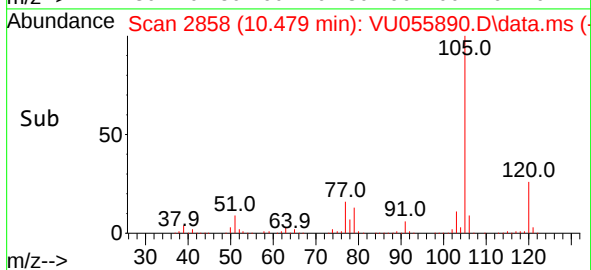
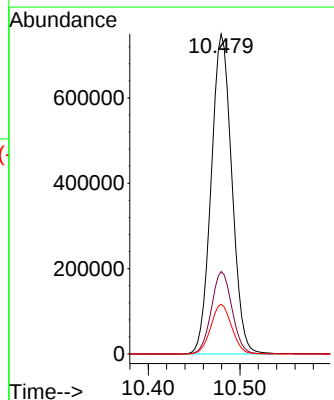
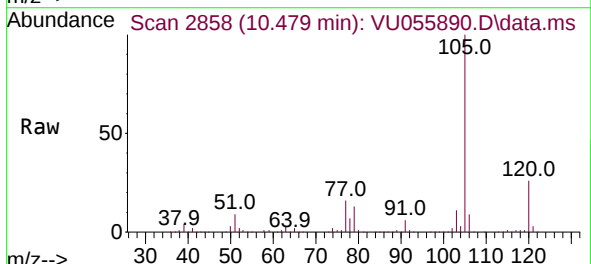
Instrument :
MSVOA_U
ClientSampleId :

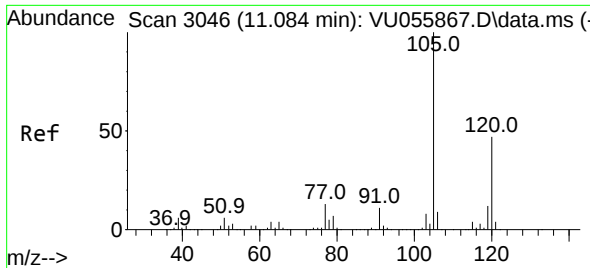
Tgt Ion: 75 Resp: 362325
Ion Ratio Lower Upper
75 100
77 31.2 25.8 38.8
110 36.9 28.5 42.7



#61
Isopropylbenzene
Concen: 61.944 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU055890.D
Acq: 25 Oct 2023 19:34

Tgt Ion: 105 Resp: 1173509
Ion Ratio Lower Upper
105 100
120 25.8 20.6 30.8
77 15.7 13.4 20.0

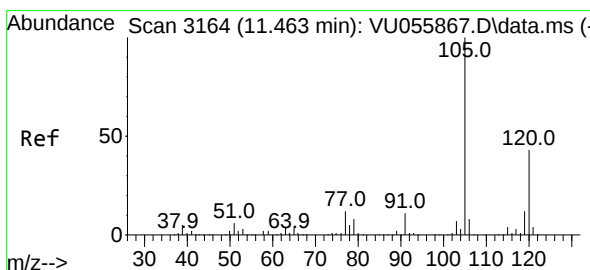
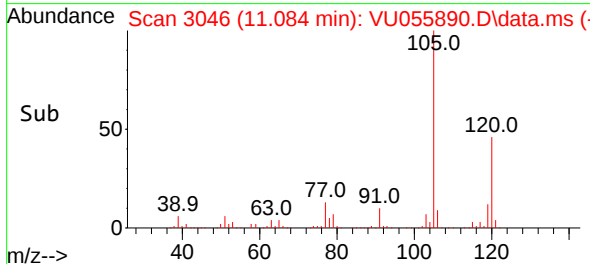
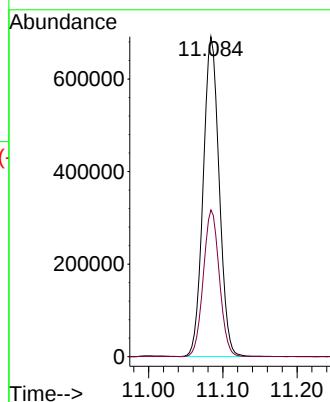
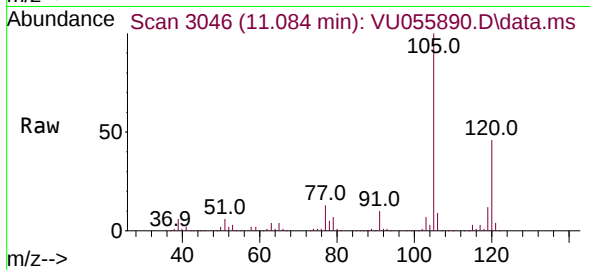




