

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101023\
 Data File : VU055720.D
 Acq On : 10 Oct 2023 14:46
 Operator : MD/SY
 Sample : 04696-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 11 05:53:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 11 05:51:51 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	374670	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	387107	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	193163	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	156274	46.501	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.000%
7) Chloroethane-d5	1.882	69	135809	49.438	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.880%
11) 1,1-Dichloroethene-d2	2.557	63	217375	36.276	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.560%
21) 2-Butanone-d5	4.615	46	254093	102.038	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.040%
24) Chloroform-d	5.055	84	295738	45.903	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.800%
26) 1,2-Dichloroethane-d4	5.695	65	197403	49.779	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.560%
32) Benzene-d6	5.721	84	593220	47.896	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.800%
36) 1,2-Dichloropropane-d6	6.685	67	188887	48.172	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.340%
41) Toluene-d8	7.894	98	517247	46.249	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.500%
43) trans-1,3-Dichloroprop...	8.174	79	87817	46.623	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.240%
47) 2-Hexanone-d5	8.634	63	179604	116.515	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.520%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	326010	54.016	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.040%
66) 1,2-Dichlorobenzene-d4	12.190	152	206317	53.824	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	7627	2.445	ug/L	98
3) Chloromethane	1.518	50	8115	2.749	ug/L	92
5) Vinyl chloride	1.602	62	8802	2.709	ug/L #	75
6) Bromomethane	1.830	94	4335	2.087	ug/L	99
8) Chloroethane	1.904	64	5947	2.791	ug/L	97
9) Trichlorofluoromethane	2.120	101	11650	2.510	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	8358	2.800	ug/L	89
12) 1,1-Dichloroethene	2.570	96	7945	2.991	ug/L #	1
13) Acetone	2.625	43	11563	5.004	ug/L	98
14) Carbon disulfide	2.782	76	20389	2.522	ug/L	100
15) Methyl Acetate	2.946	43	9907	2.799	ug/L	97
17) trans-1,2-Dichloroethene	3.345	96	6874	2.531	ug/L	96
18) Methyl tert-butyl Ether	3.354	73	21502	2.462	ug/L	98
19) 1,1-Dichloroethane	3.859	63	13681	2.456	ug/L	97
20) cis-1,2-Dichloroethene	4.660	96	8318	2.683	ug/L	99
23) Bromochloromethane	4.968	128	3921	2.442	ug/L	97
25) Chloroform	5.084	83	16263	2.795	ug/L	97
27) 1,2-Dichloroethane	5.792	62	12859	2.763	ug/L #	94
29) Cyclohexane	5.380	56	9935	2.239	ug/L	98

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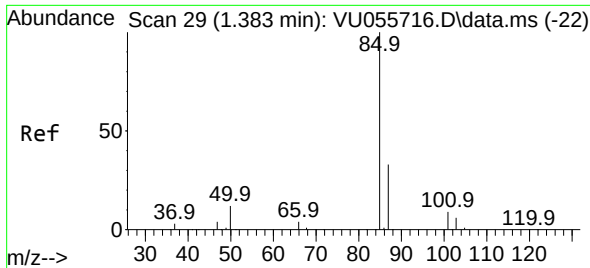
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	5.316	97	12567	2.513	ug/L	94
31) Carbon tetrachloride	5.521	117	11332	2.589	ug/L	98
33) Benzene	5.772	78	29487	2.410	ug/L	100
34) Trichloroethene	6.538	95	8514	2.543	ug/L	96
35) Methylcyclohexane	6.759	83	11358	2.338	ug/L	97
37) 1,2-Dichloropropane	6.792	63	7837	2.326	ug/L #	91
38) Bromodichloromethane	7.103	83	10730	2.415	ug/L	92
39) cis-1,3-Dichloropropene	7.605	75	12208	2.381	ug/L	95
40) 4-Methyl-2-pentanone	7.795	43	24847	5.300	ug/L	98
42) Toluene	7.968	91	32042	2.482	ug/L	97
44) trans-1,3-Dichloropropene	8.210	75	11203	2.284	ug/L	92
45) 1,1,2-Trichloroethane	8.399	97	8508	2.561	ug/L	97
46) Tetrachloroethene	8.550	164	5413	2.258	ug/L	98
48) 2-Hexanone	8.685	43	46724	11.800	ug/L #	92
49) Dibromochloromethane	8.808	129	8432	2.484	ug/L	92
50) 1,2-Dibromoethane	8.920	107	9277	2.600	ug/L #	86
51) Chlorobenzene	9.444	112	19826	2.373	ug/L	92
52) Ethylbenzene	9.570	91	32888	2.330	ug/L	98
53) m,p-Xylene	9.695	106	12093	2.287	ug/L	88
54) o-Xylene	10.100	106	11622	2.271	ug/L	95
55) Styrene	10.116	104	18246	2.105	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.782	83	18369	3.229	ug/L #	98
59) Bromoform	10.290	173	6246	2.627	ug/L #	94
60) 1,2,3-Trichloropropane	10.820	75	13611	3.247	ug/L	99
61) Isopropylbenzene	10.483	105	28028	2.328	ug/L	99
62) 1,3,5-Trimethylbenzene	11.087	105	22712	2.331	ug/L	98
63) 1,2,4-Trimethylbenzene	11.467	105	21247	2.205	ug/L	97
64) 1,3-Dichlorobenzene	11.743	146	15979	2.684	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	16585	2.710	ug/L	89
67) 1,2-Dichlorobenzene	12.213	146	16845	2.851	ug/L #	90
68) 1,2-Dibromo-3-chloropr...	13.000	75	3133	2.500	ug/L #	83
69) 1,3,5-Trichlorobenzene	13.222	180	10144	2.555	ug/L	93
70) 1,2,4-trichlorobenzene	13.843	180	8746	2.644	ug/L	96
71) Naphthalene	14.090	128	29155	2.968	ug/L	97
72) 1,2,3-Trichlorobenzene	14.331	180	8964	2.749	ug/L	93

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

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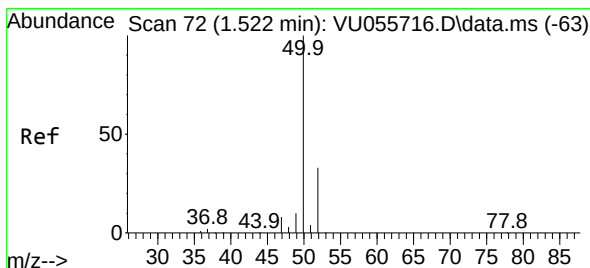
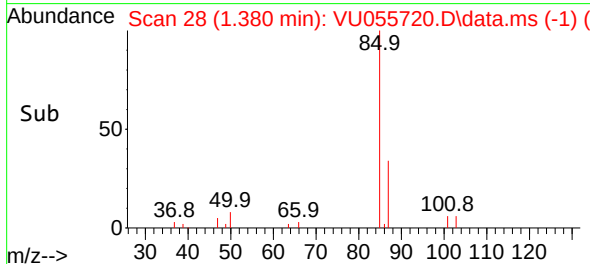
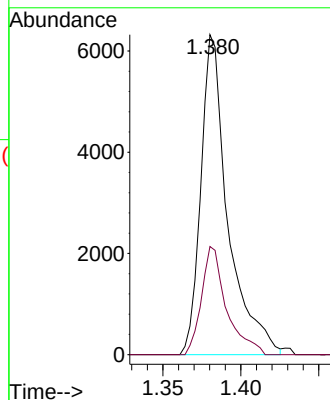
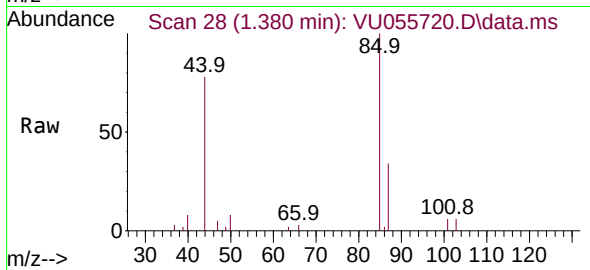




#2
 Dichlorodifluoromethane
 Concen: 2.445 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU055720.D
 Acq: 10 Oct 2023 14:46

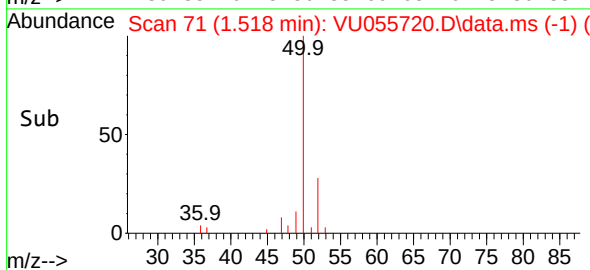
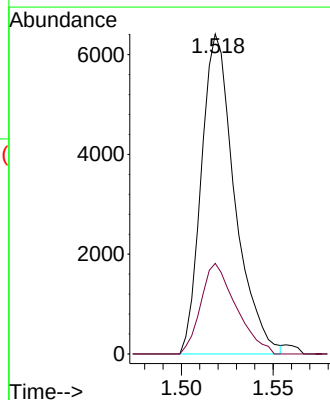
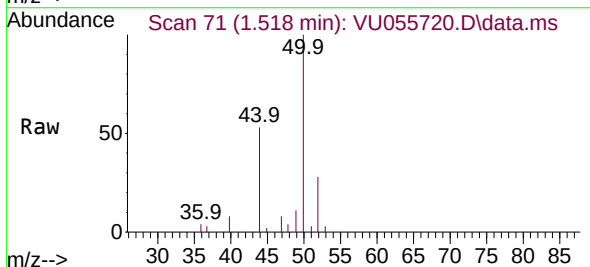
Instrument :
 MSVOA_U
 ClientSampleId :

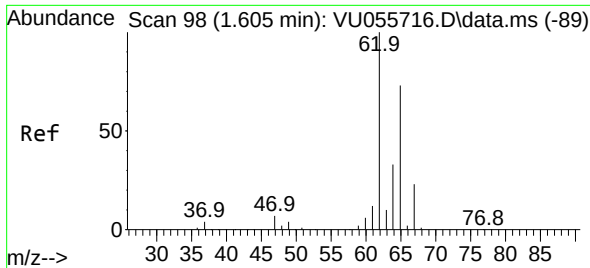
Tgt Ion: 85 Resp: 7627
 Ion Ratio Lower Upper
 85 100
 87 31.2 26.0 39.0



#3
 Chloromethane
 Concen: 2.749 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VU055720.D
 Acq: 10 Oct 2023 14:46

Tgt Ion: 50 Resp: 8115
 Ion Ratio Lower Upper
 50 100
 52 28.3 22.8 42.4

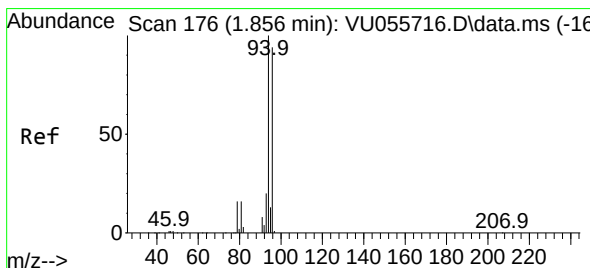
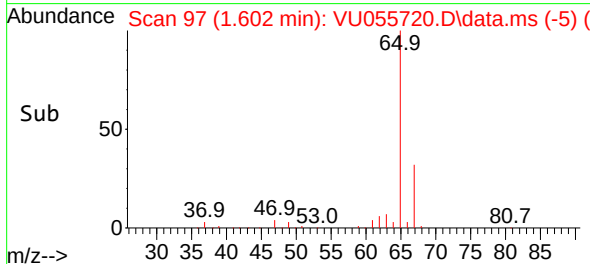
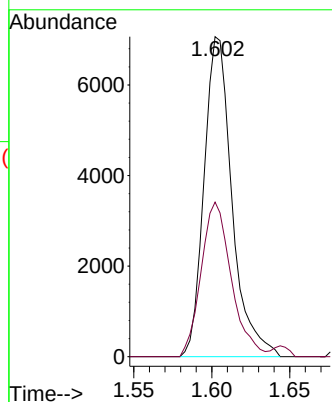
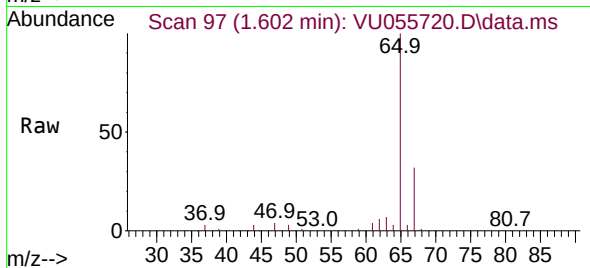




#5
 Vinyl chloride
 Concen: 2.709 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU055720.D
 Acq: 10 Oct 2023 14:46

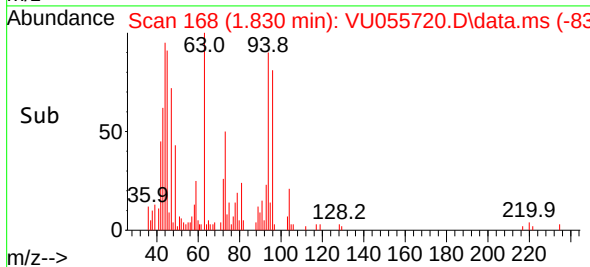
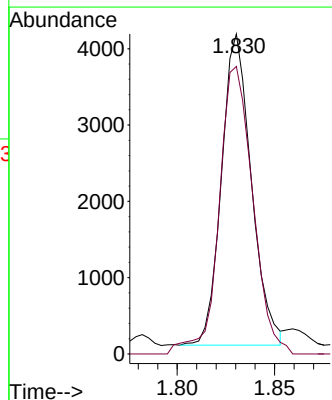
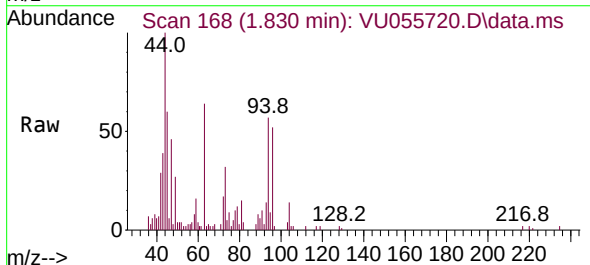
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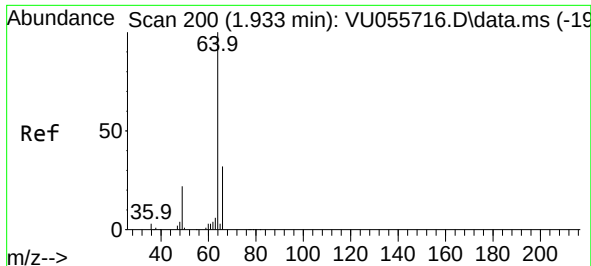
Tgt Ion: 62 Resp: 8802
 Ion Ratio Lower Upper
 62 100
 64 48.3 23.9 44.5#



#6
 Bromomethane
 Concen: 2.087 ug/L
 RT: 1.830 min Scan# 168
 Delta R.T. -0.026 min
 Lab File: VU055720.D
 Acq: 10 Oct 2023 14:46

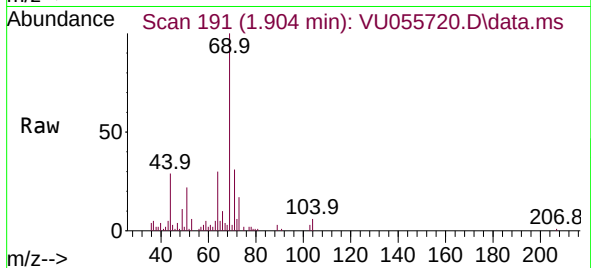
Tgt Ion: 94 Resp: 4335
 Ion Ratio Lower Upper
 94 100
 96 89.8 63.5 117.9



