

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
 Data File : VU055844.D
 Acq On : 20 Oct 2023 19:51
 Operator : MD/SY
 Sample : 04947-03MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 23 01:10:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 23 01:04:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	512834	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	509891	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	292282	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	163690	35.585	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.180%
7) Chloroethane-d5	1.891	69	146581	38.984	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.960%
11) 1,1-Dichloroethene-d2	2.560	63	330016	40.236	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.480%
21) 2-Butanone-d5	4.615	46	272581	79.972	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	79.970%
24) Chloroform-d	5.055	84	377772	42.839	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.680%
26) 1,2-Dichloroethane-d4	5.695	65	238208	43.886	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.780%
32) Benzene-d6	5.721	84	711183	43.593	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.180%
36) 1,2-Dichloropropane-d6	6.685	67	228415	44.226	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.460%
41) Toluene-d8	7.894	98	645597	43.825	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.660%
43) trans-1,3-Dichloroprop...	8.174	79	107498	43.329	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.660%
47) 2-Hexanone-d5	8.631	63	155765	76.717	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	76.720%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	398208	50.090	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.180%
66) 1,2-Dichlorobenzene-d4	12.190	152	277673	47.873	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.740%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	184337	43.169	ug/L	99
3) Chloromethane	1.518	50	205784	50.931	ug/L	98
5) Vinyl chloride	1.602	62	221355	49.782	ug/L	96
6) Bromomethane	1.830	94	82984	29.193	ug/L	98
8) Chloroethane	1.914	64	140106	48.037	ug/L	99
9) Trichlorofluoromethane	2.126	101	301971	47.532	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	176997	43.321	ug/L	97
12) 1,1-Dichloroethene	2.573	96	174115	47.890	ug/L	90
13) Acetone	2.618	43	193325	61.120	ug/L	98
14) Carbon disulfide	2.785	76	481508	43.520	ug/L	98
15) Methyl Acetate	2.940	43	202668	41.838	ug/L	96
16) Methylene chloride	3.036	84	211394	47.946	ug/L	95
17) trans-1,2-Dichloroethene	3.345	96	180510	48.554	ug/L	97
18) Methyl tert-butyl Ether	3.354	73	638040	53.365	ug/L	99
19) 1,1-Dichloroethane	3.859	63	370745	48.629	ug/L	99
20) cis-1,2-Dichloroethene	4.657	96	215643	50.823	ug/L	99
22) 2-Butanone	4.692	43	310194	81.364	ug/L	99
23) Bromochloromethane	4.968	128	111087	50.553	ug/L	94
25) Chloroform	5.081	83	393443	49.400	ug/L	98

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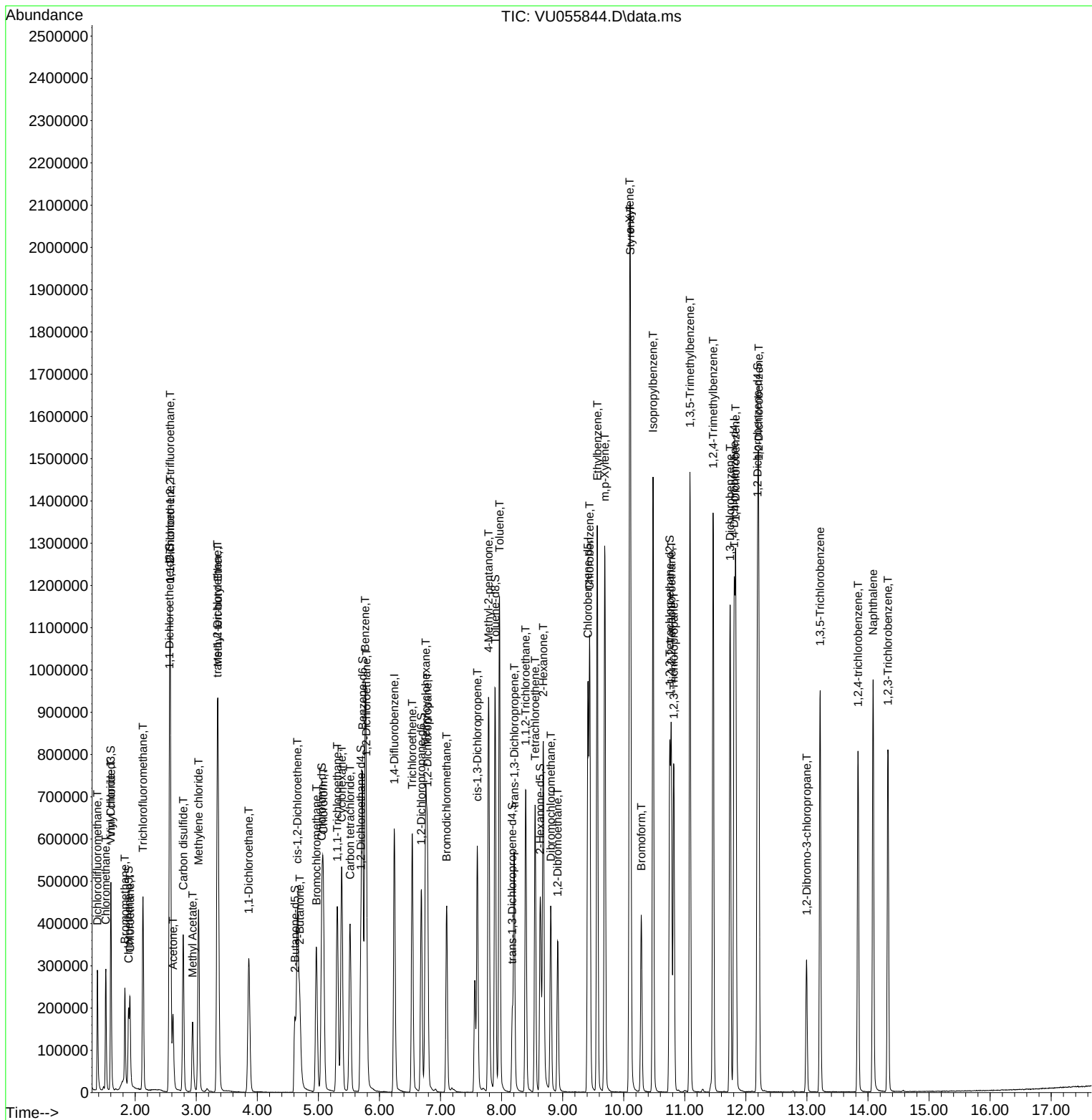
Instrument :
 MSVOA_U
 ClientSampleId :

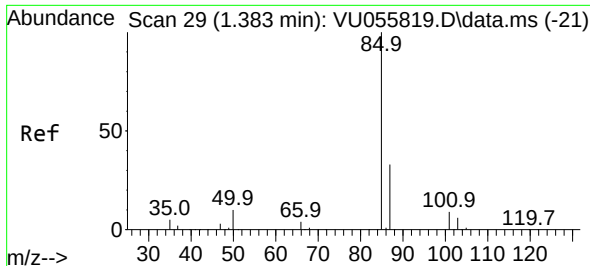
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	313569	49.226	ug/L	100
29) Cyclohexane	5.380	56	269707	46.148	ug/L	99
30) 1,1,1-Trichloroethane	5.309	97	329521	50.022	ug/L	98
31) Carbon tetrachloride	5.518	117	277396	48.108	ug/L	97
33) Benzene	5.766	78	824057	51.127	ug/L	100
34) Trichloroethene	6.538	95	219415	49.752	ug/L	98
35) Methylcyclohexane	6.756	83	272472	42.582	ug/L	98
37) 1,2-Dichloropropane	6.785	63	220111	49.593	ug/L	99
38) Bromodichloromethane	7.100	83	290706	49.668	ug/L	96
39) cis-1,3-Dichloropropene	7.602	75	349371	51.741	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	635751	102.964	ug/L	97
42) Toluene	7.965	91	869834	51.144	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	326738	50.573	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	223387	51.043	ug/L	98
46) Tetrachloroethene	8.547	164	149054	47.205	ug/L	98
48) 2-Hexanone	8.682	43	542608	104.039	ug/L	96
49) Dibromochloromethane	8.804	129	229920	51.417	ug/L	99
50) 1,2-Dibromoethane	8.917	107	238126	50.658	ug/L	100
51) Chlorobenzene	9.441	112	558333	50.739	ug/L	100
52) Ethylbenzene	9.566	91	949777	51.080	ug/L	99
53) m,p-Xylene	9.689	106	364123	52.271	ug/L	96
54) o-Xylene	10.097	106	370696	54.992	ug/L	96
55) Styrene	10.110	104	653666	57.241	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.778	83	411129	54.863	ug/L	99
59) Bromoform	10.287	173	189106	52.558	ug/L	97
60) 1,2,3-Trichloropropane	10.817	75	334477	52.728	ug/L	98
61) Isopropylbenzene	10.479	105	947006	51.973	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	801523	54.363	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	760748	52.181	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	466489	51.789	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	464388	50.145	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	471173	52.711	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	82931	43.730	ug/L	97
69) 1,3,5-Trichlorobenzene	13.216	180	284597	47.368	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	241537	48.264	ug/L	100
71) Naphthalene	14.084	128	786442	52.901	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	244840	49.621	ug/L	99