#62
 1,3,5-Trimethylbenzene
 Concen: 67.556 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. 0.000 min
 Lab File: VU055890.D
 Acq: 25 Oct 2023 19:34

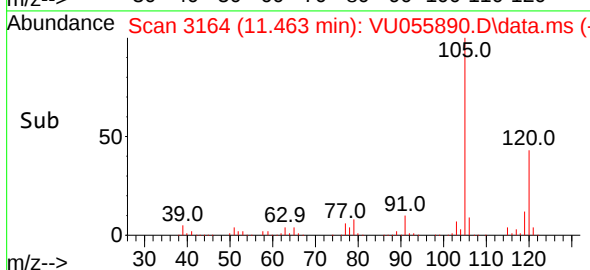
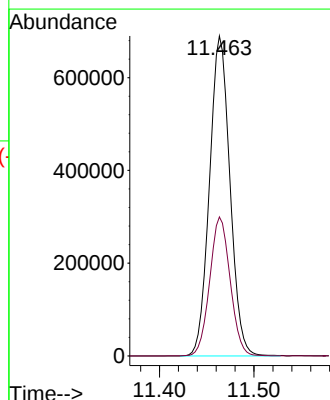
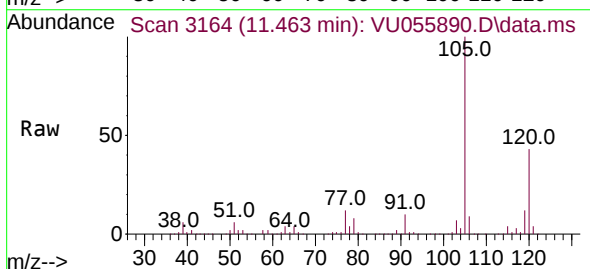
Instrument :
 MSVOA_U
 ClientSampleId :

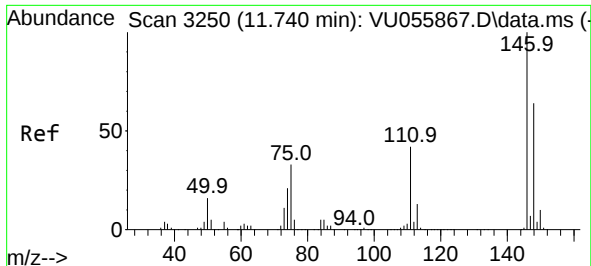
Tgt Ion:105 Resp: 1035592
 Ion Ratio Lower Upper
 105 100
 120 46.0 37.7 56.5



#63
 1,2,4-Trimethylbenzene
 Concen: 68.423 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. 0.000 min
 Lab File: VU055890.D
 Acq: 25 Oct 2023 19:34

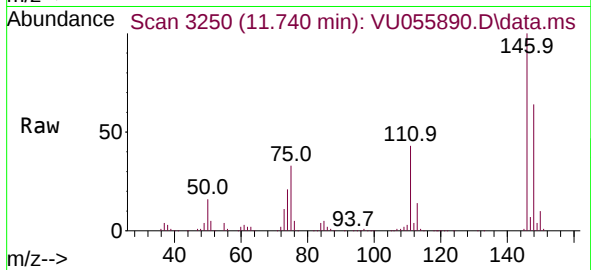
Tgt Ion:105 Resp: 1037150
 Ion Ratio Lower Upper
 105 100
 120 43.5 35.0 52.4