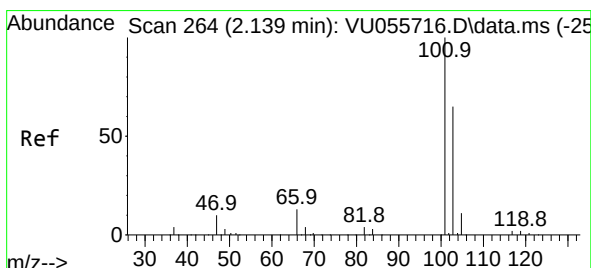
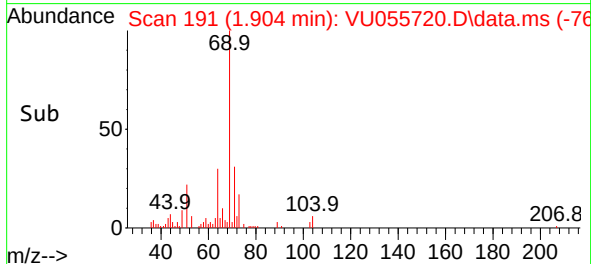
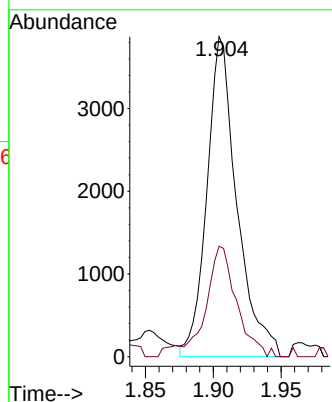


#8
Chloroethane
Concen: 2.791 ug/L
RT: 1.904 min Scan# 191
Delta R.T. -0.029 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

Instrument :
MSVOA_U
ClientSampleId :

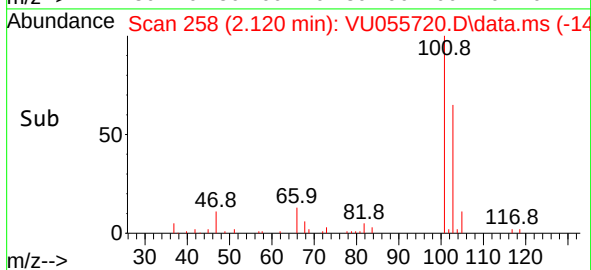
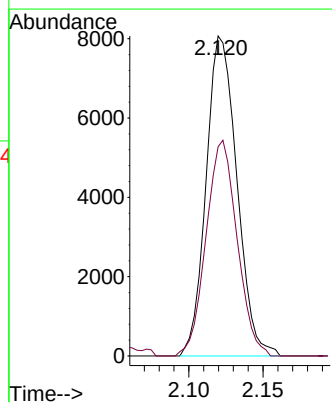
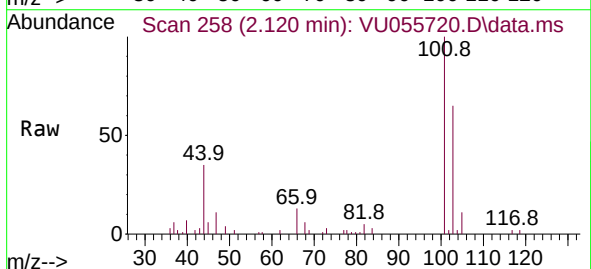


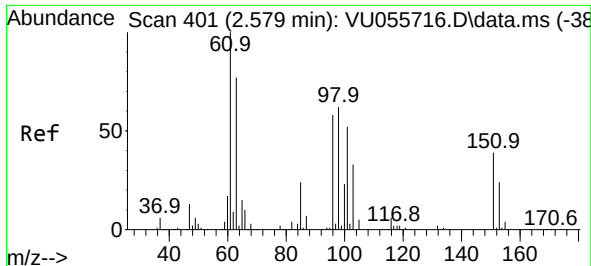
Tgt Ion: 64 Resp: 5947
Ion Ratio Lower Upper
64 100
66 34.5 22.9 42.5



#9
Trichlorofluoromethane
Concen: 2.510 ug/L
RT: 2.120 min Scan# 258
Delta R.T. -0.019 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

Tgt Ion: 101 Resp: 11650
Ion Ratio Lower Upper
101 100
103 67.9 51.3 76.9

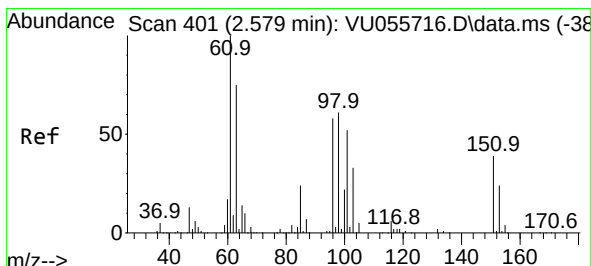
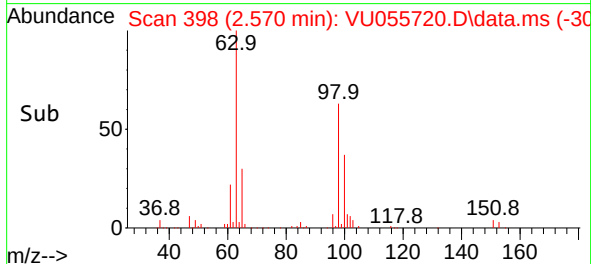
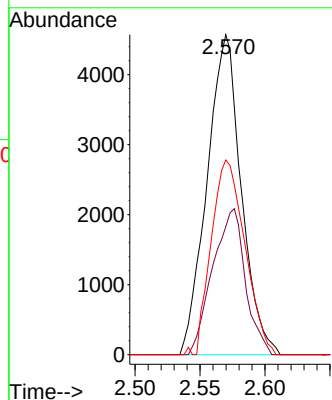
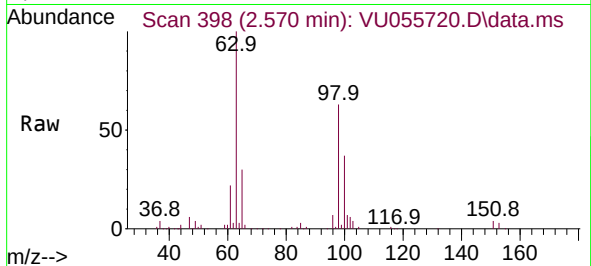




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.800 ug/L
RT: 2.570 min Scan# 398
Delta R.T. -0.009 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

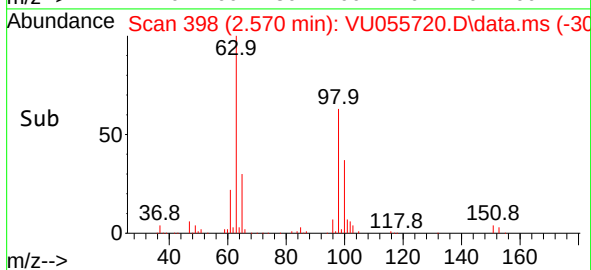
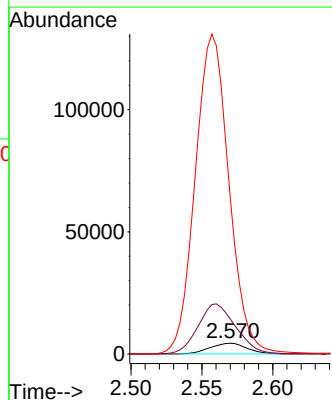
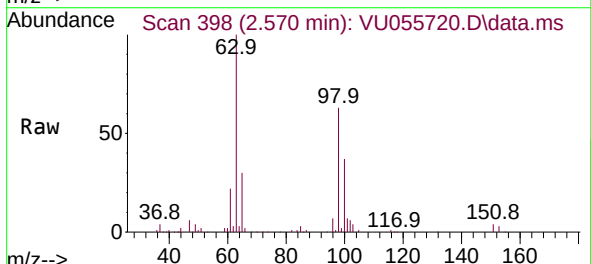
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ClientSampleId :

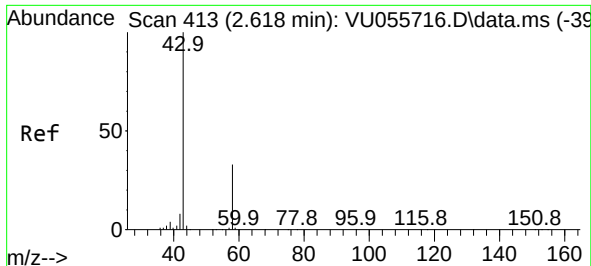
Tgt Ion:101 Resp: 8358
Ion Ratio Lower Upper
101 100
85 43.5 37.1 55.7
151 59.8 58.2 87.4



#12
1,1-Dichloroethene
Concen: 2.991 ug/L
RT: 2.570 min Scan# 398
Delta R.T. -0.009 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

Tgt Ion: 96 Resp: 7945
Ion Ratio Lower Upper
96 100
61 329.5 122.0 226.6#
63 1476.1 93.7 174.1#





#13

Acetone

Concen: 5.004 ug/L

RT: 2.625 min Scan# 41

Delta R.T. 0.007 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

Instrument :

MSVOA_U

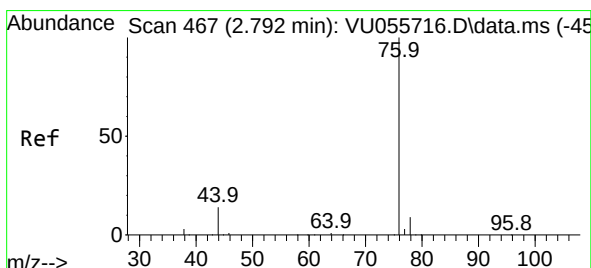
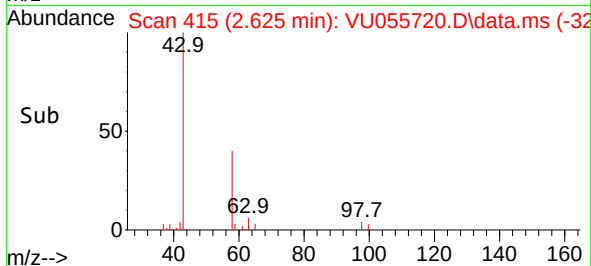
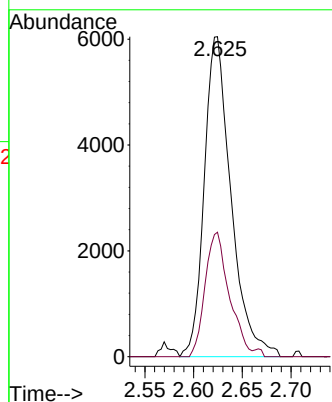
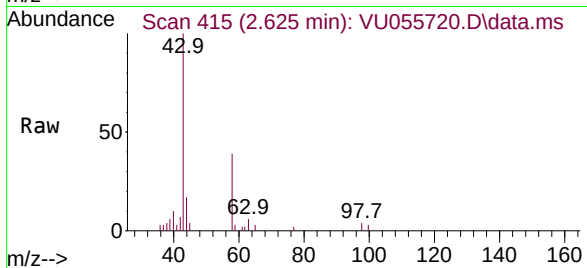
ClientSampleId :

Tgt Ion: 43 Resp: 11563

Ion Ratio Lower Upper

43 100

58 35.0 0.0 67.4



#14

Carbon disulfide

Concen: 2.522 ug/L

RT: 2.782 min Scan# 464

Delta R.T. -0.009 min

Lab File: VU055720.D

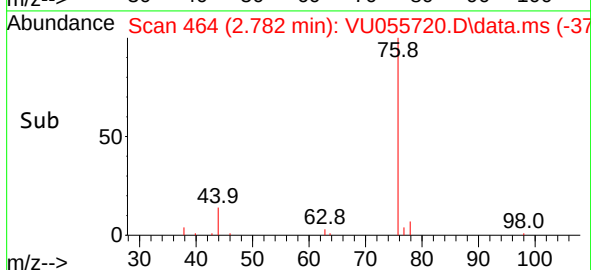
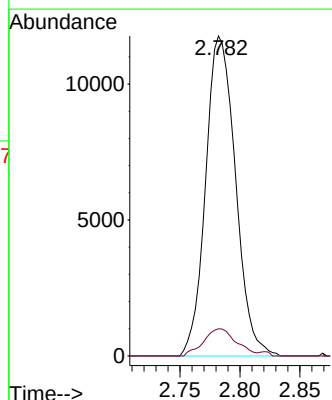
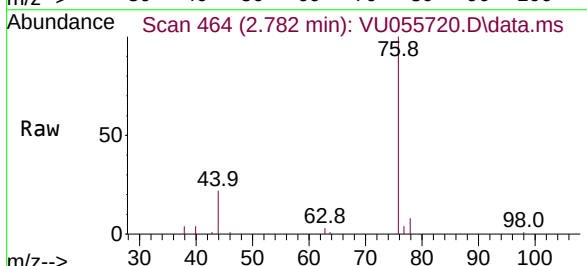
Acq: 10 Oct 2023 14:46

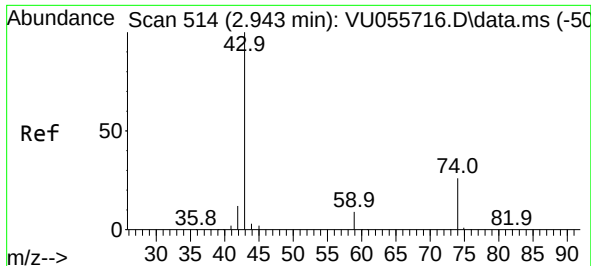
Tgt Ion: 76 Resp: 20389

Ion Ratio Lower Upper

76 100

78 8.5 6.8 10.2

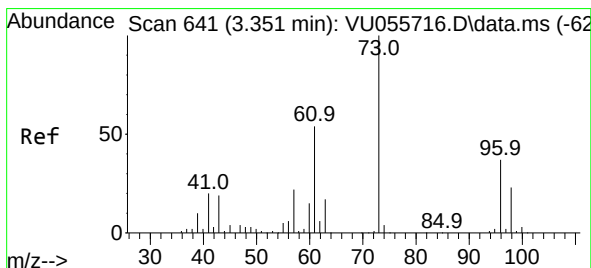
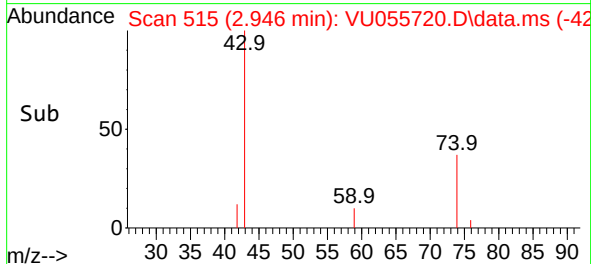
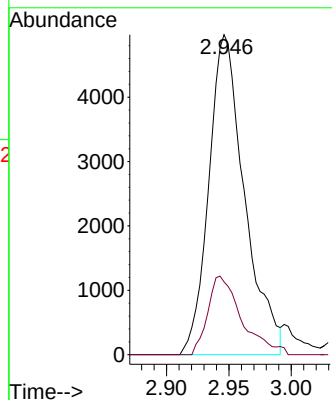
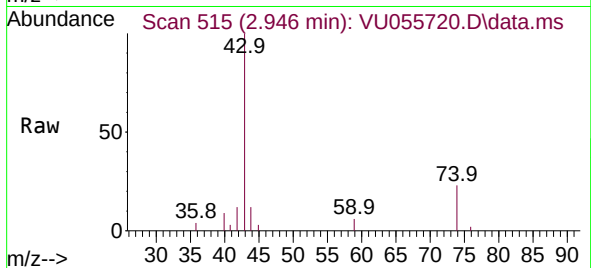




#15
Methyl Acetate
Concen: 2.799 ug/L
RT: 2.946 min Scan# 514
Delta R.T. 0.003 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

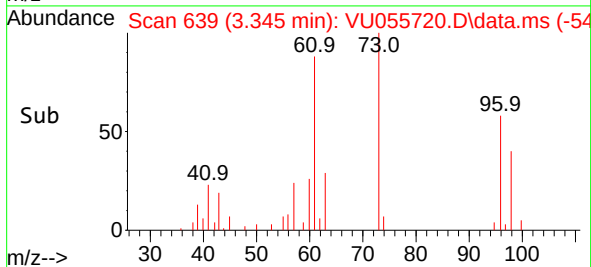
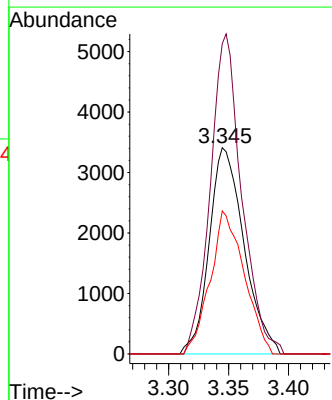
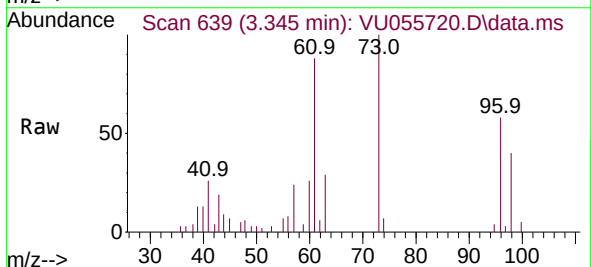
Instrument :
MSVOA_U
ClientSampleId :