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

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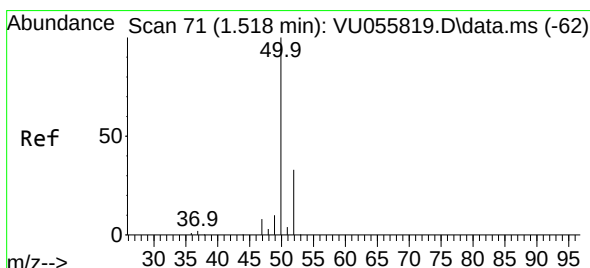
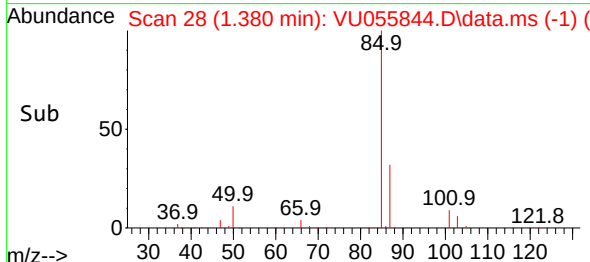
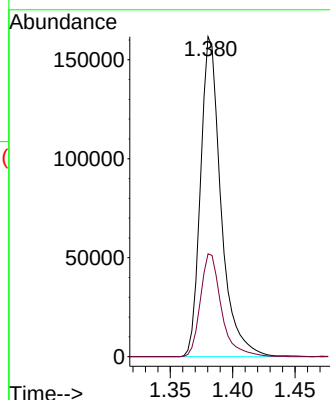
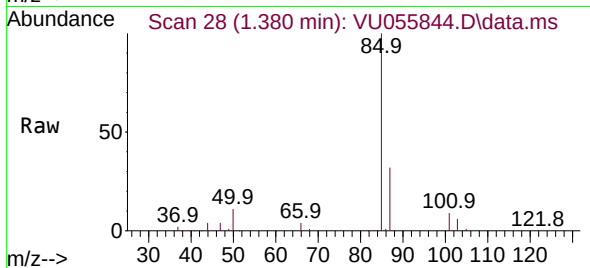




#2
 Dichlorodifluoromethane
 Concen: 43.169 ug/L
 RT: 1.380 min Scan# 29
 Delta R.T. -0.003 min
 Lab File: VU055844.D
 Acq: 20 Oct 2023 19:51

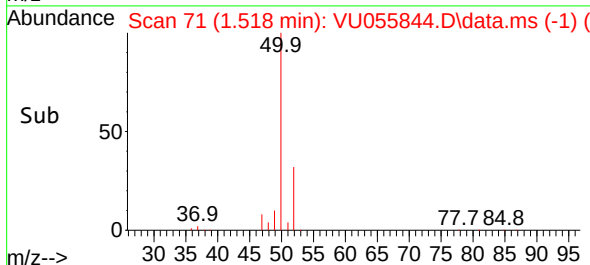
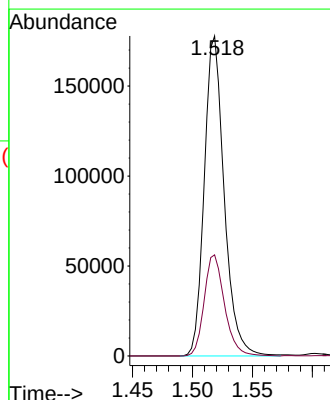
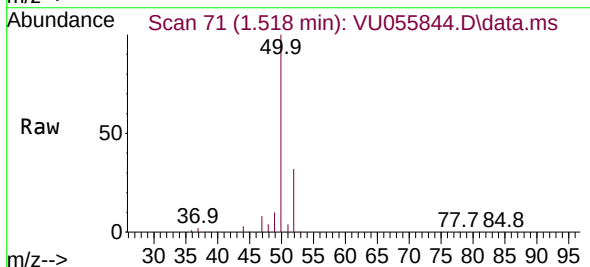
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 ClientSampleId :

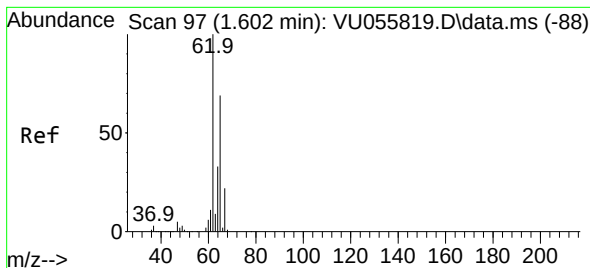
Tgt Ion: 85 Resp: 184337
 Ion Ratio Lower Upper
 85 100
 87 33.0 26.0 39.0



#3
 Chloromethane
 Concen: 50.931 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU055844.D
 Acq: 20 Oct 2023 19:51

Tgt Ion: 50 Resp: 205784
 Ion Ratio Lower Upper
 50 100
 52 31.6 22.8 42.4





#5

Vinyl chloride

Concen: 49.782 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU055844.D

Acq: 20 Oct 2023 19:51

Instrument :

MSVOA_U

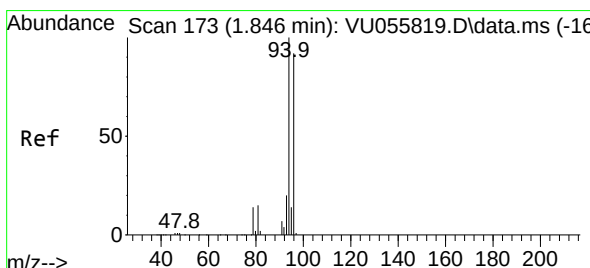
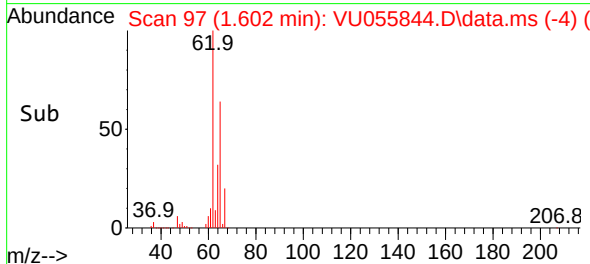
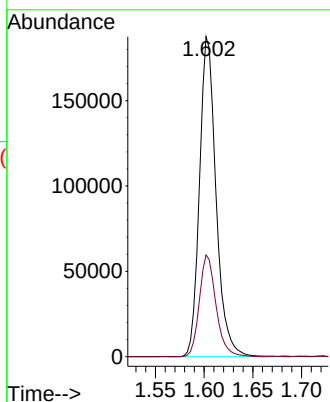
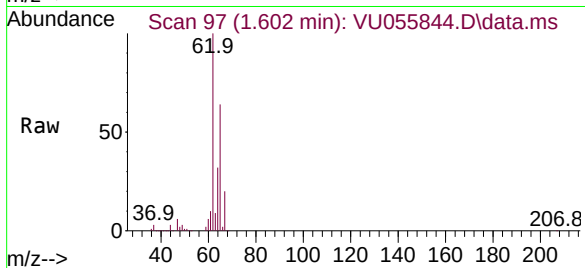
ClientSampleId :