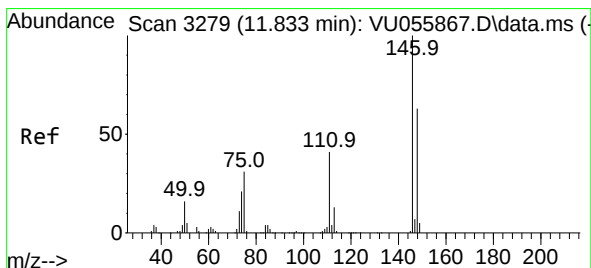
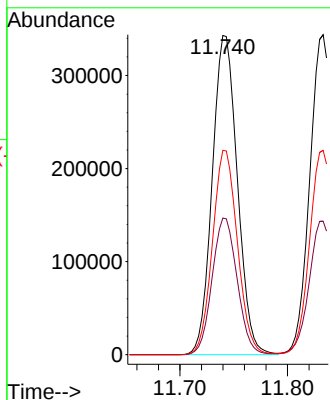
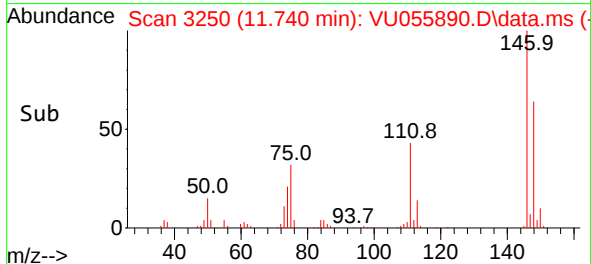


#64
1,3-Dichlorobenzene
Concen: 59.504 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU055890.D
Acq: 25 Oct 2023 19:34

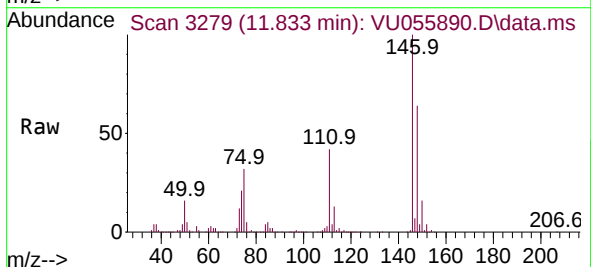
Instrument :
MSVOA_U
ClientSampleId :



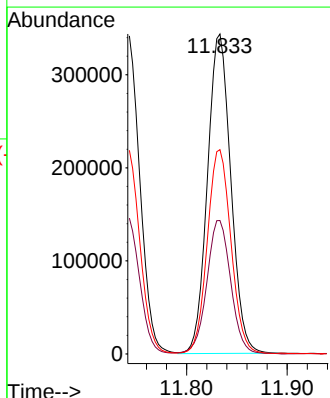
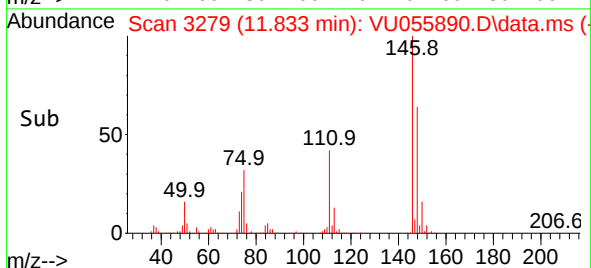
Tgt Ion:146 Resp: 557258
Ion Ratio Lower Upper
146 100
111 42.8 29.7 55.1
148 64.0 45.0 83.6

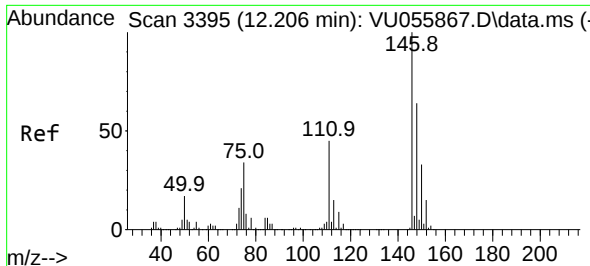


#65
1,4-Dichlorobenzene
Concen: 57.628 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU055890.D
Acq: 25 Oct 2023 19:34



Tgt Ion:146 Resp: 554873
Ion Ratio Lower Upper
146 100
111 41.7 28.6 53.0
148 63.8 44.2 82.0