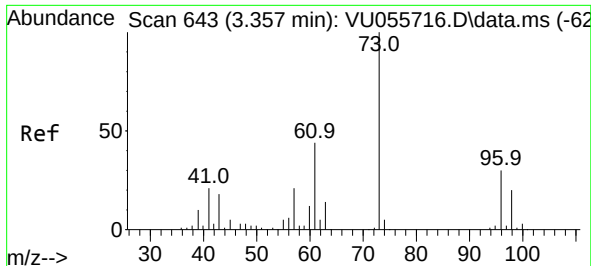
Tgt Ion: 43 Resp: 9907
Ion Ratio Lower Upper
43 100
74 22.9 19.5 29.3



#17
trans-1,2-Dichloroethene
Concen: 2.531 ug/L
RT: 3.345 min Scan# 639
Delta R.T. -0.006 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

Tgt Ion: 96 Resp: 6874
Ion Ratio Lower Upper
96 100
61 150.5 102.1 189.7
98 69.3 46.3 86.1





#18

Methyl tert-butyl Ether

Concen: 2.462 ug/L

RT: 3.354 min Scan# 64

Delta R.T. -0.003 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

Instrument :

MSVOA_U

ClientSampleId :

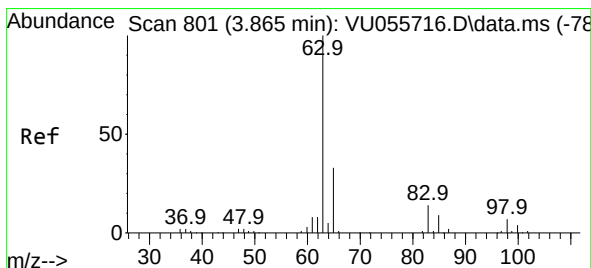
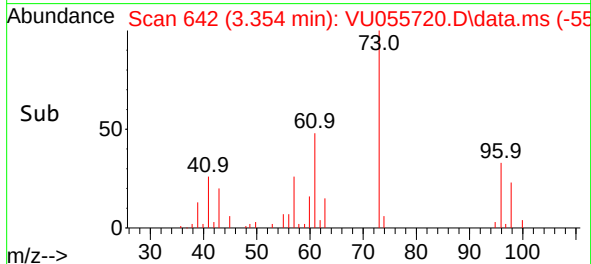
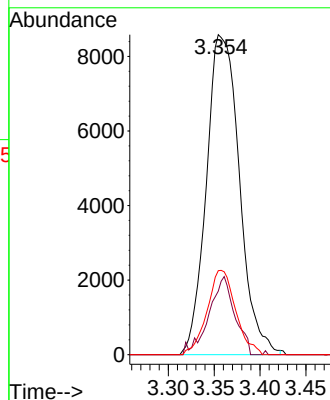
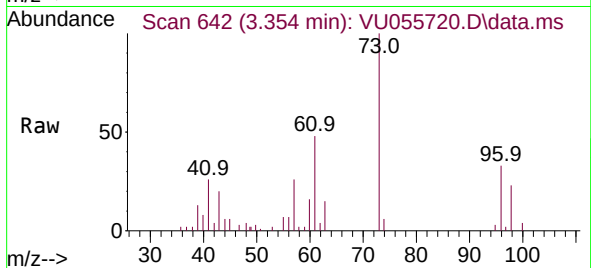
Tgt Ion: 73 Resp: 21502

Ion Ratio Lower Upper

73 100

43 17.7 15.4 23.2

57 22.8 17.7 26.5



#19

1,1-Dichloroethane

Concen: 2.456 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.006 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

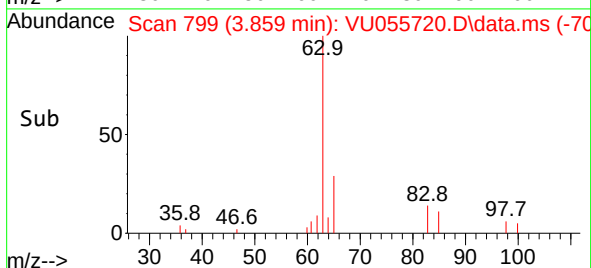
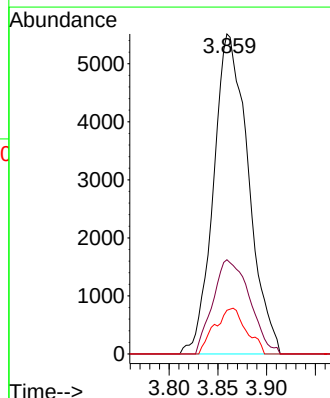
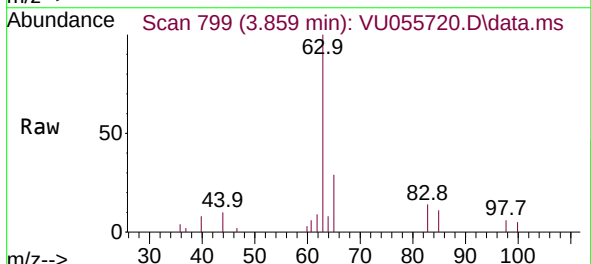
Tgt Ion: 63 Resp: 13681

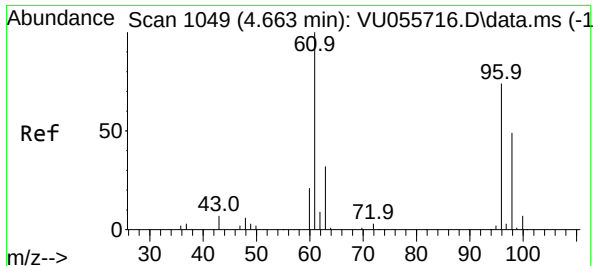
Ion Ratio Lower Upper

63 100

65 29.4 22.3 41.5

83 13.7 9.5 17.7

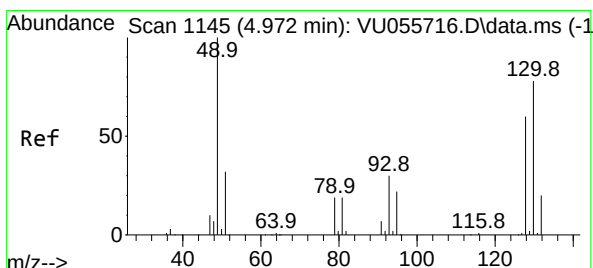
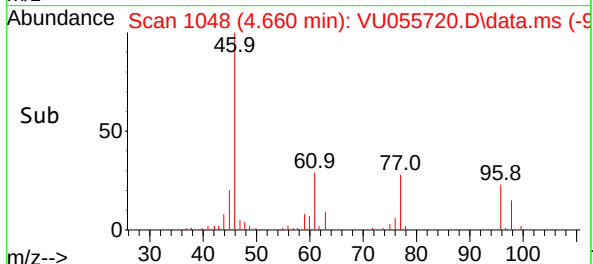
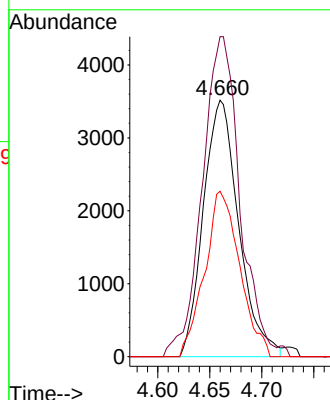
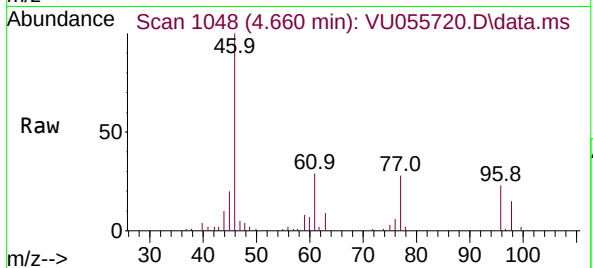




#20
cis-1,2-Dichloroethene
Concen: 2.683 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. -0.003 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

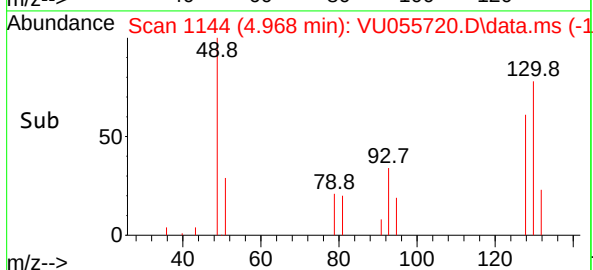
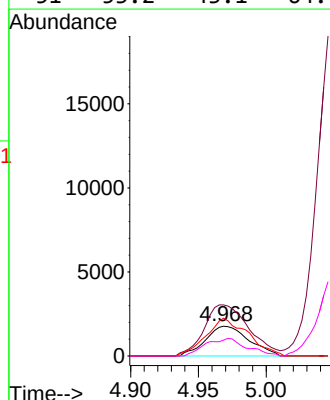
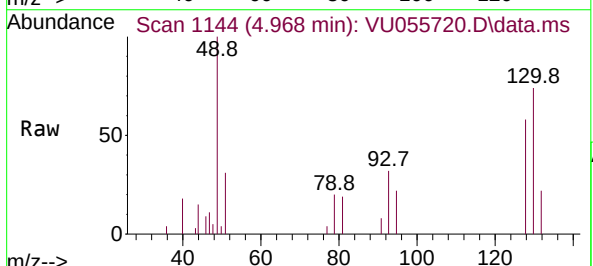
Instrument :
MSVOA_U
ClientSampleId :

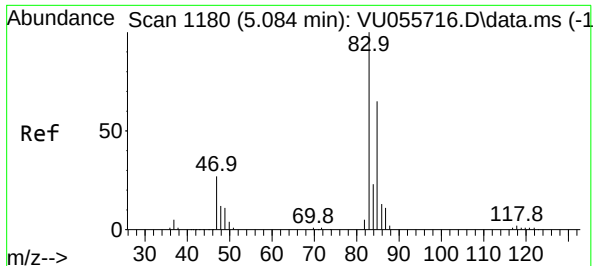
Tgt Ion: 96 Resp: 8318
Ion Ratio Lower Upper
96 100
61 130.7 92.3 171.5
98 62.6 43.9 81.5



#23
Bromochloromethane
Concen: 2.442 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. -0.003 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

Tgt Ion: 128 Resp: 3921
Ion Ratio Lower Upper
128 100
49 172.1 116.3 216.1
130 127.3 91.6 170.0
51 53.2 43.1 64.7





#25

Chloroform

Concen: 2.795 ug/L

RT: 5.084 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

Instrument :

MSVOA_U

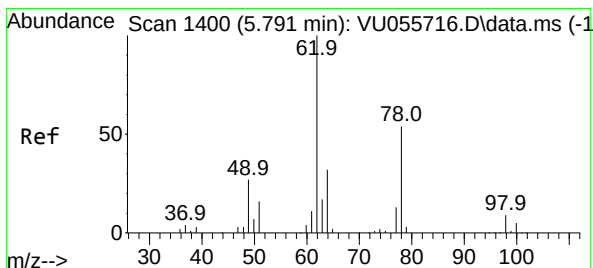
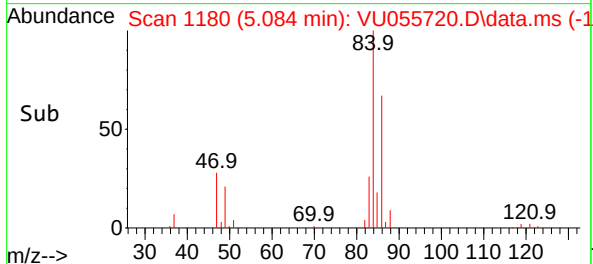
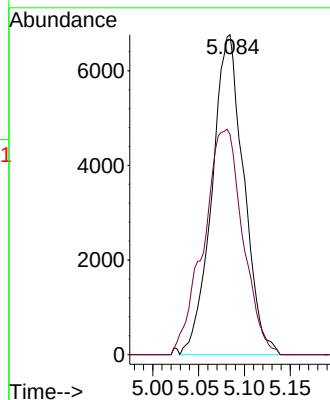
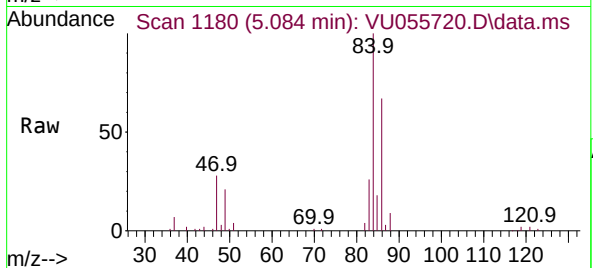
ClientSampleId :

Tgt Ion: 83 Resp: 16263

Ion Ratio Lower Upper

83 100

85 68.8 46.3 86.1



#27

1,2-Dichloroethane

Concen: 2.763 ug/L

RT: 5.792 min Scan# 1400

Delta R.T. 0.000 min

Lab File: VU055720.D

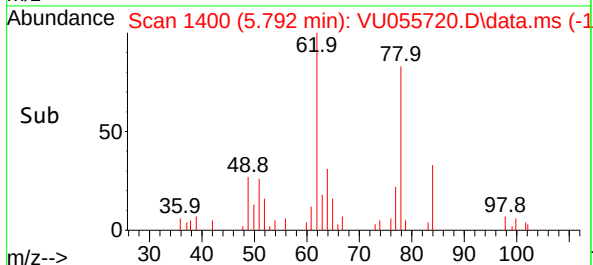
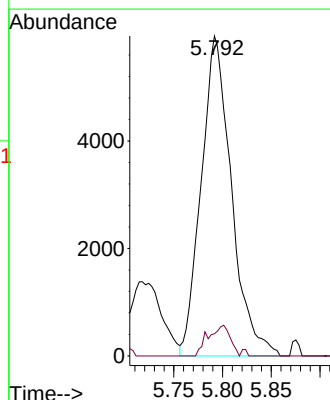
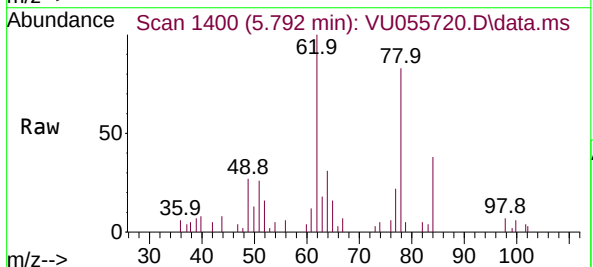
Acq: 10 Oct 2023 14:46

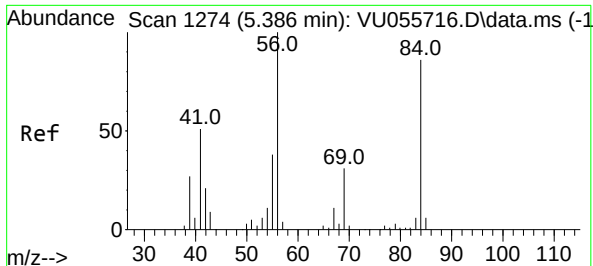
Tgt Ion: 62 Resp: 12859

Ion Ratio Lower Upper

62 100

98 7.0 7.2 10.8#





#29

Cyclohexane

Concen: 2.239 ug/L

RT: 5.380 min Scan# 11

Delta R.T. -0.006 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

Instrument :

MSVOA_U

ClientSampleId :