Tgt Ion: 62 Resp: 221355

Ion Ratio Lower Upper

62 100

64 31.8 23.9 44.5



#6

Bromomethane

Concen: 29.193 ug/L

RT: 1.830 min Scan# 168

Delta R.T. -0.016 min

Lab File: VU055844.D

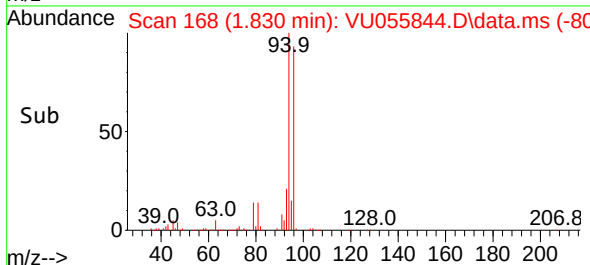
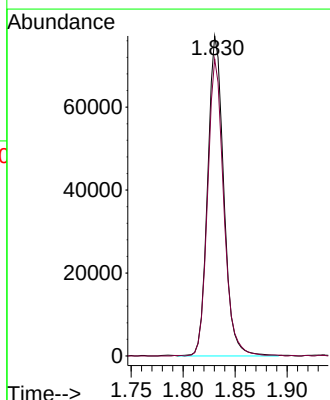
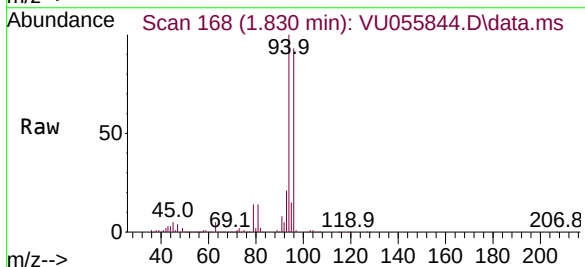
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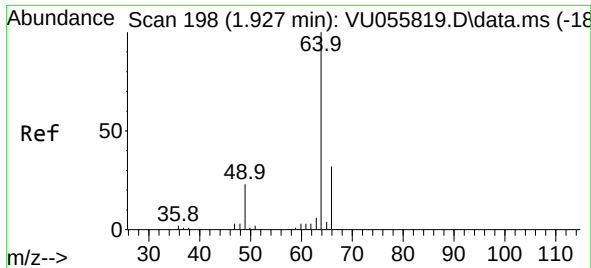
Tgt Ion: 94 Resp: 82984

Ion Ratio Lower Upper

94 100

96 92.8 63.5 117.9

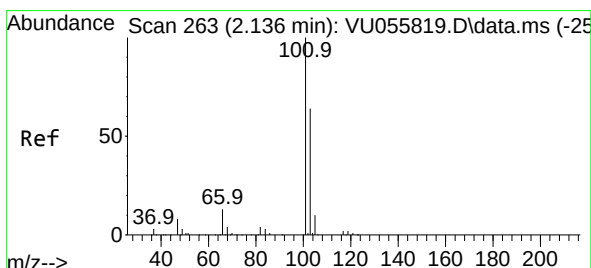
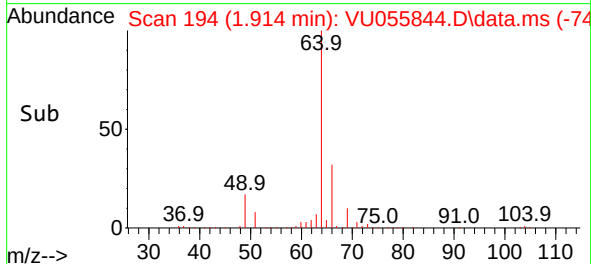
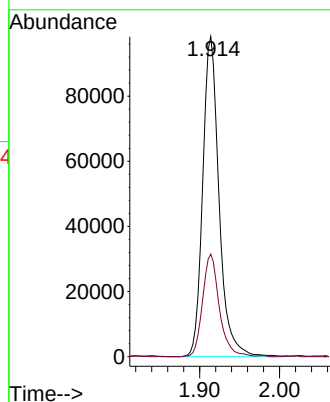
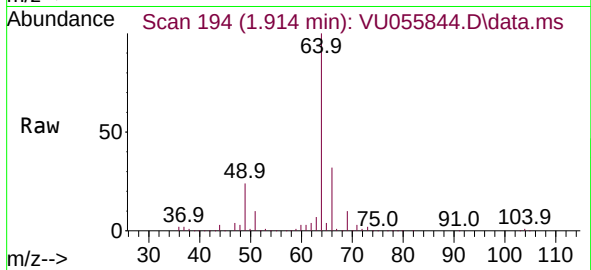




#8
Chloroethane
Concen: 48.037 ug/L
RT: 1.914 min Scan# 19
Delta R.T. -0.013 min
Lab File: VU055844.D
Acq: 20 Oct 2023 19:51

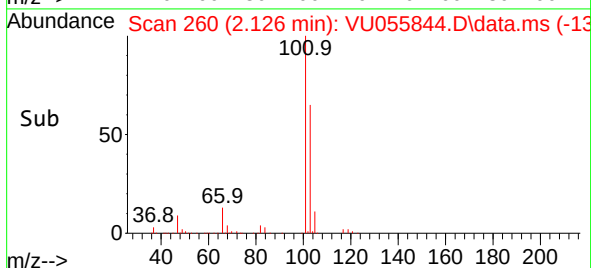
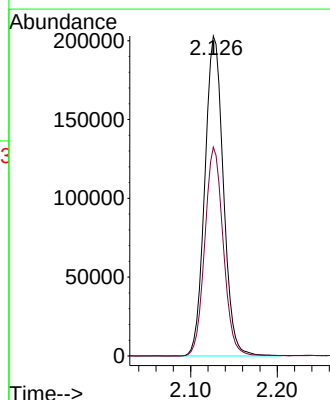
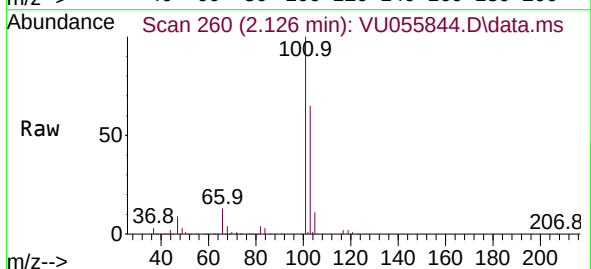
Instrument :
MSVOA_U
ClientSampleId :

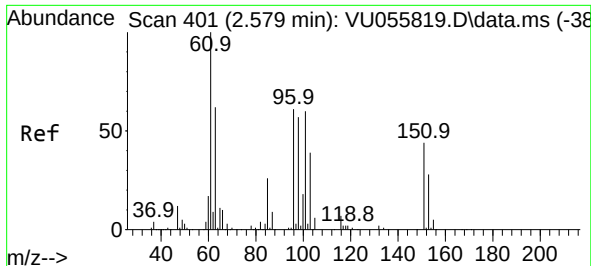
Tgt Ion: 64 Resp: 140106
Ion Ratio Lower Upper
64 100
66 32.0 22.9 42.5



#9
Trichlorofluoromethane
Concen: 47.532 ug/L
RT: 2.126 min Scan# 260
Delta R.T. -0.010 min
Lab File: VU055844.D
Acq: 20 Oct 2023 19:51

Tgt Ion:101 Resp: 301971
Ion Ratio Lower Upper
101 100
103 65.0 51.3 76.9

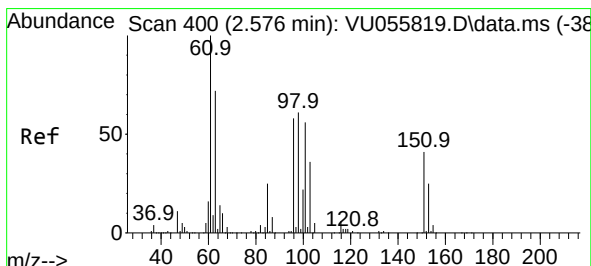
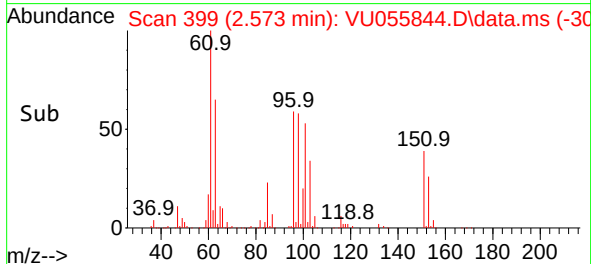
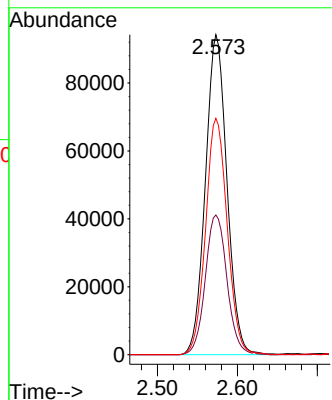
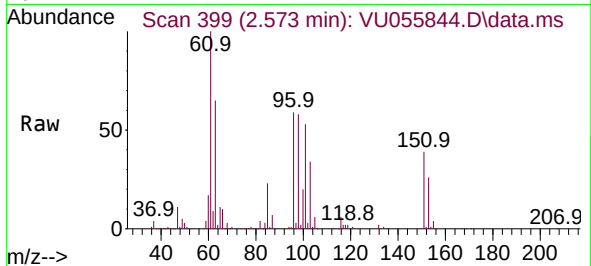




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 43.321 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.006 min
 Lab File: VU055844.D
 Acq: 20 Oct 2023 19:51