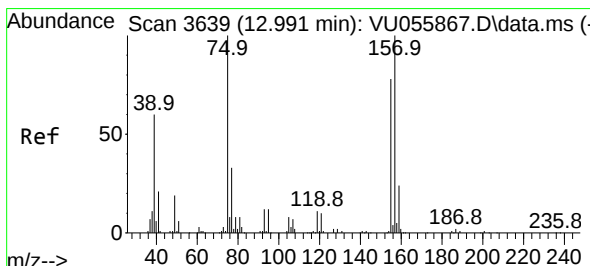
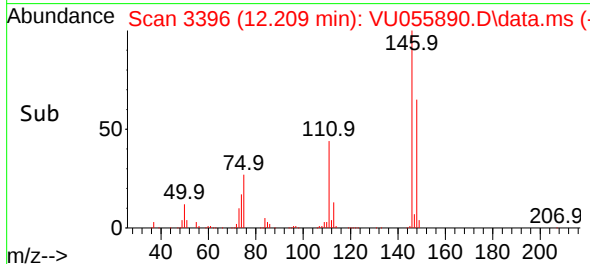
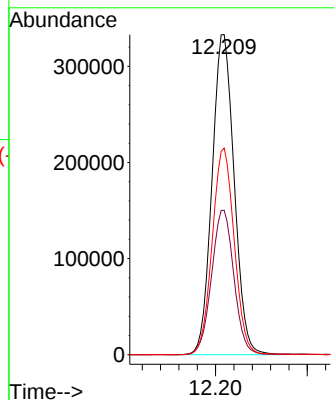
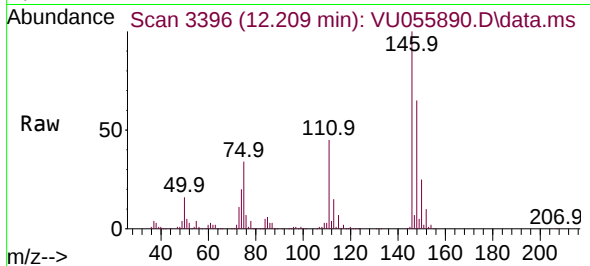




#67
1,2-Dichlorobenzene
Concen: 59.930 ug/L
RT: 12.209 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU055890.D
Acq: 25 Oct 2023 19:34

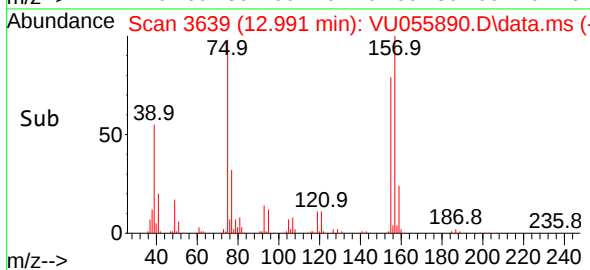
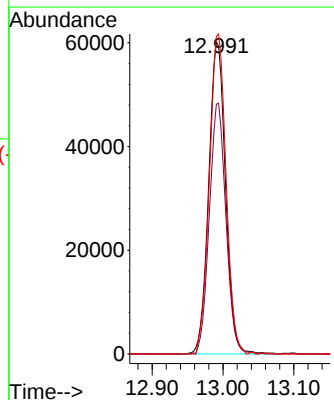
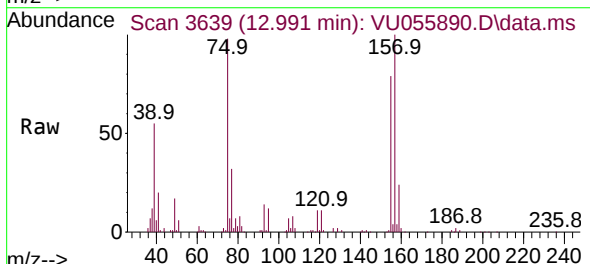
Instrument :
MSVOA_U
ClientSampleId :

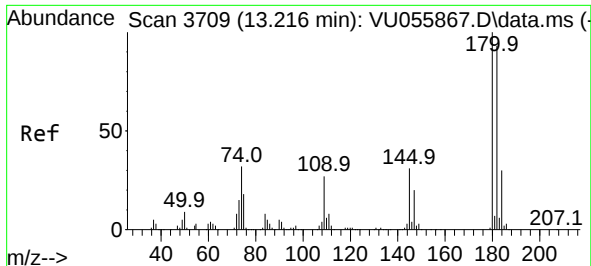
Tgt Ion:146 Resp: 556969
Ion Ratio Lower Upper
146 100
111 45.1 35.2 52.8
148 64.6 52.3 78.5