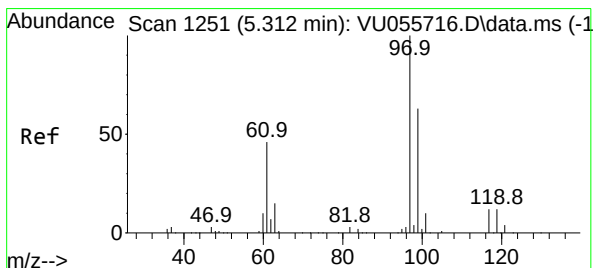
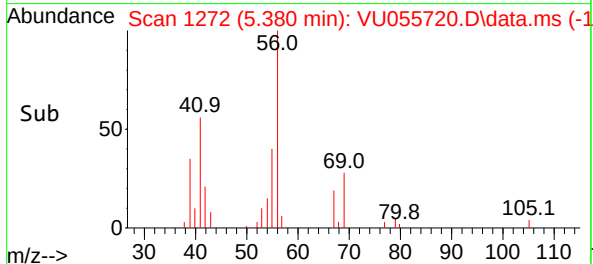
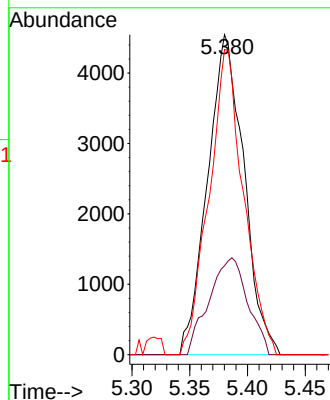
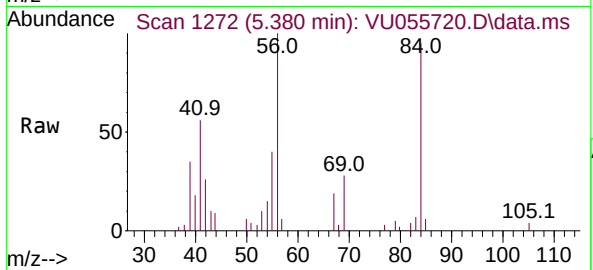
Tgt Ion: 56 Resp: 9935

Ion Ratio Lower Upper

56 100

69 32.3 24.9 37.3

84 90.5 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 2.513 ug/L

RT: 5.316 min Scan# 1252

Delta R.T. 0.003 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

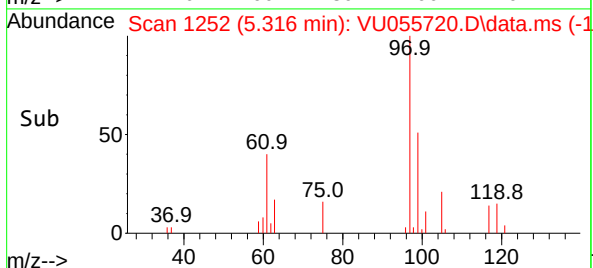
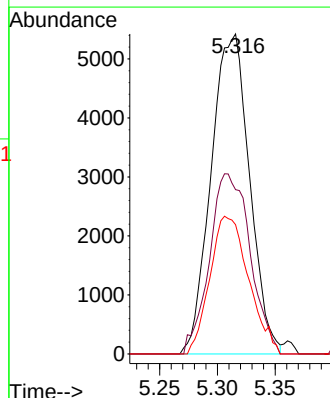
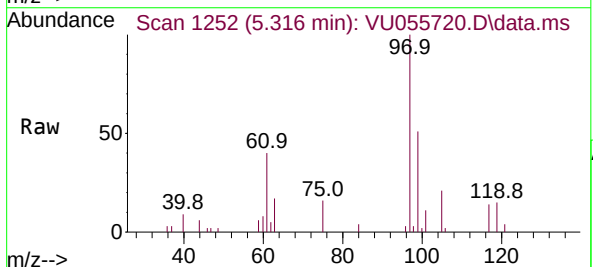
Tgt Ion: 97 Resp: 12567

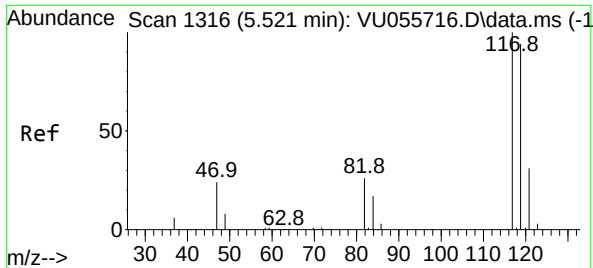
Ion Ratio Lower Upper

97 100

99 59.4 51.6 77.4

61 42.1 36.8 55.2

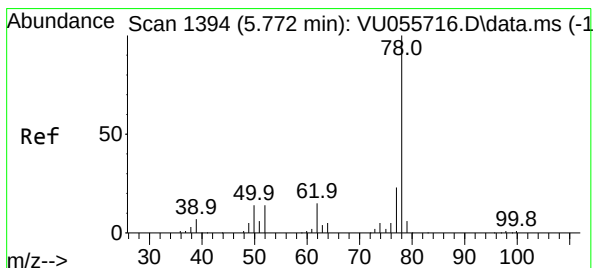
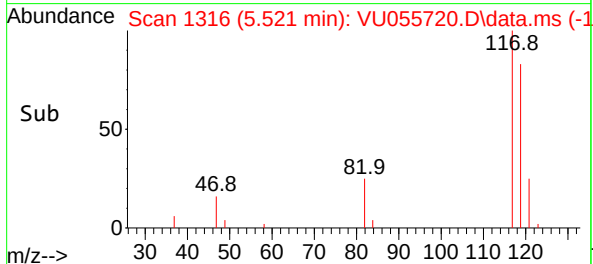
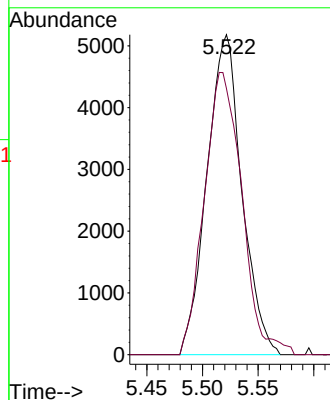
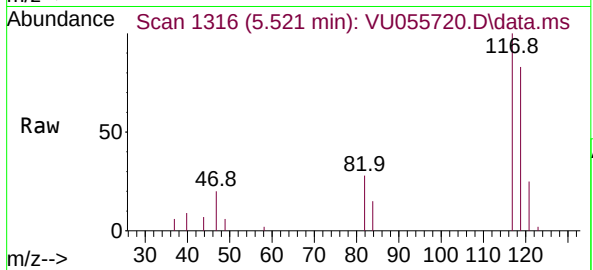




#31
Carbon tetrachloride
Concen: 2.589 ug/L
RT: 5.521 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

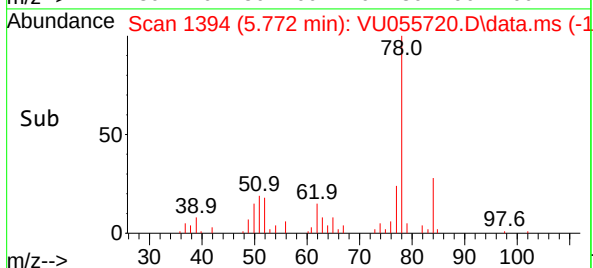
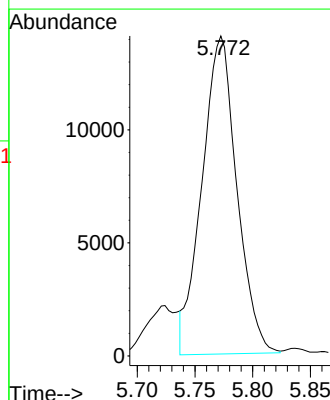
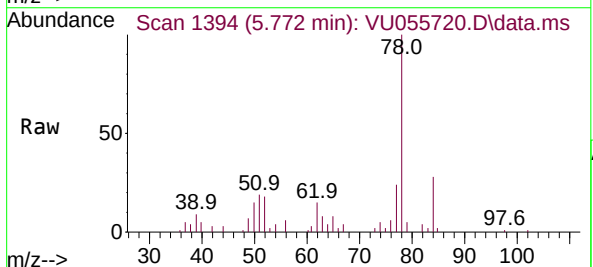
Instrument :
MSVOA_U
ClientSampleId :

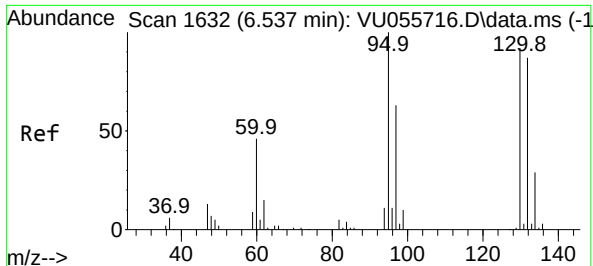
Tgt Ion:117 Resp: 11332
Ion Ratio Lower Upper
117 100
119 92.2 75.4 113.0



#33
Benzene
Concen: 2.410 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

Tgt Ion: 78 Resp: 29487





#34

Trichloroethene

Concen: 2.543 ug/L

RT: 6.538 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 8514

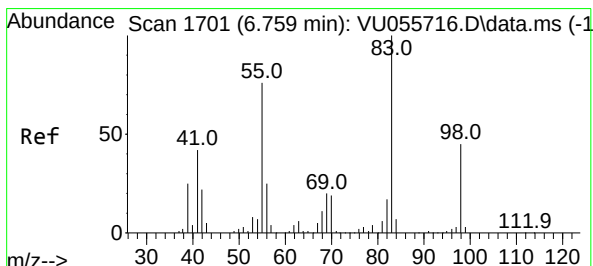
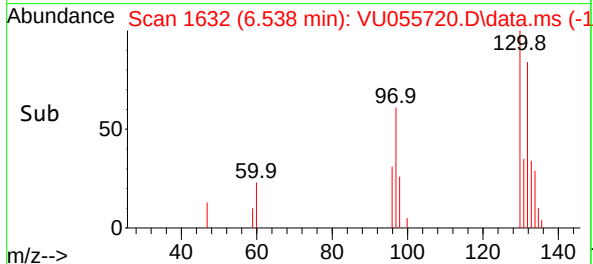
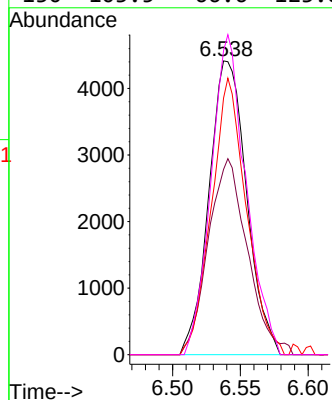
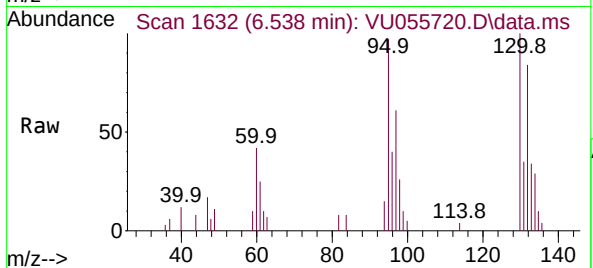
Ion Ratio Lower Upper

95 100

97 63.1 44.4 82.5

132 87.4 61.8 114.8

130 103.5 66.6 123.8



#35

Methylcyclohexane

Concen: 2.338 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

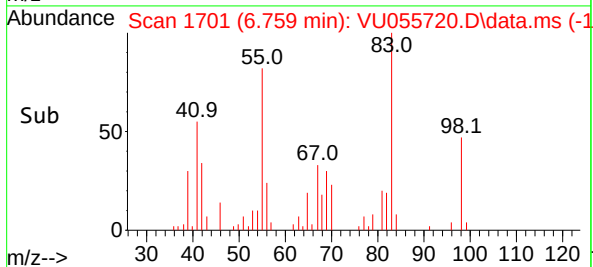
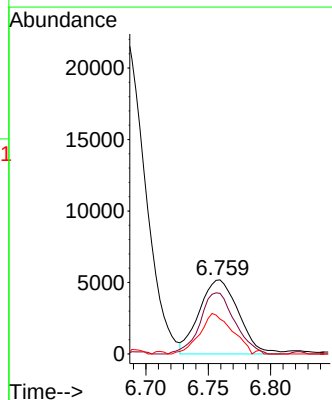
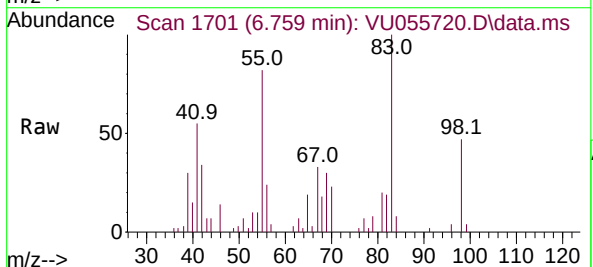
Tgt Ion: 83 Resp: 11358

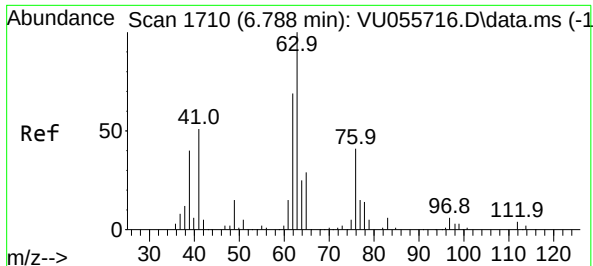
Ion Ratio Lower Upper

83 100

55 72.8 61.2 91.8

98 44.9 35.8 53.6





#37

1,2-Dichloropropane

Concen: 2.326 ug/L

RT: 6.792 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

Instrument :

MSVOA_U

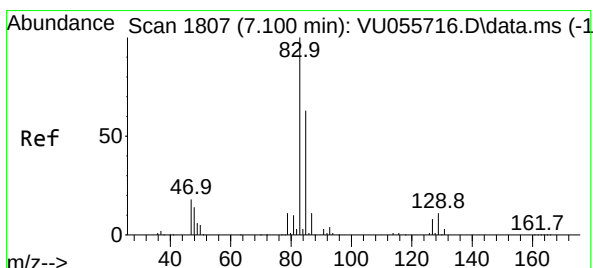
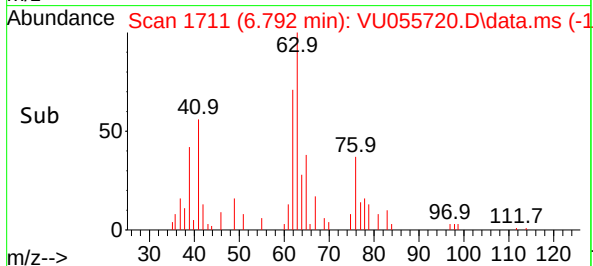
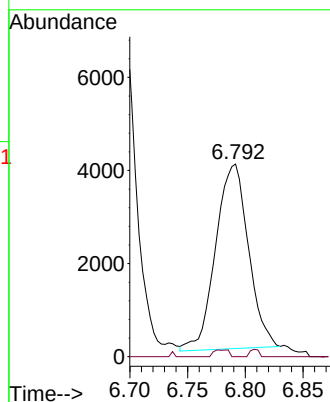
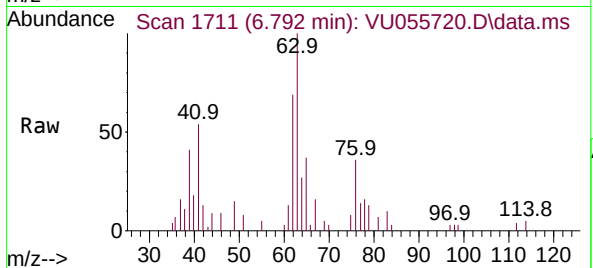
ClientSampleId :

Tgt Ion: 63 Resp: 7837

Ion Ratio Lower Upper

63 100

112 0.7 3.0 4.4#



#38

Bromodichloromethane

Concen: 2.415 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. 0.003 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