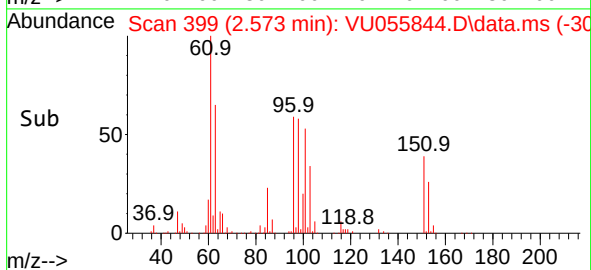
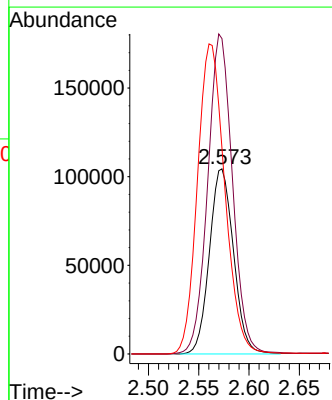
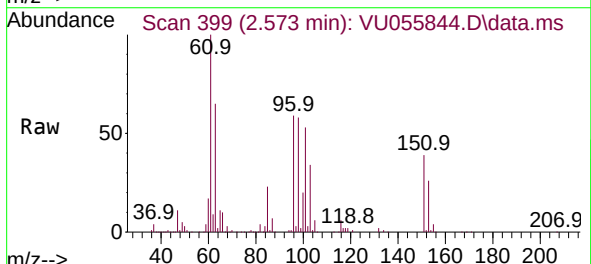
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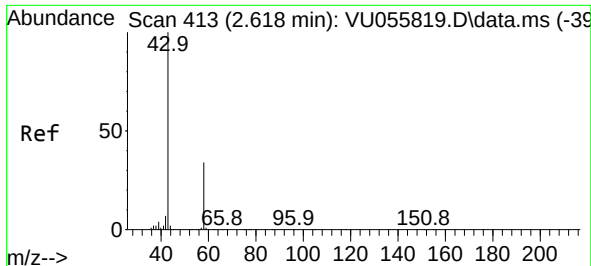
Tgt Ion:101 Resp: 176997
 Ion Ratio Lower Upper
 101 100
 85 43.8 37.1 55.7
 151 74.2 58.2 87.4



#12
 1,1-Dichloroethene
 Concen: 47.890 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.003 min
 Lab File: VU055844.D
 Acq: 20 Oct 2023 19:51

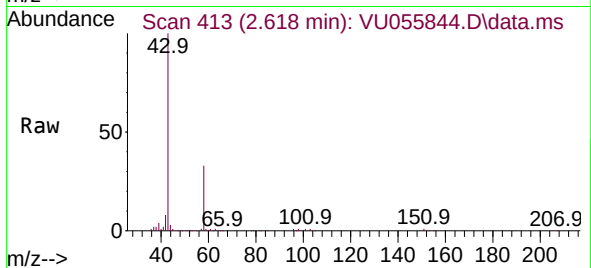
Tgt Ion: 96 Resp: 174115
 Ion Ratio Lower Upper
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 61 170.4 122.0 226.6
 63 111.3 93.7 174.1



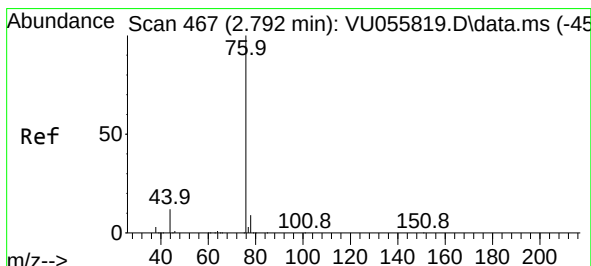
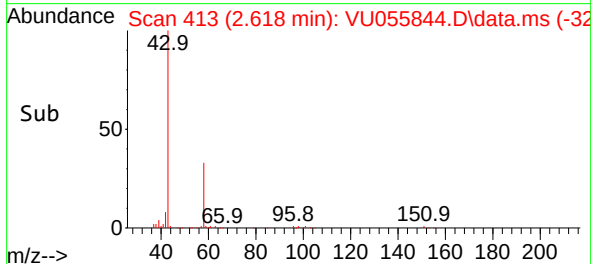
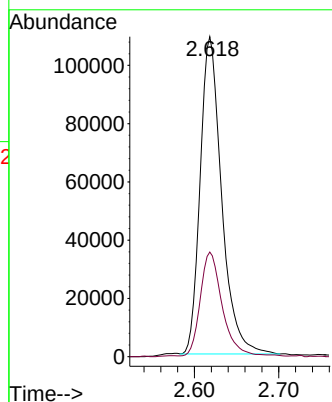


#13
Acetone
Concen: 61.120 ug/L
RT: 2.618 min Scan# 413
Delta R.T. 0.000 min
Lab File: VU055844.D
Acq: 20 Oct 2023 19:51

Instrument :
MSVOA_U
ClientSampleId :

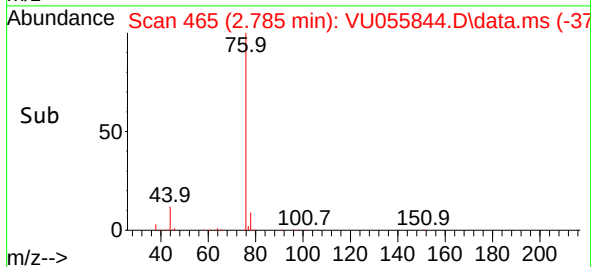
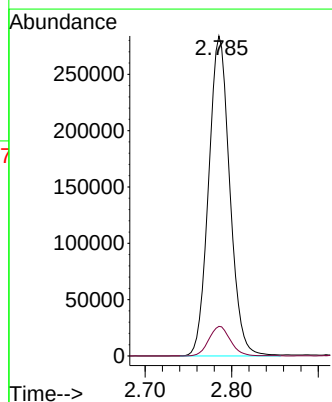
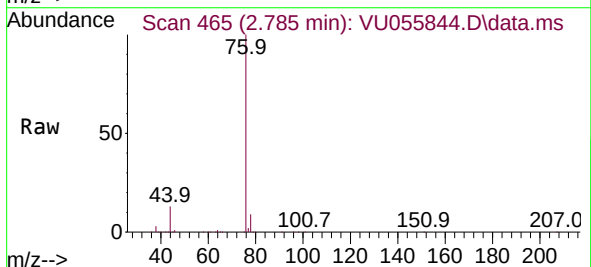


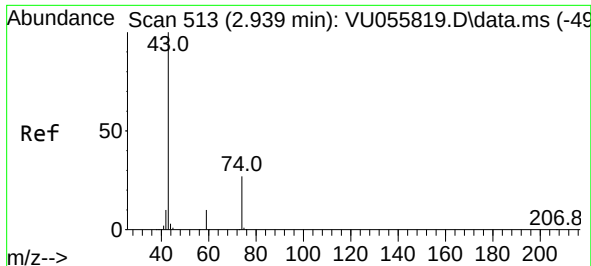
Tgt Ion: 43 Resp: 193325
Ion Ratio Lower Upper
43 100
58 32.8 0.0 67.4



#14
Carbon disulfide
Concen: 43.520 ug/L
RT: 2.785 min Scan# 465
Delta R.T. -0.006 min
Lab File: VU055844.D
Acq: 20 Oct 2023 19:51

Tgt Ion: 76 Resp: 481508
Ion Ratio Lower Upper
76 100
78 9.3 6.8 10.2

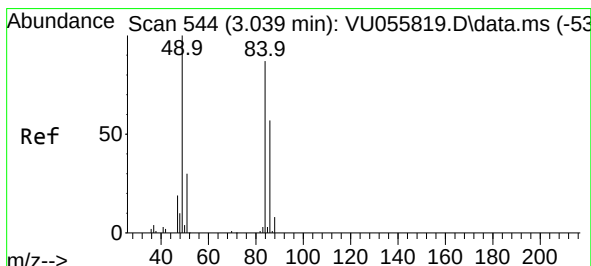
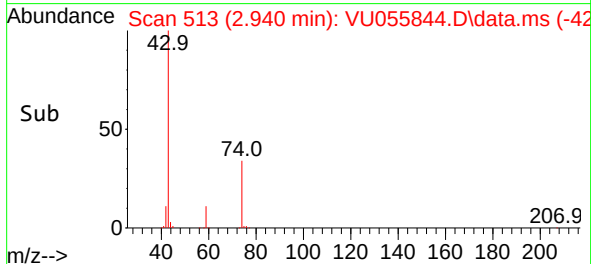
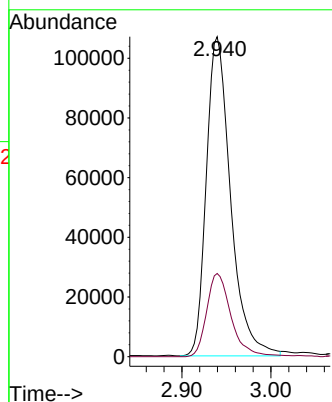
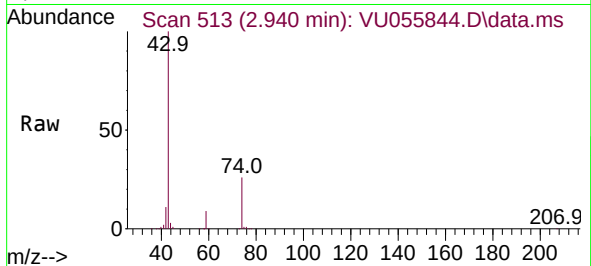