#68
1,2-Dibromo-3-chloropropane
Concen: 50.467 ug/L
RT: 12.991 min Scan# 3639
Delta R.T. 0.000 min
Lab File: VU055890.D
Acq: 25 Oct 2023 19:34

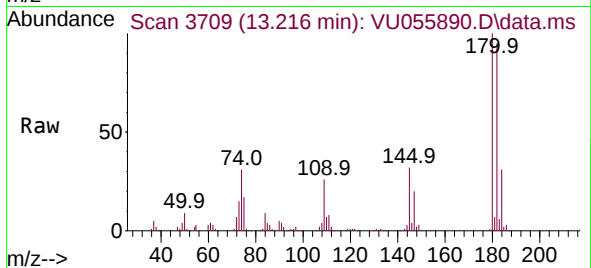
Tgt Ion: 75 Resp: 99507
Ion Ratio Lower Upper
75 100
155 80.1 59.6 89.4
157 101.8 77.7 116.5



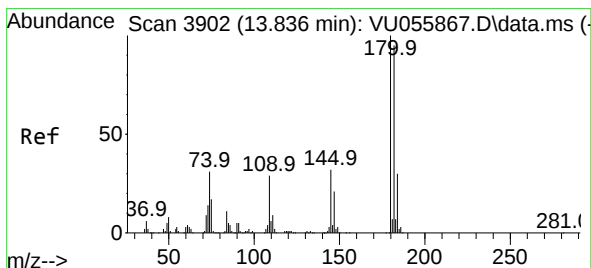
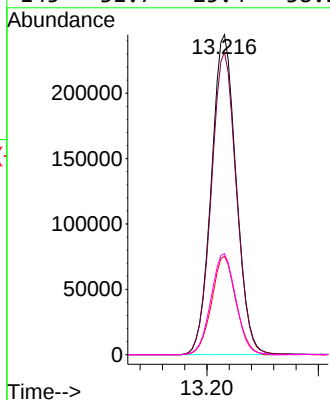
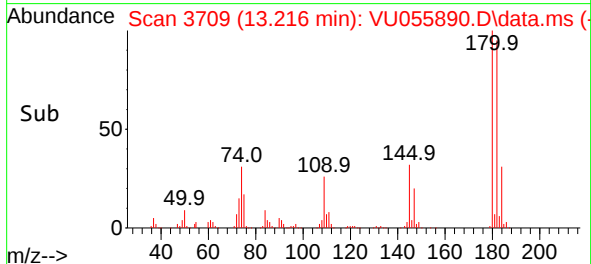


#69
 1,3,5-Trichlorobenzene
 Concen: 60.587 ug/L
 RT: 13.216 min Scan# 3709
 Delta R.T. 0.000 min
 Lab File: VU055890.D
 Acq: 25 Oct 2023 19:34

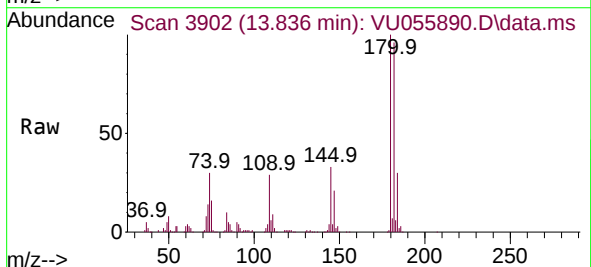
Instrument :
 MSVOA_U
 ClientSampleId :