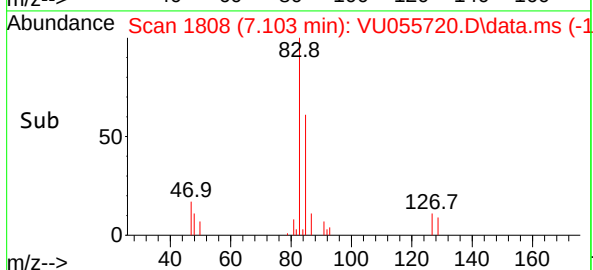
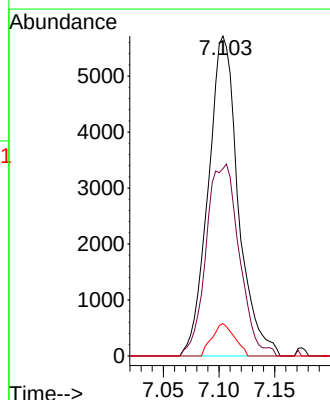
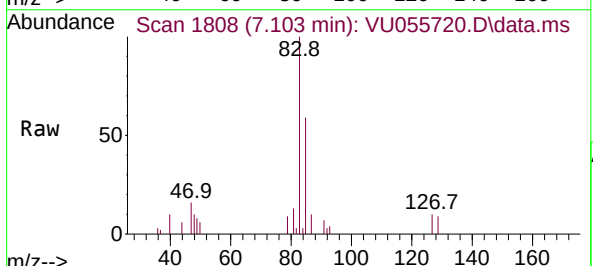
Tgt Ion: 83 Resp: 10730

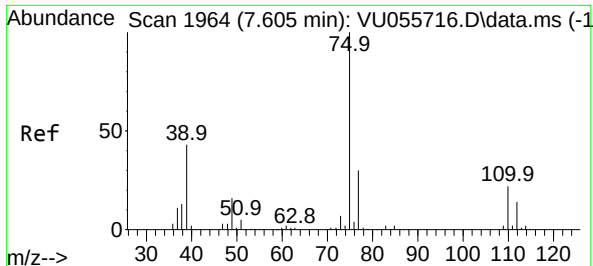
Ion Ratio Lower Upper

83 100

85 58.5 46.0 85.4

127 10.1 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 2.381 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

Instrument :

MSVOA_U

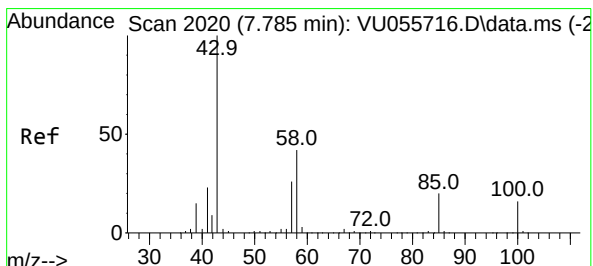
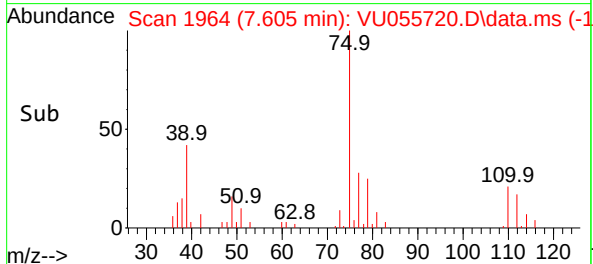
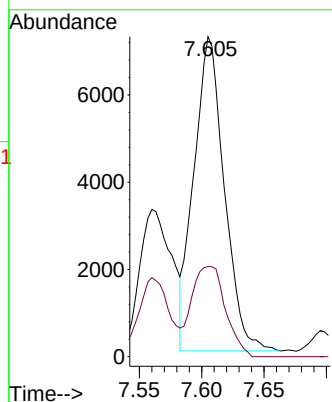
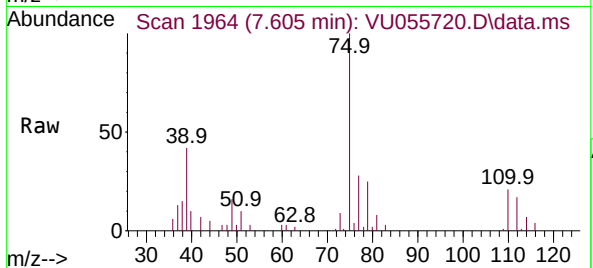
ClientSampleId :

Tgt Ion: 75 Resp: 12208

Ion Ratio Lower Upper

75 100

77 28.2 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 5.300 ug/L

RT: 7.795 min Scan# 2023

Delta R.T. 0.010 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

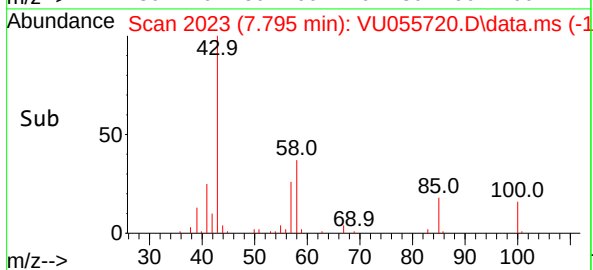
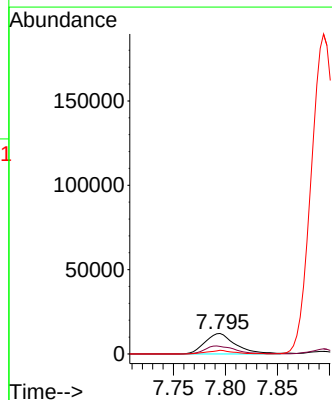
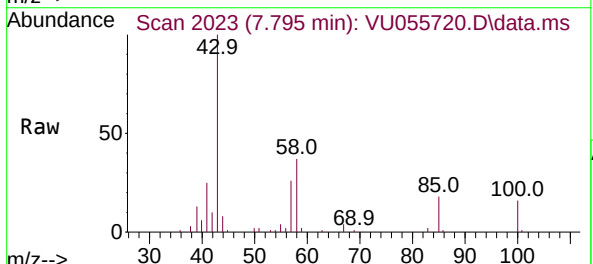
Tgt Ion: 43 Resp: 24847

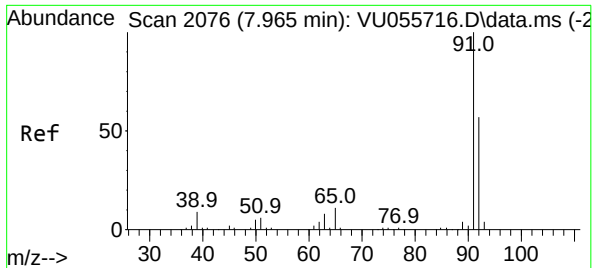
Ion Ratio Lower Upper

43 100

58 38.7 32.3 48.5

100 15.2 12.0 18.0





#42

Toluene

Concen: 2.482 ug/L

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

Instrument :

MSVOA_U

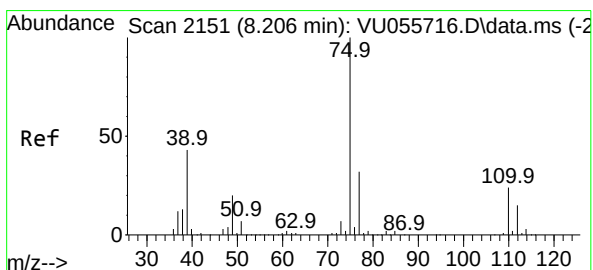
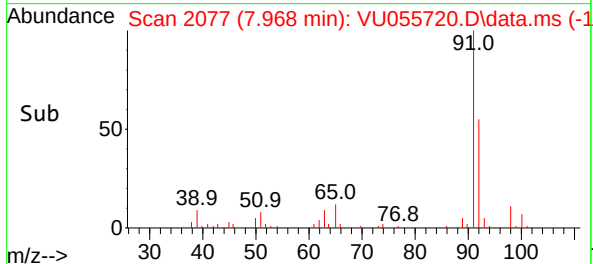
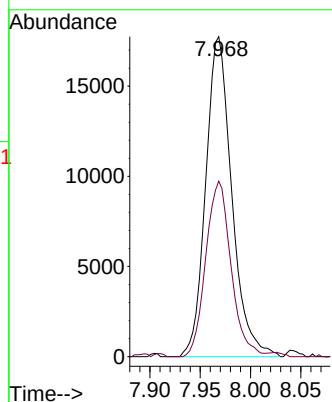
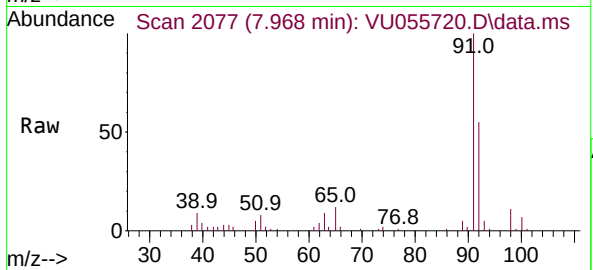
ClientSampleId :

Tgt Ion: 91 Resp: 32042

Ion Ratio Lower Upper

91 100

92 54.9 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 2.284 ug/L

RT: 8.210 min Scan# 2152

Delta R.T. 0.003 min

Lab File: VU055720.D

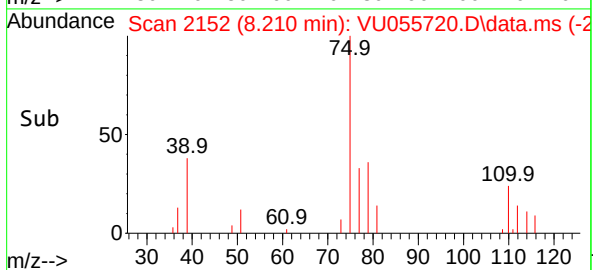
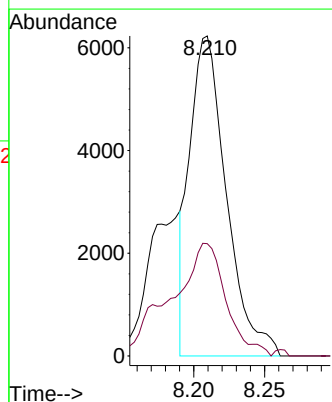
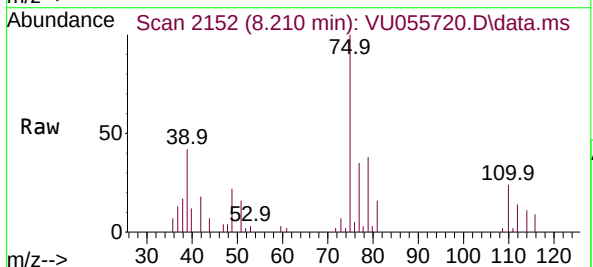
Acq: 10 Oct 2023 14:46

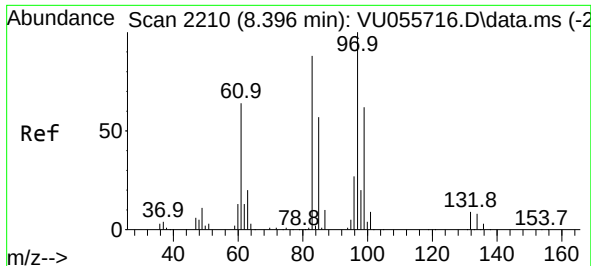
Tgt Ion: 75 Resp: 11203

Ion Ratio Lower Upper

75 100

77 35.1 21.6 40.2





#45

1,1,2-Trichloroethane

Concen: 2.561 ug/L

RT: 8.399 min Scan# 2211

Delta R.T. 0.003 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 8508

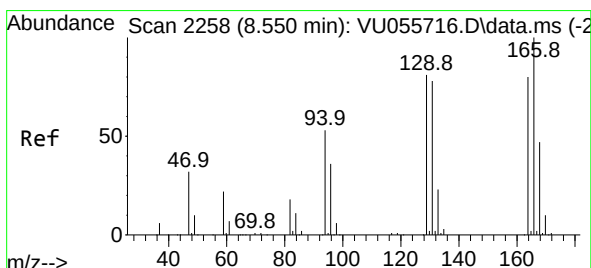
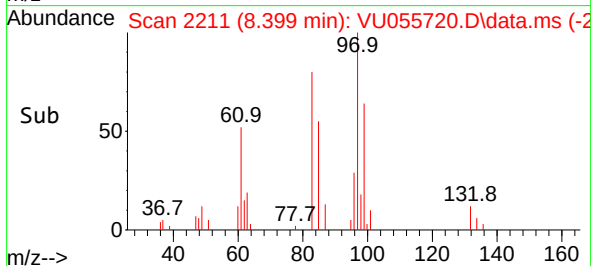
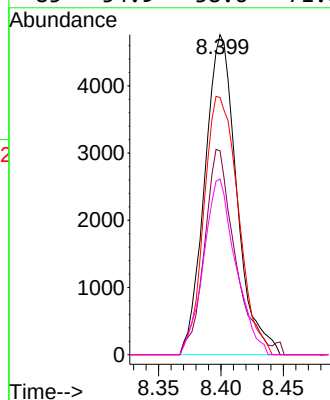
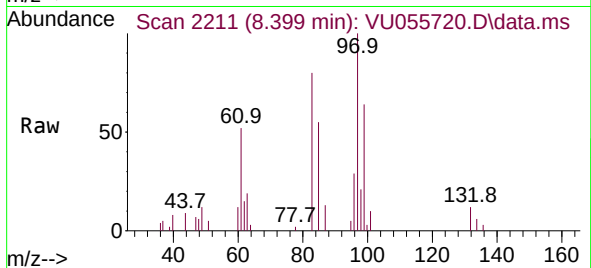
Ion Ratio Lower Upper

97 100

99 63.7 44.4 82.5

83 80.3 60.4 112.2

85 54.9 38.6 71.8



#46

Tetrachloroethene

Concen: 2.258 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. 0.000 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

Tgt Ion:164 Resp: 5413

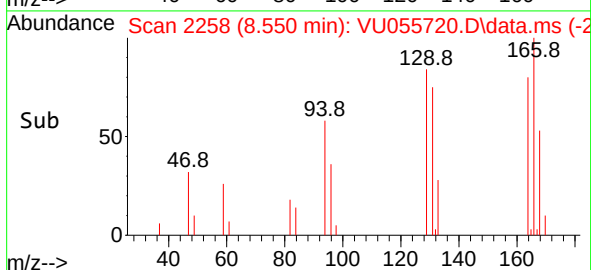
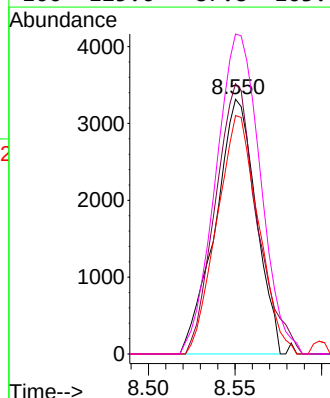
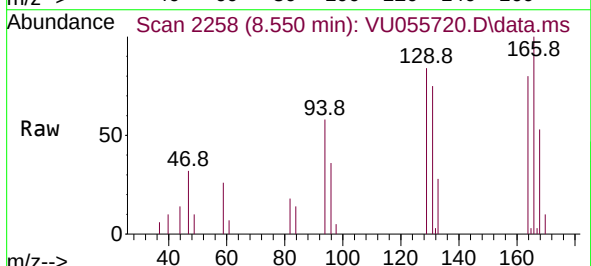
Ion Ratio Lower Upper

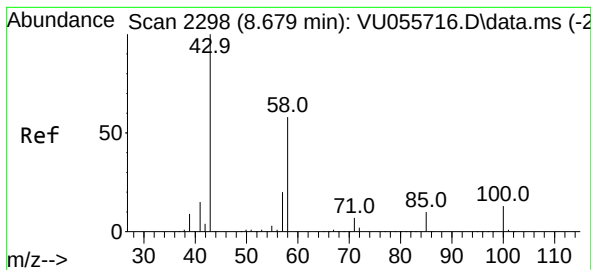
164 100

129 106.1 70.7 131.3

131 93.6 65.9 122.5

166 125.6 87.8 163.0





#48

2-Hexanone

Concen: 11.800 ug/L

RT: 8.685 min Scan# 21

Delta R.T. 0.007 min

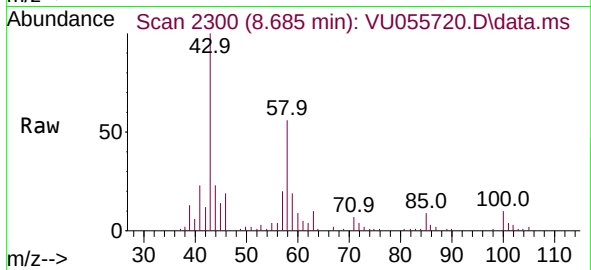
Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 46724