#15
Methyl Acetate
Concen: 41.838 ug/L
RT: 2.940 min Scan# 513
Delta R.T. 0.000 min
Lab File: VU055844.D
Acq: 20 Oct 2023 19:51

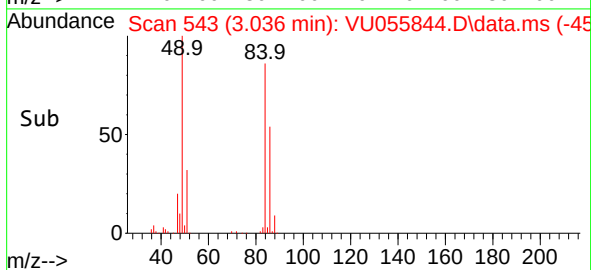
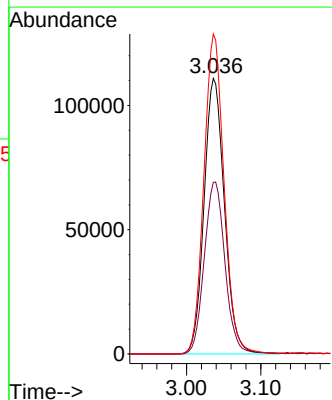
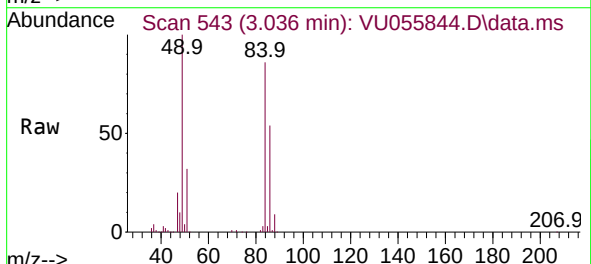
Instrument :
MSVOA_U
ClientSampleId :

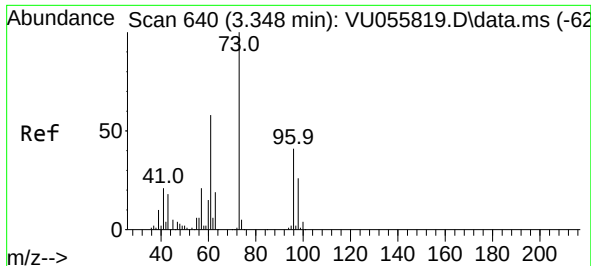
Tgt Ion: 43 Resp: 202668
Ion Ratio Lower Upper
43 100
74 26.2 19.5 29.3



#16
Methylene chloride
Concen: 47.946 ug/L
RT: 3.036 min Scan# 543
Delta R.T. -0.003 min
Lab File: VU055844.D
Acq: 20 Oct 2023 19:51

Tgt Ion: 84 Resp: 211394
Ion Ratio Lower Upper
84 100
86 62.3 46.3 86.1
49 116.1 84.8 157.6

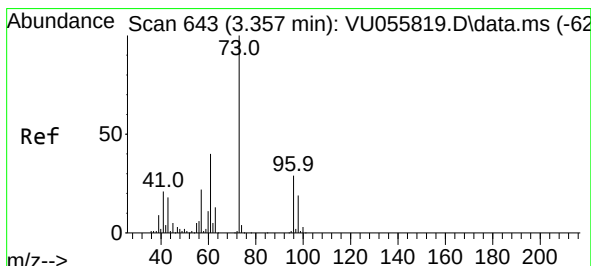
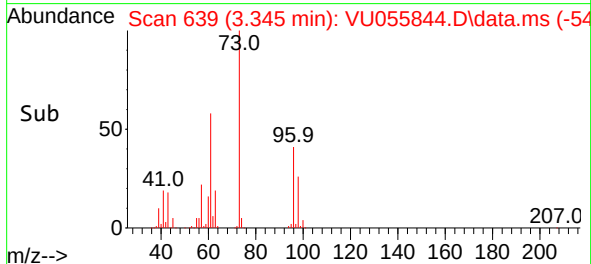
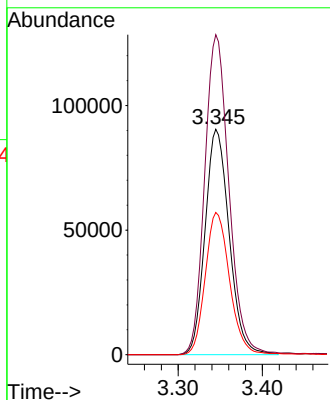
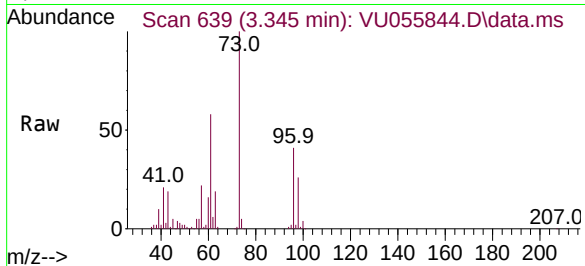




#17
trans-1,2-Dichloroethene
Concen: 48.554 ug/L
RT: 3.345 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU055844.D
Acq: 20 Oct 2023 19:51

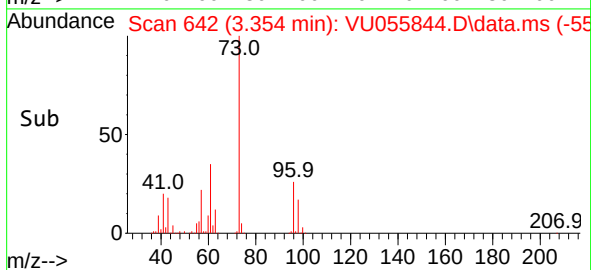
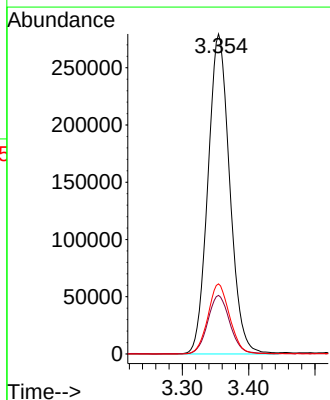
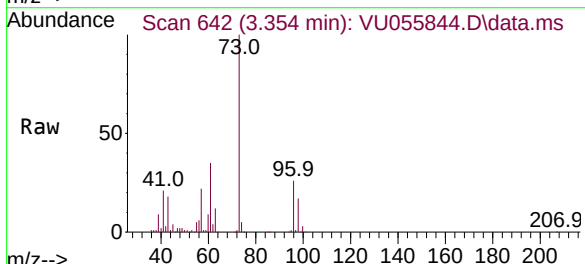
Instrument :
MSVOA_U
ClientSampleId :

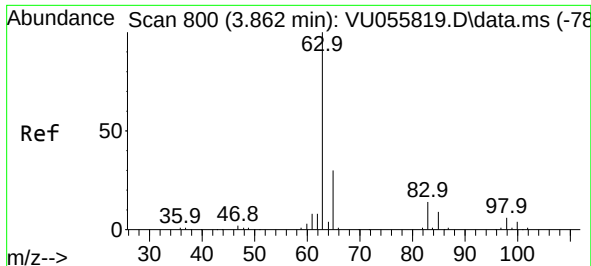
Tgt Ion: 96 Resp: 180510
Ion Ratio Lower Upper
96 100
61 141.9 102.1 189.7
98 63.1 46.3 86.1



#18
Methyl tert-butyl Ether
Concen: 53.365 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.003 min
Lab File: VU055844.D
Acq: 20 Oct 2023 19:51

Tgt Ion: 73 Resp: 638040
Ion Ratio Lower Upper
73 100
43 18.5 15.4 23.2
57 21.7 17.7 26.5





#19

1,1-Dichloroethane

Concen: 48.629 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.003 min

Lab File: VU055844.D

Acq: 20 Oct 2023 19:51

Instrument :

MSVOA_U

ClientSampleId :