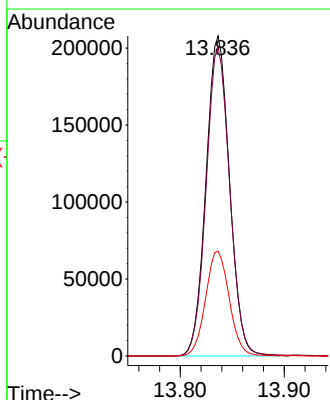
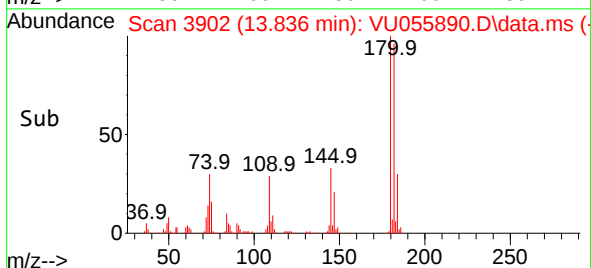
Tgt Ion:180 Resp: 378470
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.2 114.2
 184 30.3 23.9 35.9
 145 31.7 25.4 38.2

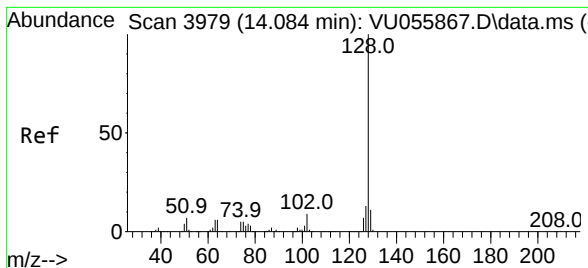


#70
 1,2,4-trichlorobenzene
 Concen: 62.892 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.000 min
 Lab File: VU055890.D
 Acq: 25 Oct 2023 19:34



Tgt Ion:180 Resp: 327242
 Ion Ratio Lower Upper
 180 100
 182 96.8 75.4 113.2
 145 32.9 26.1 39.1





#71

Naphthalene

Concen: 68.336 ug/L

RT: 14.081 min Scan# 3979

Delta R.T. -0.003 min

Lab File: VU055890.D

Acq: 25 Oct 2023 19:34

Instrument :

MSVOA_U

ClientSampleId :

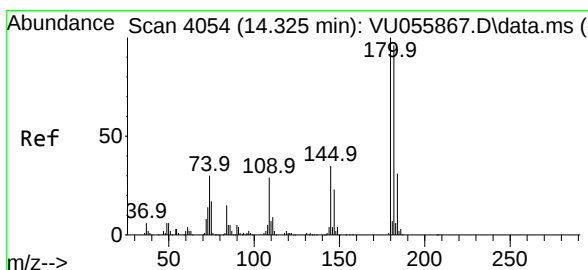
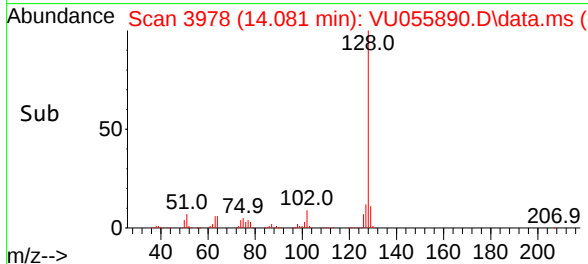
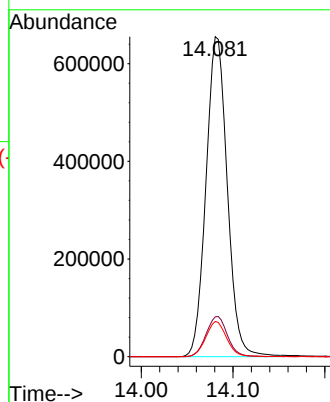
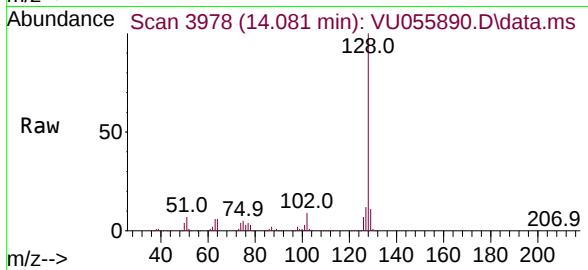
Tgt Ion:128 Resp: 1056235

Ion Ratio Lower Upper

128 100

127 12.6 10.6 16.0

129 10.8 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 63.874 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU055890.D

Acq: 25 Oct 2023 19:34

Tgt Ion:180 Resp: 327678

Ion Ratio Lower Upper

180 100

182 95.1 78.1 117.1

145 34.8 27.4 41.0