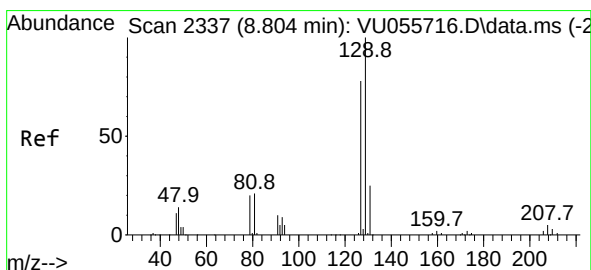
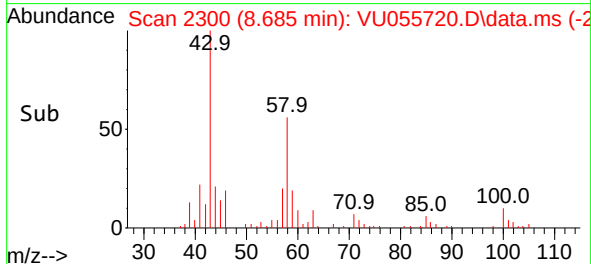
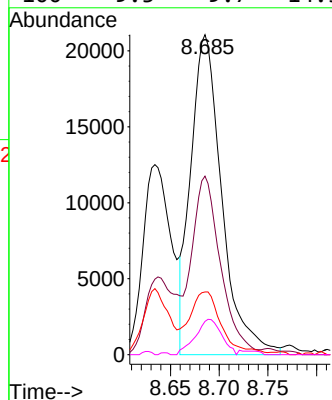
Ion Ratio Lower Upper

43 100

58 50.7 45.2 67.8

57 16.3 16.1 24.1

100 9.3 9.7 14.5#



#49

Dibromochloromethane

Concen: 2.484 ug/L

RT: 8.808 min Scan# 2338

Delta R.T. 0.003 min

Lab File: VU055720.D

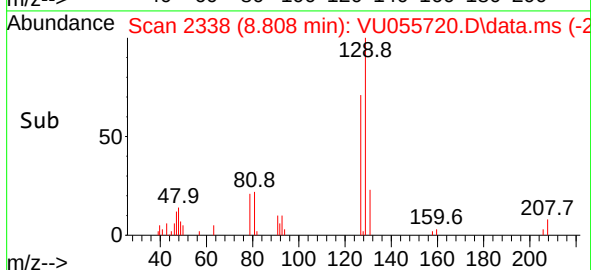
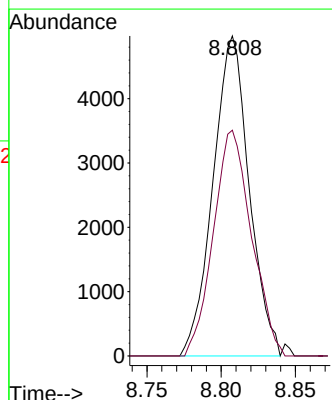
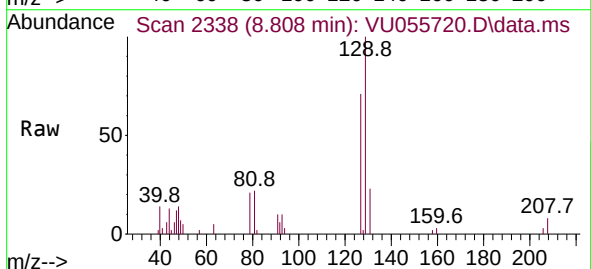
Acq: 10 Oct 2023 14:46

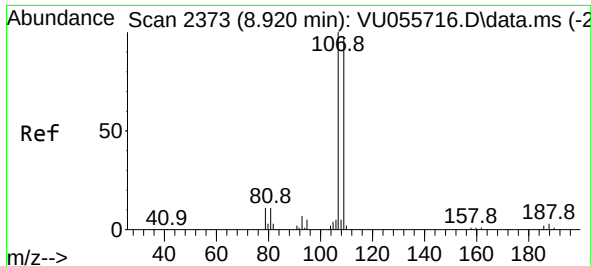
Tgt Ion:129 Resp: 8432

Ion Ratio Lower Upper

129 100

127 70.6 54.0 100.4

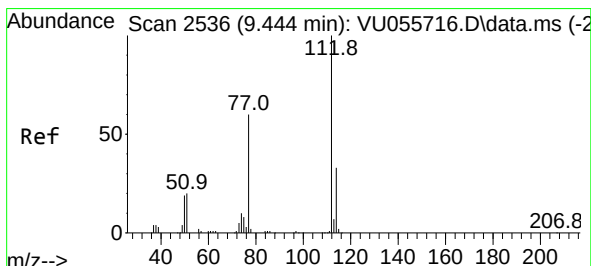
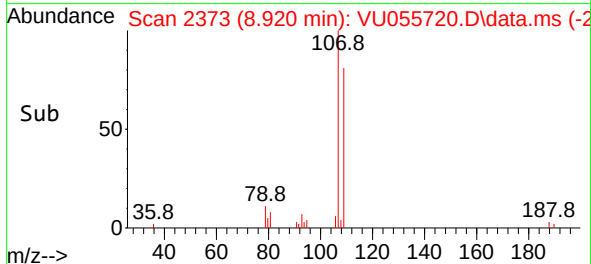
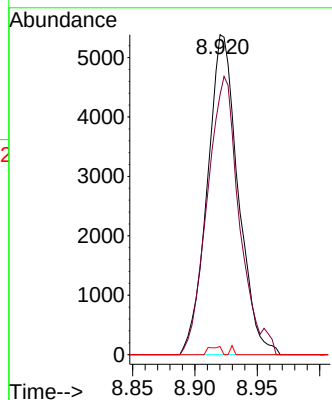
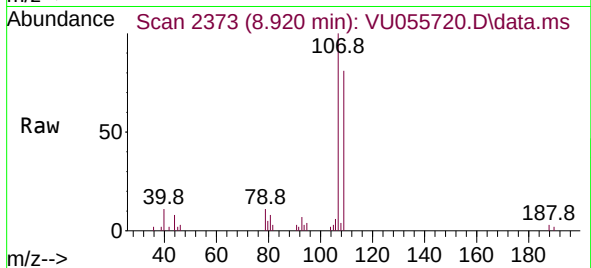




#50
1,2-Dibromoethane
Concen: 2.600 ug/L
RT: 8.920 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

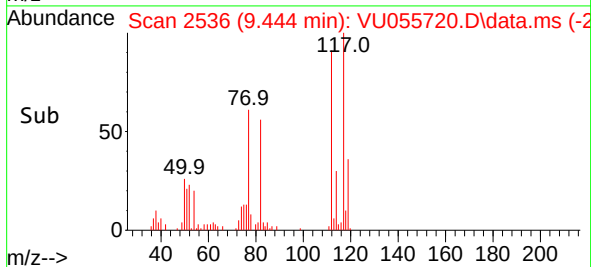
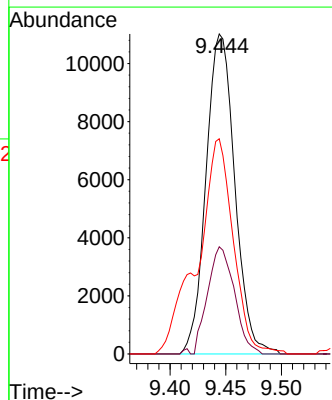
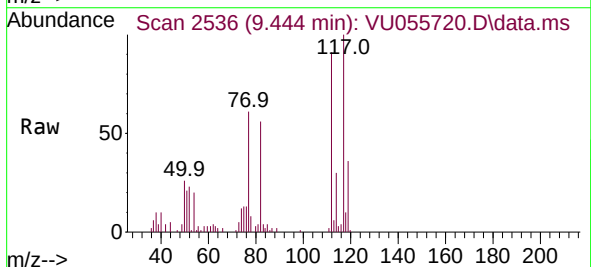
Instrument :
MSVOA_U
ClientSampleId :

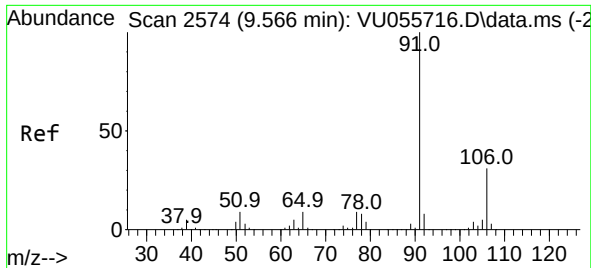
Tgt Ion:107 Resp: 9277
Ion Ratio Lower Upper
107 100
109 81.2 66.7 123.9
188 2.5 2.6 4.0#



#51
Chlorobenzene
Concen: 2.373 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.000 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

Tgt Ion:112 Resp: 19826
Ion Ratio Lower Upper
112 100
114 36.6 22.0 40.8
77 67.2 49.0 73.6

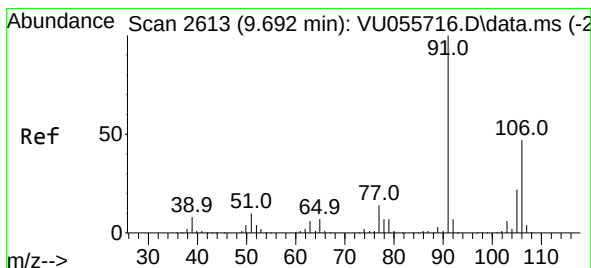
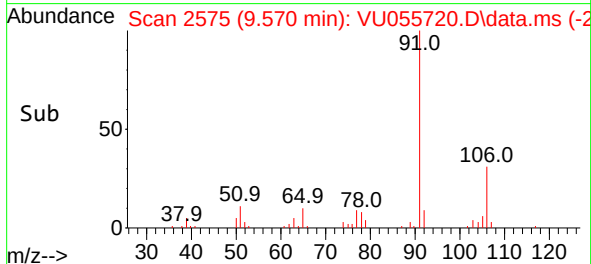
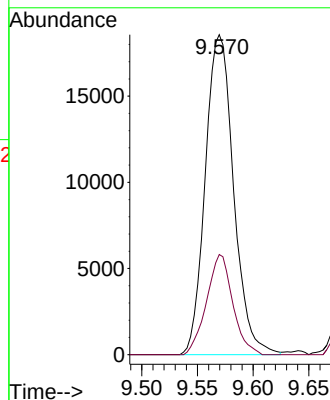
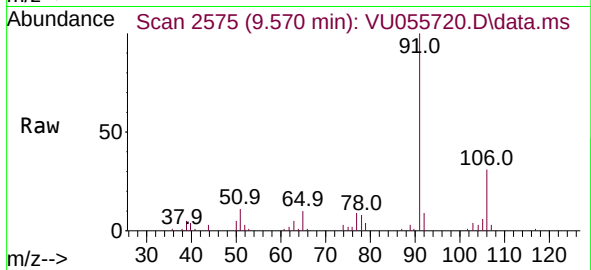




#52
Ethylbenzene
Concen: 2.330 ug/L
RT: 9.570 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

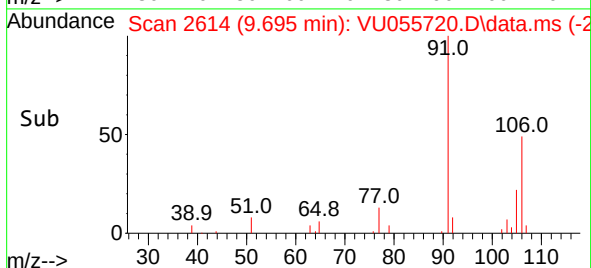
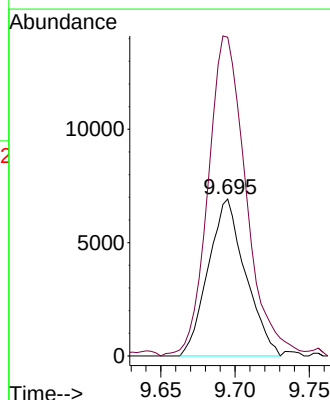
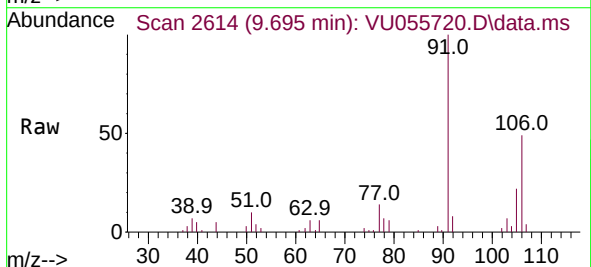
Instrument :
MSVOA_U
ClientSampleId :

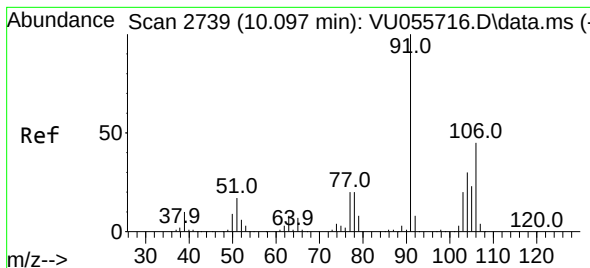
Tgt Ion: 91 Resp: 32888
Ion Ratio Lower Upper
91 100
106 31.3 21.2 39.4



#53
m,p-Xylene
Concen: 2.287 ug/L
RT: 9.695 min Scan# 2614
Delta R.T. 0.003 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

Tgt Ion: 106 Resp: 12093
Ion Ratio Lower Upper
106 100
91 187.5 143.8 267.0





#54

o-Xylene

Concen: 2.271 ug/L

RT: 10.100 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

Instrument :

MSVOA_U

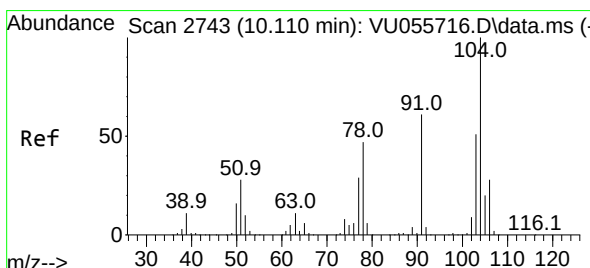
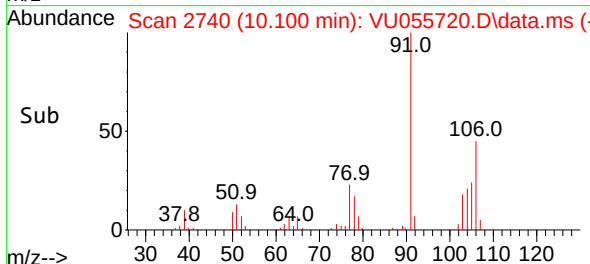
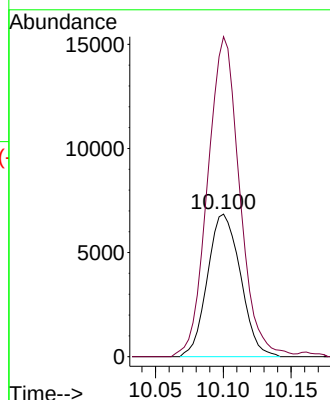
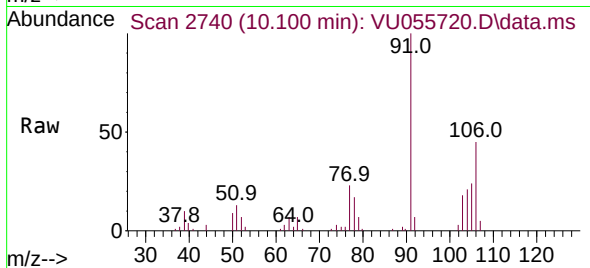
ClientSampleId :

Tgt Ion:106 Resp: 11622

Ion Ratio Lower Upper

106 100

91 224.4 151.8 282.0



#55

Styrene

Concen: 2.105 ug/L

RT: 10.116 min Scan# 2745

Delta R.T. 0.007 min

Lab File: VU055720.D

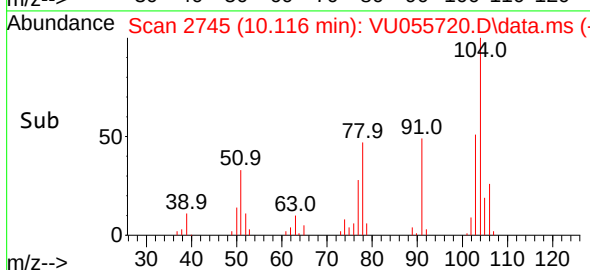
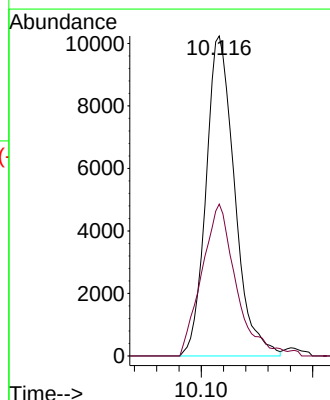
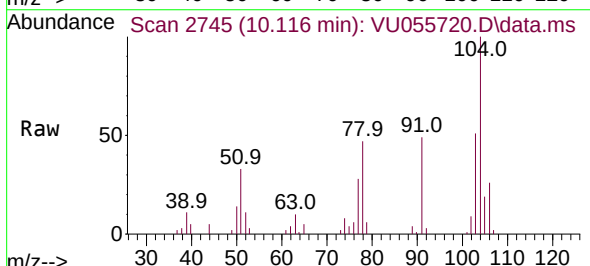
Acq: 10 Oct 2023 14:46