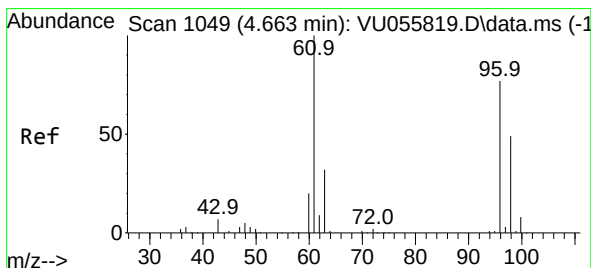
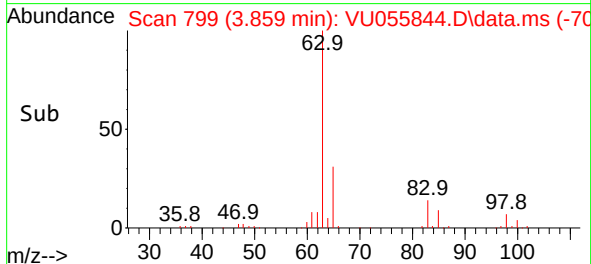
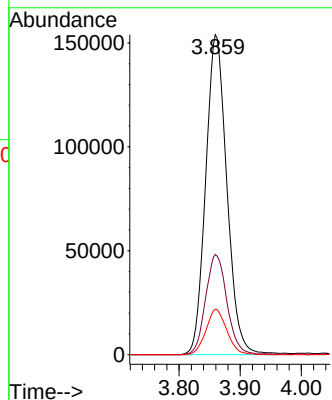
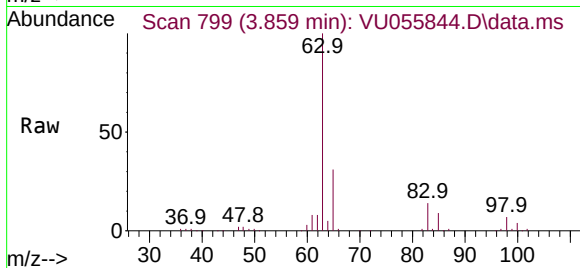
Tgt Ion: 63 Resp: 370745

Ion Ratio Lower Upper

63 100

65 31.3 22.3 41.5

83 14.2 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 50.823 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. -0.006 min

Lab File: VU055844.D

Acq: 20 Oct 2023 19:51

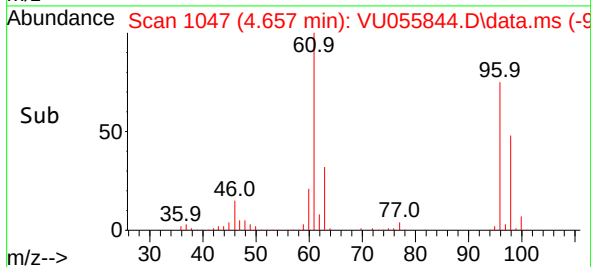
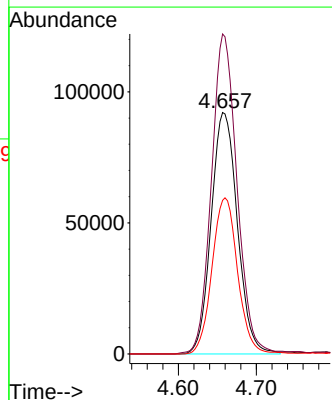
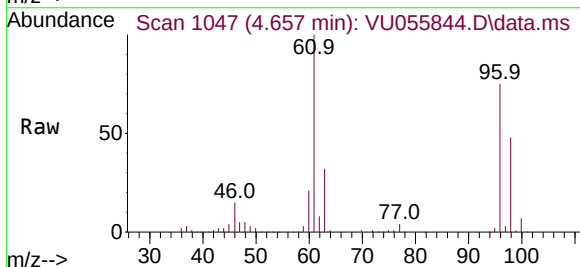
Tgt Ion: 96 Resp: 215643

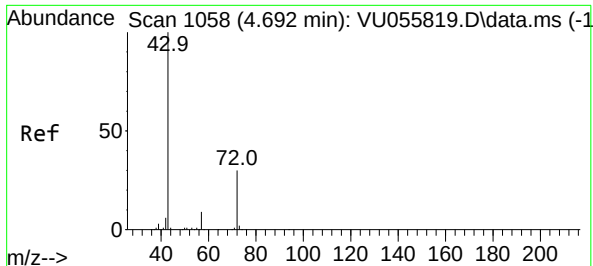
Ion Ratio Lower Upper

96 100

61 132.5 92.3 171.5

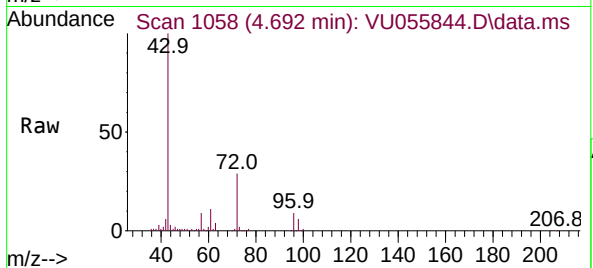
98 63.6 43.9 81.5



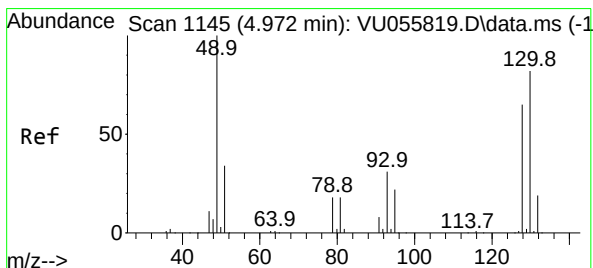
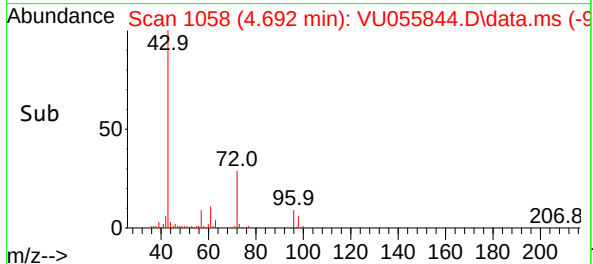
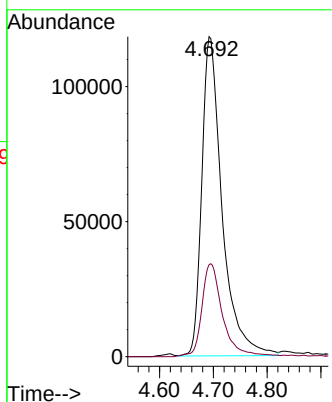


#22
2-Butanone
Concen: 81.364 ug/L
RT: 4.692 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VU055844.D
Acq: 20 Oct 2023 19:51

Instrument :
MSVOA_U
ClientSampleId :

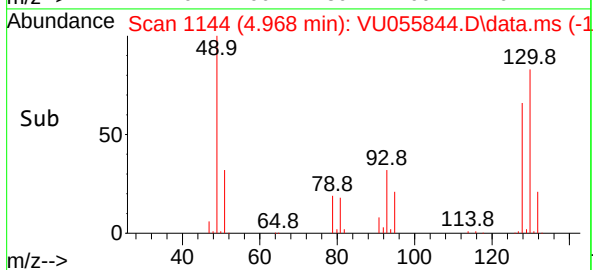
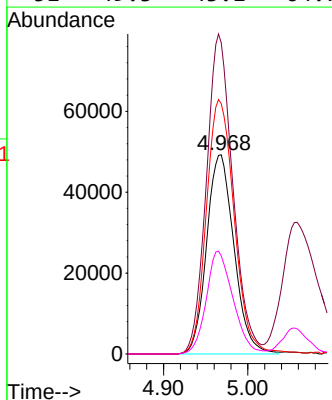
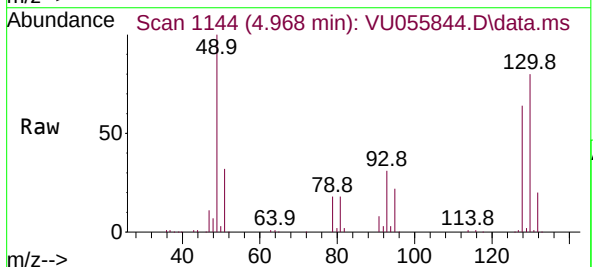


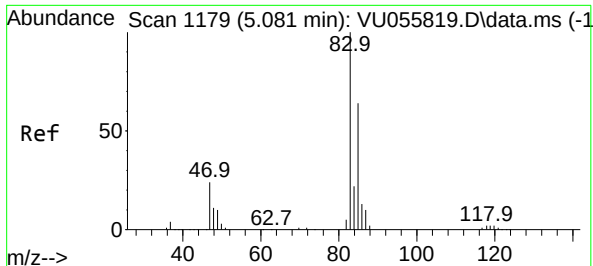
Tgt Ion: 43 Resp: 310194
Ion Ratio Lower Upper
43 100
72 29.6 14.6 44.0



#23
Bromochloromethane
Concen: 50.553 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. -0.003 min
Lab File: VU055844.D
Acq: 20 Oct 2023 19:51

Tgt Ion: 128 Resp: 111087
Ion Ratio Lower Upper
128 100
49 156.2 116.3 216.1
130 125.6 91.6 170.0
51 49.3 43.1 64.7





#25

Chloroform

Concen: 49.400 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VU055844.D

Acq: 20 Oct 2023 19:51

Instrument :

MSVOA_U

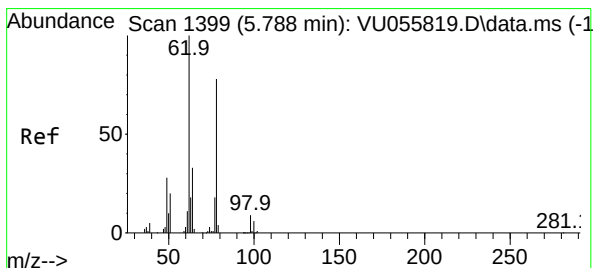
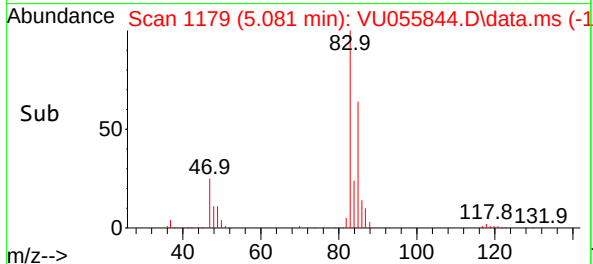
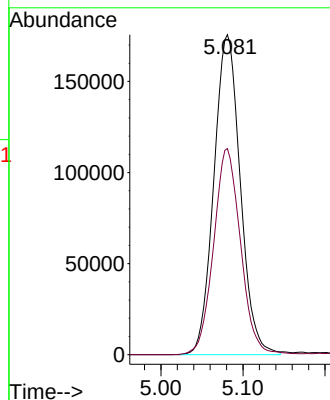
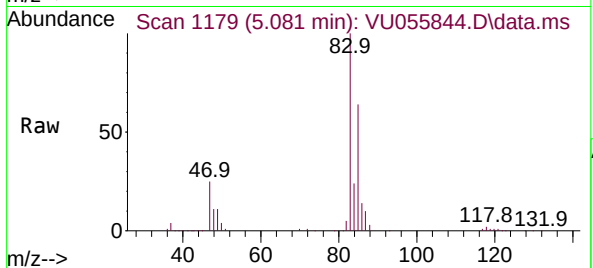
ClientSampleId :

Tgt Ion: 83 Resp: 393443

Ion Ratio Lower Upper

83 100

85 64.4 46.3 86.1



#27

1,2-Dichloroethane

Concen: 49.226 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.003 min

Lab File: VU055844.D

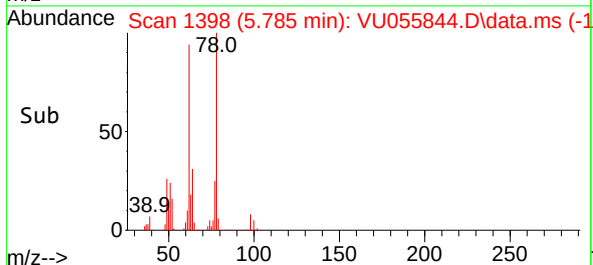
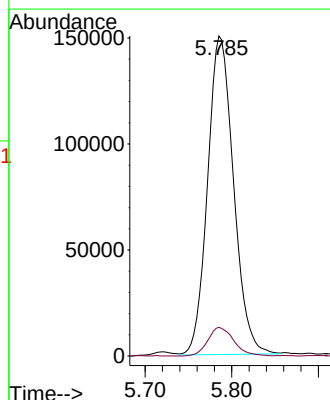
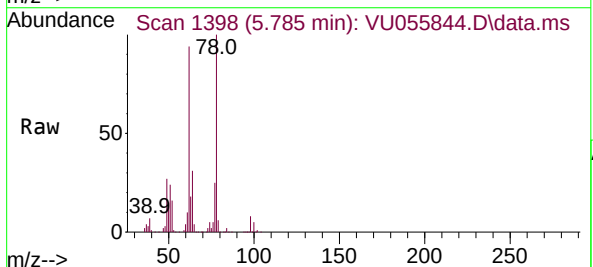
Acq: 20 Oct 2023 19:51

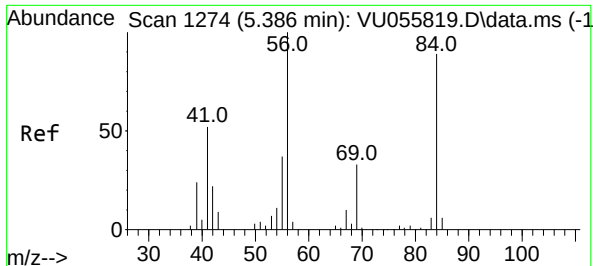
Tgt Ion: 62 Resp: 313569

Ion Ratio Lower Upper

62 100

98 8.9 7.2 10.8





#29

Cyclohexane

Concen: 46.148 ug/L

RT: 5.380 min Scan# 1274

Delta R.T. -0.006 min

Lab File: VU055844.D

Acq: 20 Oct 2023 19:51

Instrument :

MSVOA_U

ClientSampleId :

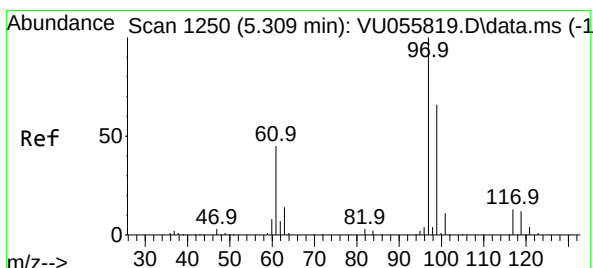
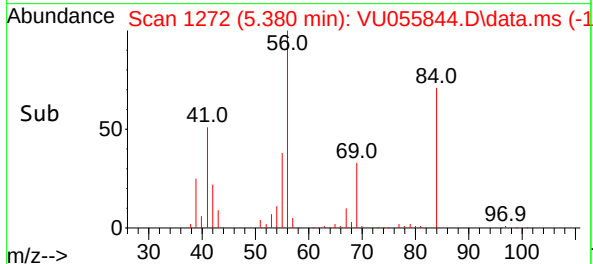
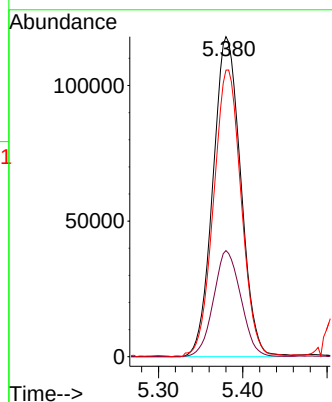
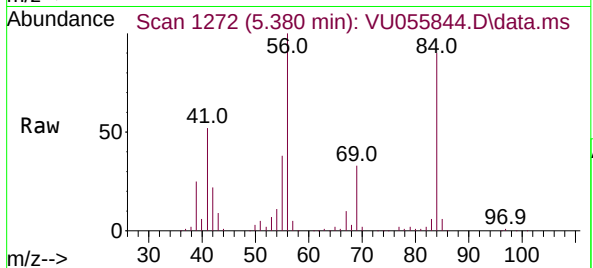
Tgt Ion: 56 Resp: 269707

Ion Ratio Lower Upper

56 100

69 32.6 24.9 37.3

84 89.1 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 50.022 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. 0.000 min

Lab File: VU055844.D

Acq: 20 Oct 2023 19:51

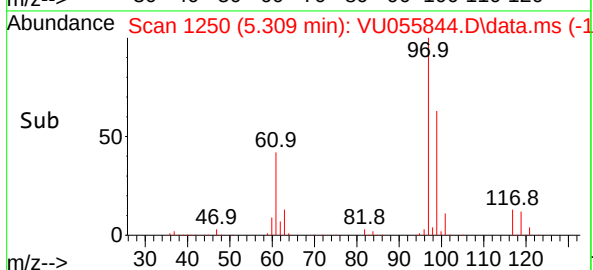
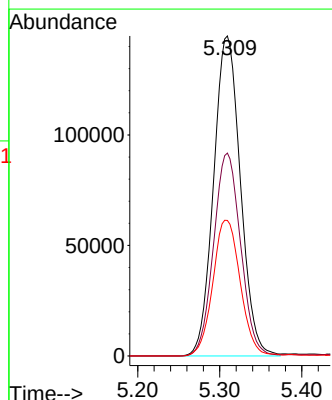
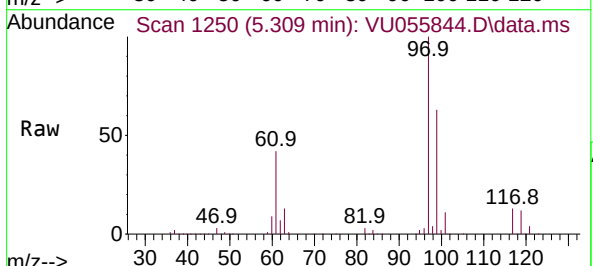
Tgt Ion: 97 Resp: 329521