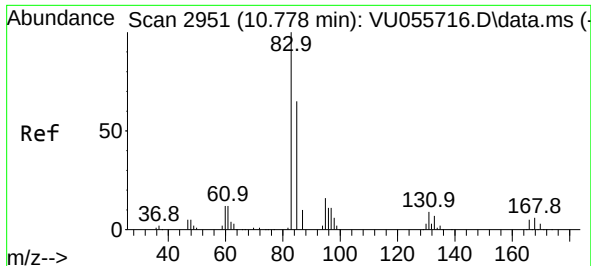
Tgt Ion:104 Resp: 18246

Ion Ratio Lower Upper

104 100

78 53.3 33.6 62.4





#57

1,1,2,2-Tetrachloroethane

Concen: 3.229 ug/L

RT: 10.782 min Scan# 2951

Delta R.T. 0.003 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

Instrument :

MSVOA_U

ClientSampleId :

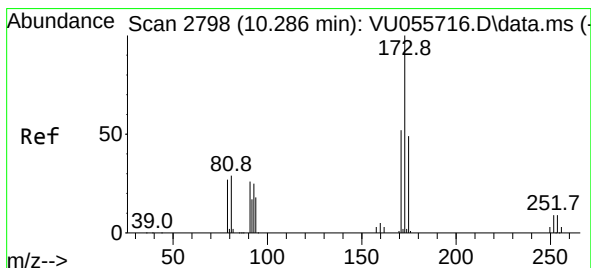
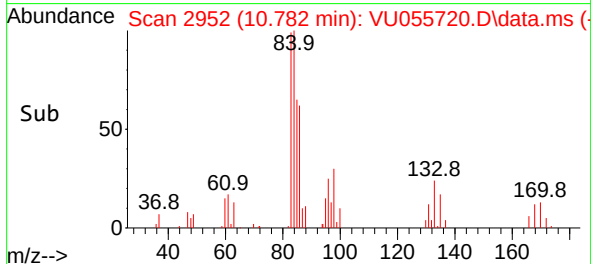
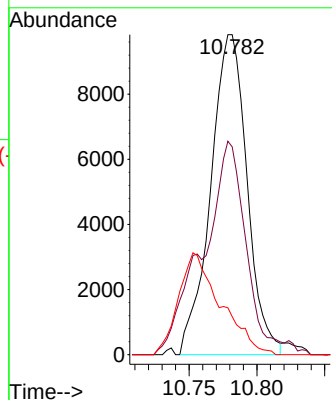
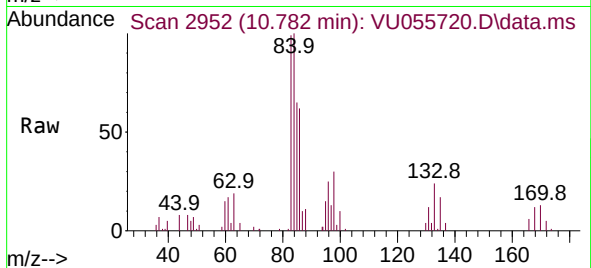
Tgt Ion: 83 Resp: 18369

Ion Ratio Lower Upper

83 100

85 64.9 44.9 83.5

131 11.9 7.3 10.9#



#59

Bromoform

Concen: 2.627 ug/L

RT: 10.290 min Scan# 2799

Delta R.T. 0.003 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

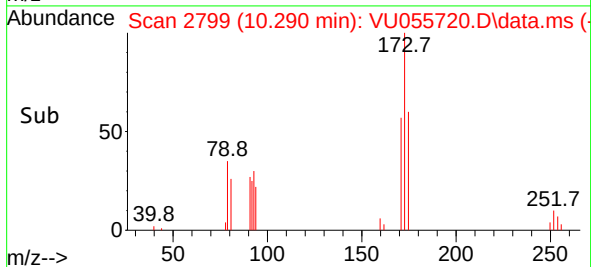
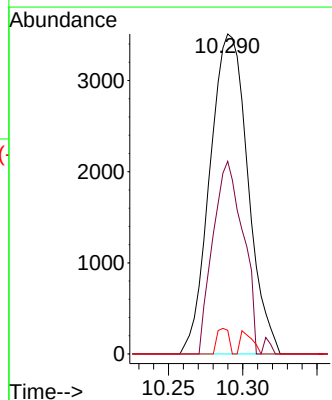
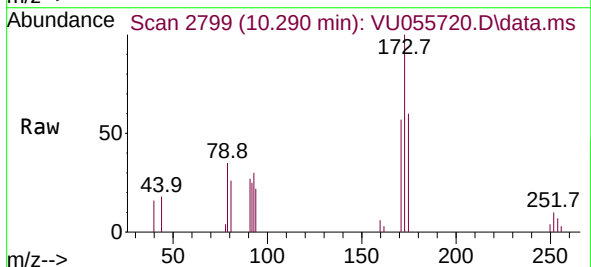
Tgt Ion:173 Resp: 6246

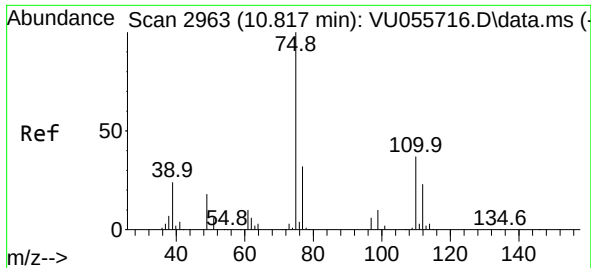
Ion Ratio Lower Upper

173 100

175 47.8 40.4 60.6

254 2.5 7.3 10.9#

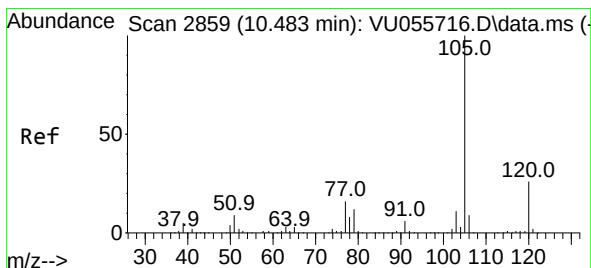
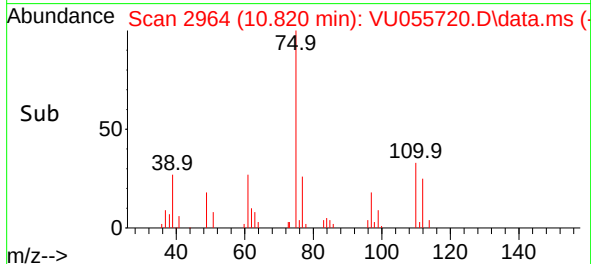
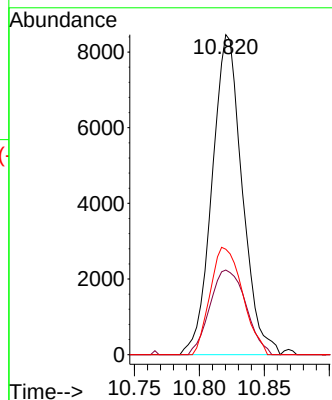
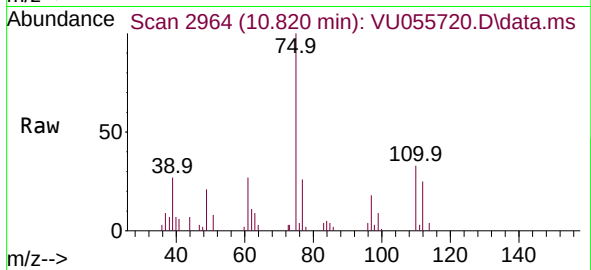




#60
 1,2,3-Trichloropropane
 Concen: 3.247 ug/L
 RT: 10.820 min Scan# 2964
 Delta R.T. 0.003 min
 Lab File: VU055720.D
 Acq: 10 Oct 2023 14:46

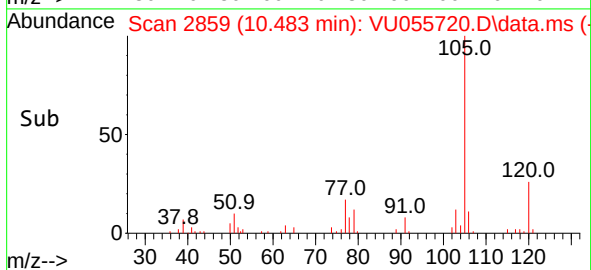
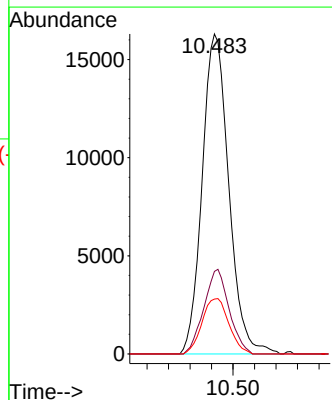
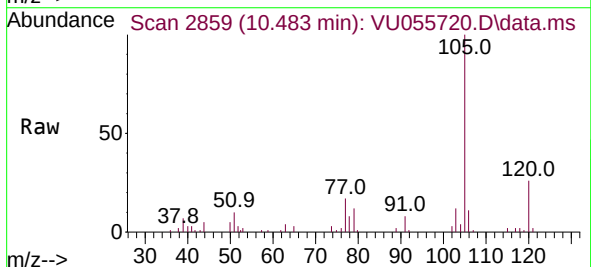
Instrument :
 MSVOA_U
 ClientSampleId :

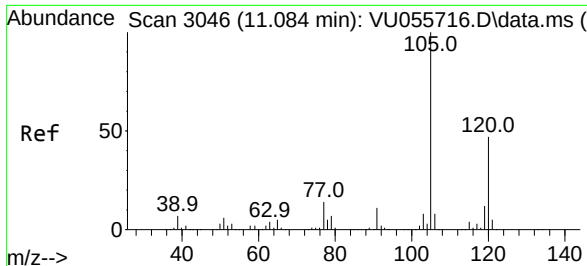
Tgt Ion:	75	Resp:	13611
Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.8	38.8
110	36.2	28.5	42.7



#61
 Isopropylbenzene
 Concen: 2.328 ug/L
 RT: 10.483 min Scan# 2859
 Delta R.T. 0.000 min
 Lab File: VU055720.D
 Acq: 10 Oct 2023 14:46

Tgt Ion:	105	Resp:	28028
Ion	Ratio	Lower	Upper
105	100		
120	25.1	20.6	30.8
77	17.4	13.4	20.0





#62

1,3,5-Trimethylbenzene

Concen: 2.331 ug/L

RT: 11.087 min Scan# 3046

Delta R.T. 0.003 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

Instrument :

MSVOA_U

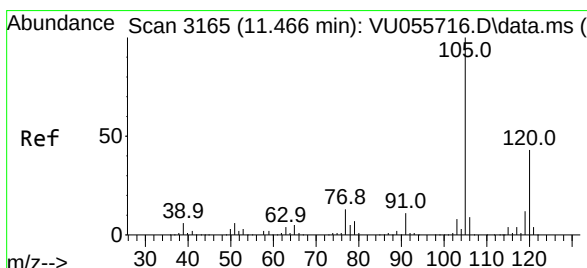
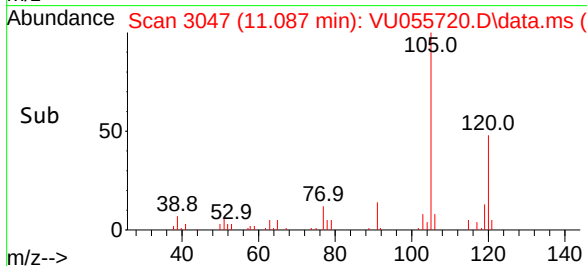
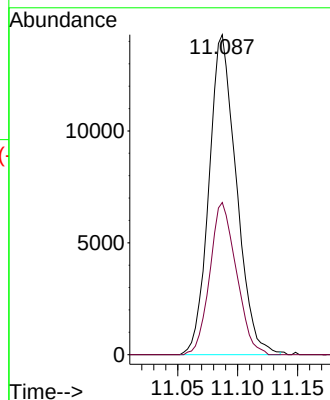
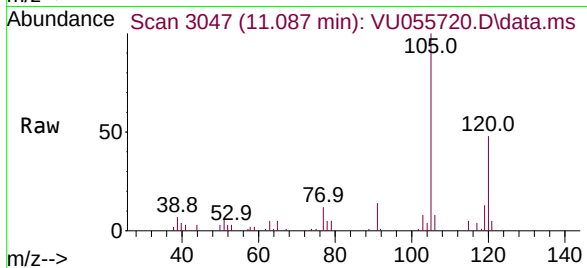
ClientSampleId :

Tgt Ion:105 Resp: 22712

Ion Ratio Lower Upper

105 100

120 45.9 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 2.205 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.000 min

Lab File: VU055720.D

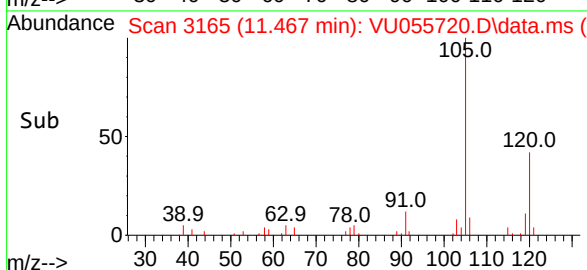
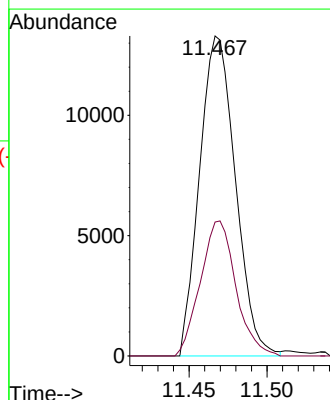
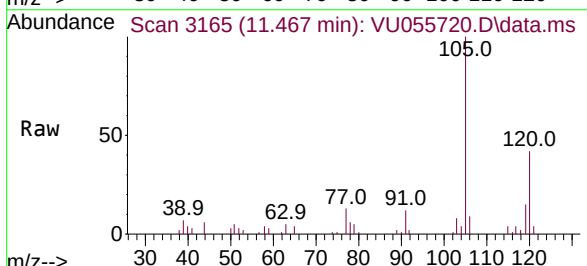
Acq: 10 Oct 2023 14:46

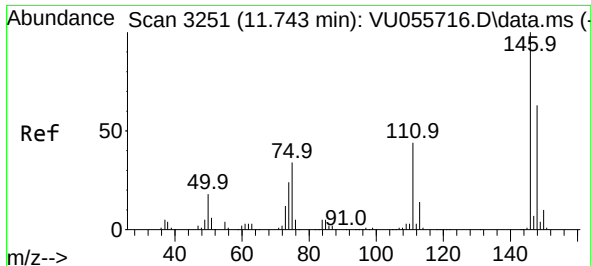
Tgt Ion:105 Resp: 21247

Ion Ratio Lower Upper

105 100

120 41.8 35.0 52.4





#64

1,3-Dichlorobenzene

Concen: 2.684 ug/L

RT: 11.743 min Scan# 3251

Delta R.T. 0.000 min

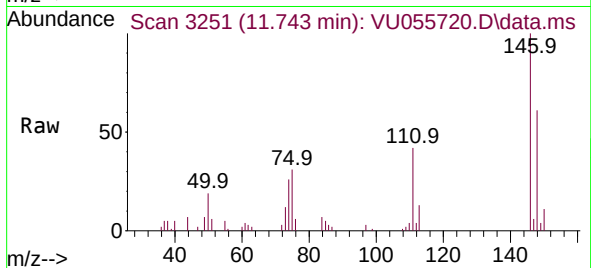
Lab File: VU055720.D

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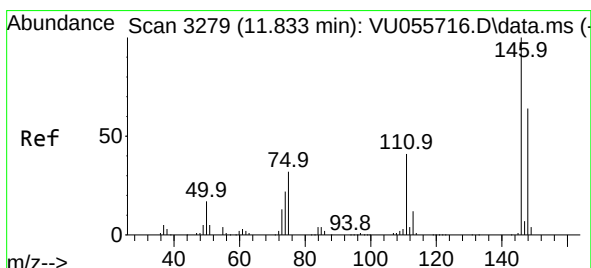
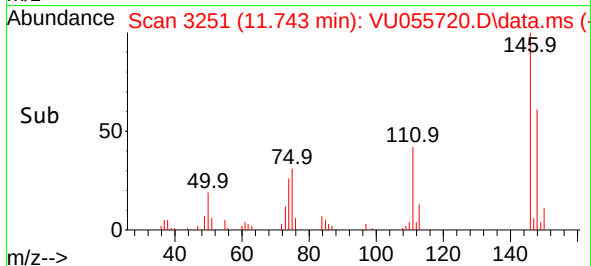
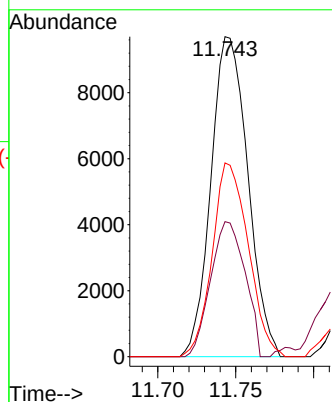
Tgt Ion:146 Resp: 15979

Ion Ratio Lower Upper

146 100

111 42.2 29.7 55.1

148 60.5 45.0 83.6



#65

1,4-Dichlorobenzene

Concen: 2.710 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.000 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

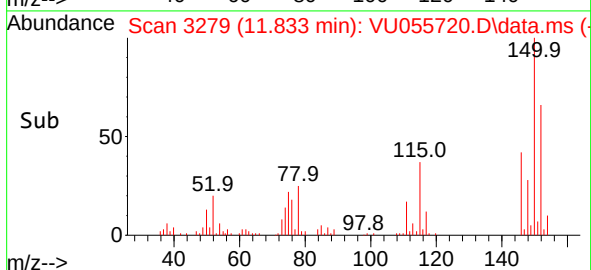
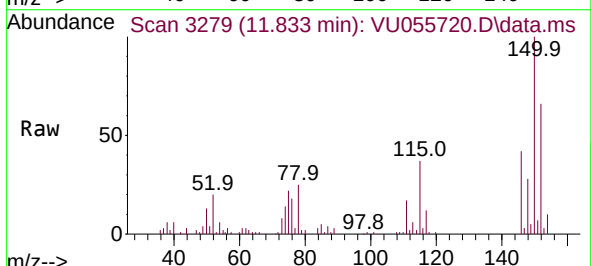
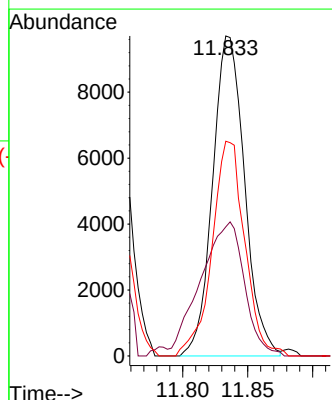
Tgt Ion:146 Resp: 16585

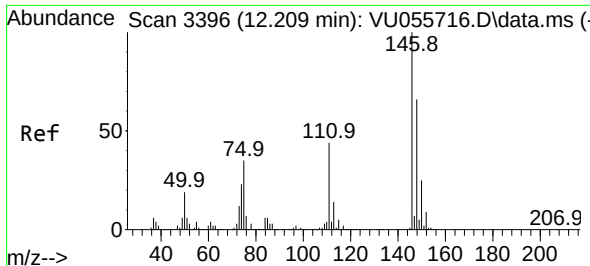
Ion Ratio Lower Upper

146 100

111 38.0 28.6 53.0

148 75.1 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 2.851 ug/L

RT: 12.213 min Scan# 3396

Delta R.T. 0.003 min

Lab File: VU055720.D

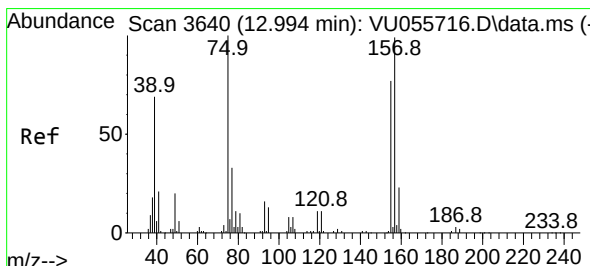
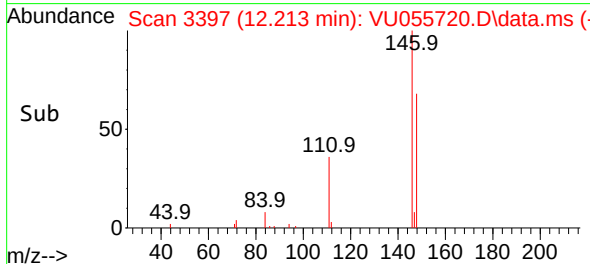
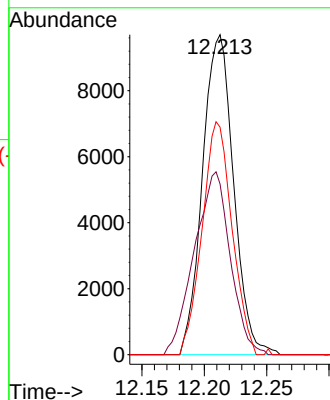
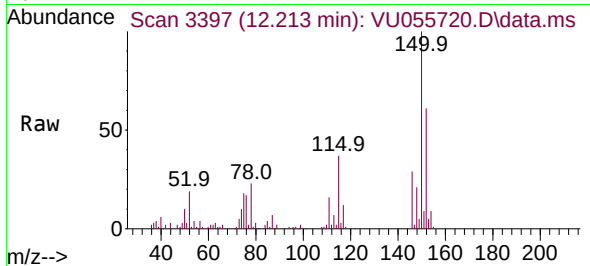
Acq: 10 Oct 2023 14:46

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:146 Resp: 16845
 Ion Ratio Lower Upper
 146 100
 111 53.3 35.2 52.8#
 148 71.1 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 2.500 ug/L

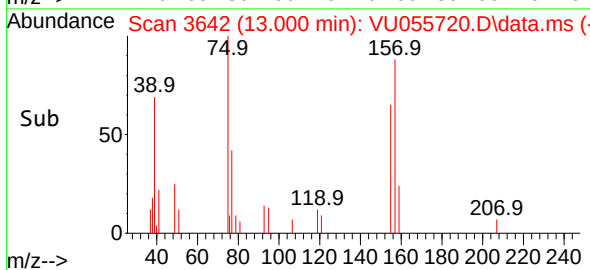
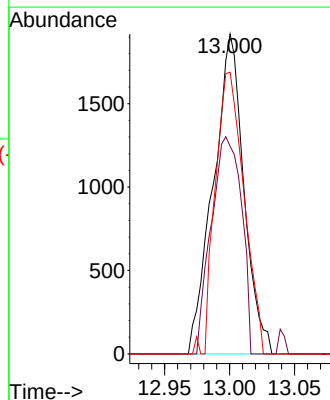
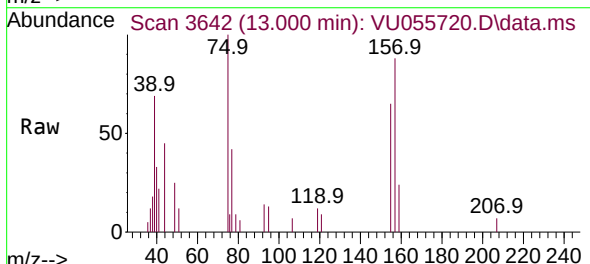
RT: 13.000 min Scan# 3642

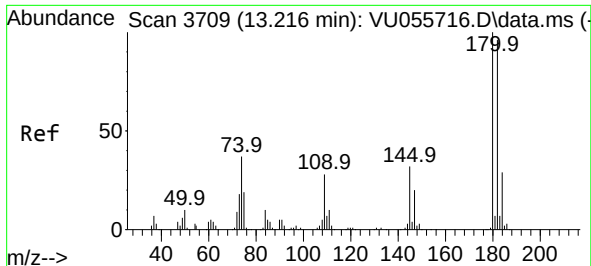
Delta R.T. 0.007 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

Tgt Ion: 75 Resp: 3133
 Ion Ratio Lower Upper
 75 100
 155 59.3 59.6 89.4#
 157 80.4 77.7 116.5





#69

1,3,5-Trichlorobenzene

Concen: 2.555 ug/L

RT: 13.222 min Scan# 3711

Delta R.T. 0.007 min

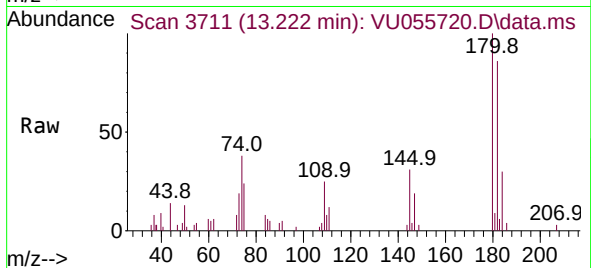
Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 10144

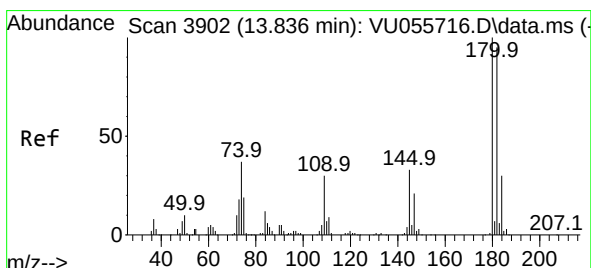
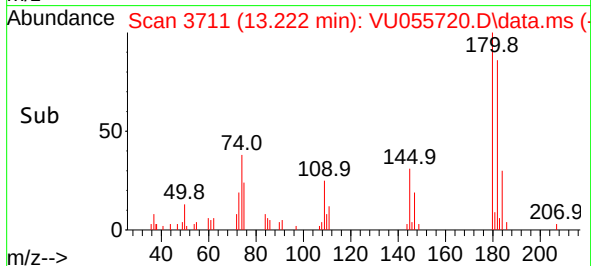
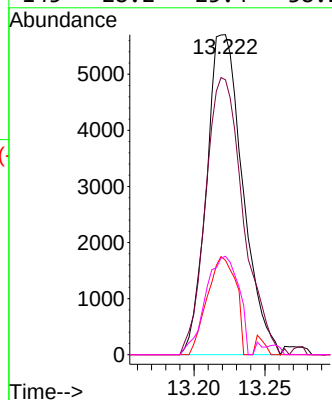
Ion Ratio Lower Upper

180 100

182 89.6 76.2 114.2

184 24.2 23.9 35.9

145 28.2 25.4 38.2



#70

1,2,4-trichlorobenzene

Concen: 2.644 ug/L

RT: 13.843 min Scan# 3904

Delta R.T. 0.007 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

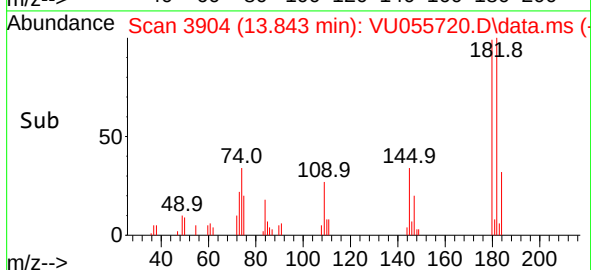
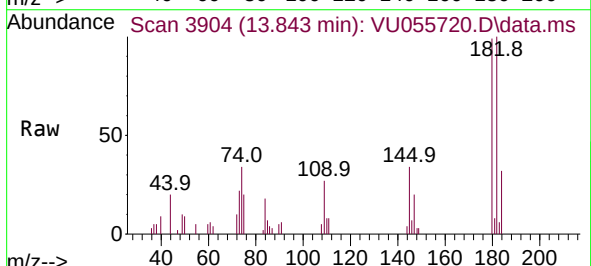
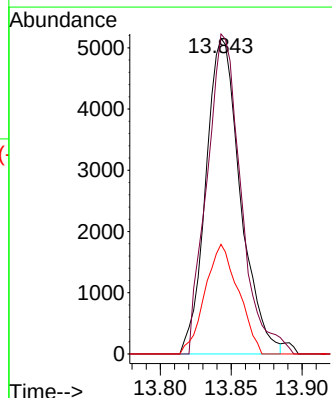
Tgt Ion:180 Resp: 8746

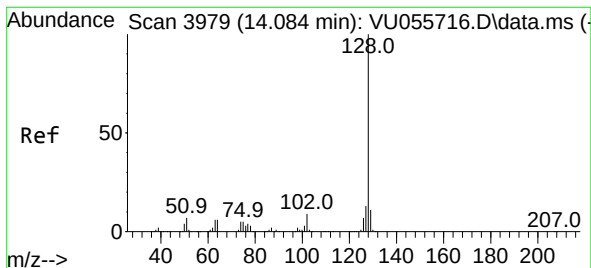
Ion Ratio Lower Upper

180 100

182 99.5 75.4 113.2

145 33.5 26.1 39.1





#71

Naphthalene

Concen: 2.968 ug/L

RT: 14.090 min Scan# 3979

Delta R.T. 0.007 min

Lab File: VU055720.D

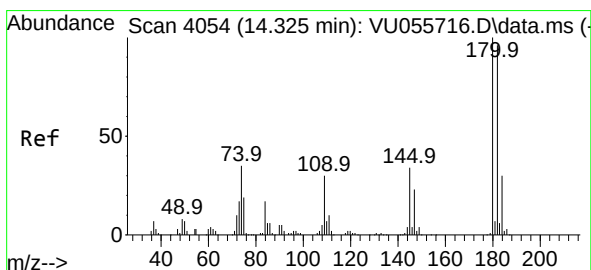
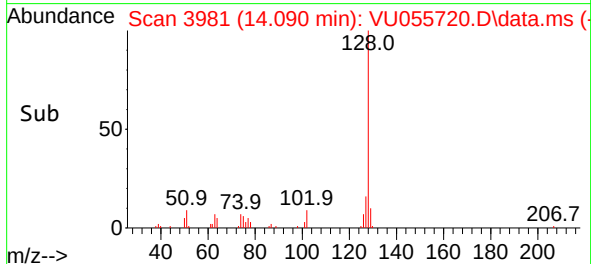
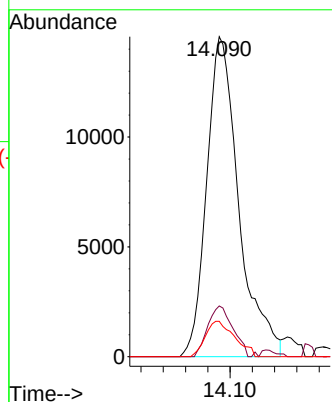
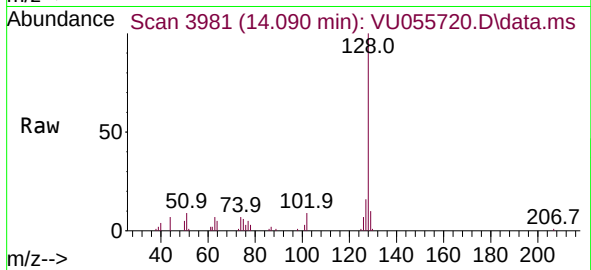
Acq: 10 Oct 2023 14:46

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:128	Resp:	29155
Ion Ratio	Lower	Upper
128	100	
127	12.4	10.6 16.0
129	9.8	8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 2.749 ug/L

RT: 14.331 min Scan# 4056

Delta R.T. 0.007 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

Tgt Ion:180	Resp:	8964
Ion Ratio	Lower	Upper
180	100	
182	89.6	78.1 117.1
145	32.6	27.4 41.0