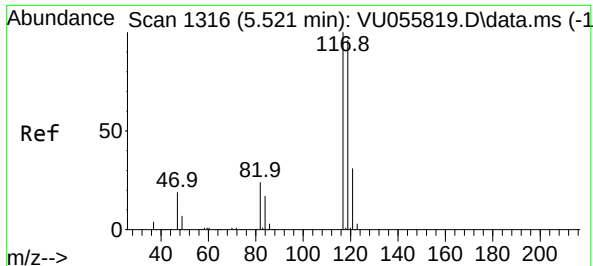
Ion Ratio Lower Upper

97 100

99 63.8 51.6 77.4

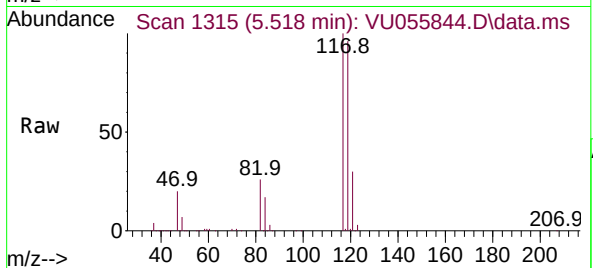
61 43.4 36.8 55.2



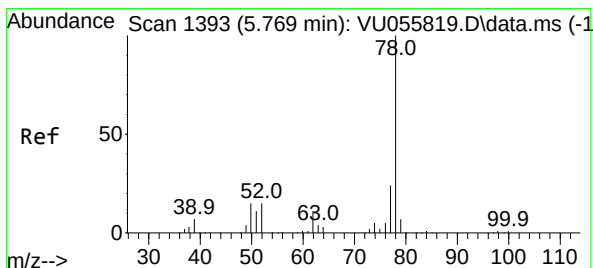
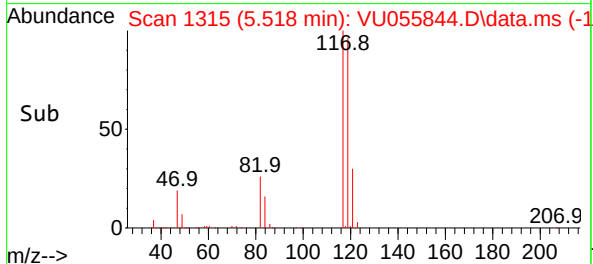
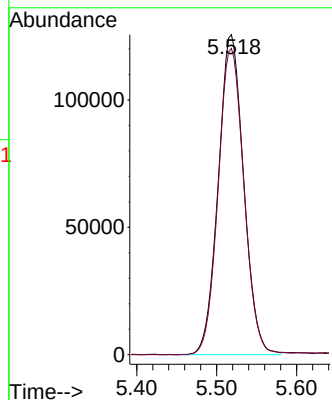


#31
Carbon tetrachloride
Concen: 48.108 ug/L
RT: 5.518 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU055844.D
Acq: 20 Oct 2023 19:51

Instrument :
MSVOA_U
ClientSampleId :

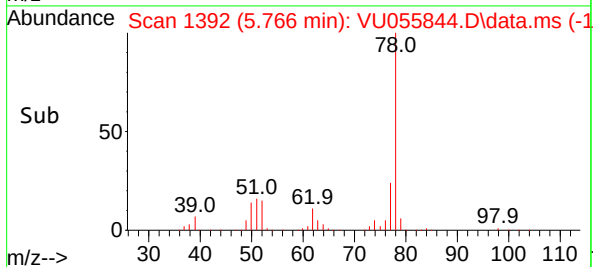
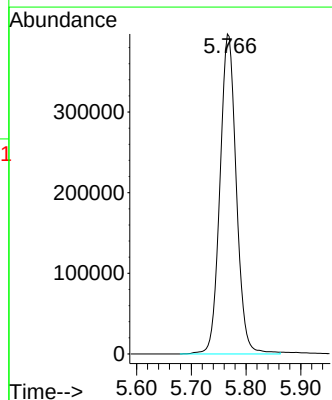
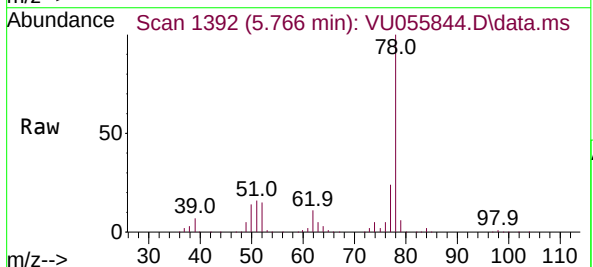


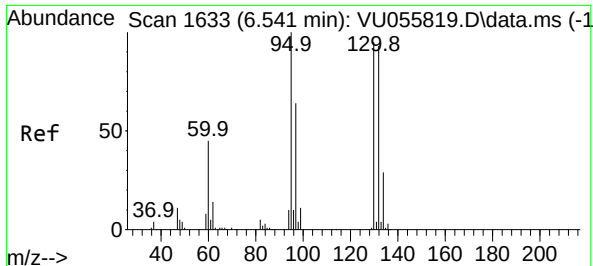
Tgt Ion:117 Resp: 277396
Ion Ratio Lower Upper
117 100
119 96.8 75.4 113.0



#33
Benzene
Concen: 51.127 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.003 min
Lab File: VU055844.D
Acq: 20 Oct 2023 19:51

Tgt Ion: 78 Resp: 824057





#34

Trichloroethene

Concen: 49.752 ug/L

RT: 6.538 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU055844.D

Acq: 20 Oct 2023 19:51

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 219415

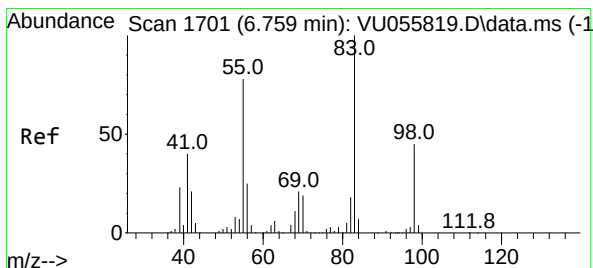
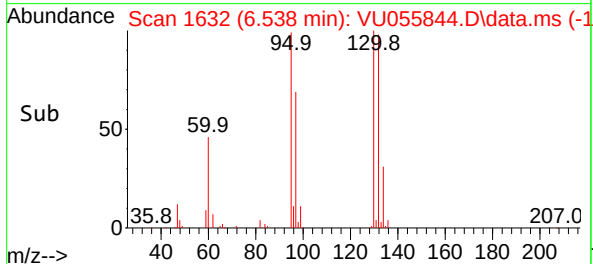
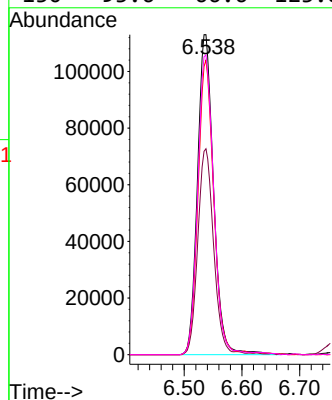
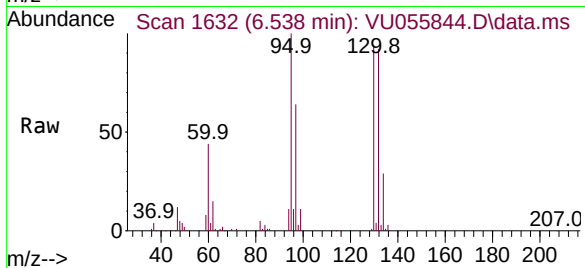
Ion Ratio Lower Upper

95 100

97 64.4 44.4 82.5

132 92.0 61.8 114.8

130 93.6 66.6 123.8



#35

Methylcyclohexane

Concen: 42.582 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. -0.003 min

Lab File: VU055844.D

Acq: 20 Oct 2023 19:51

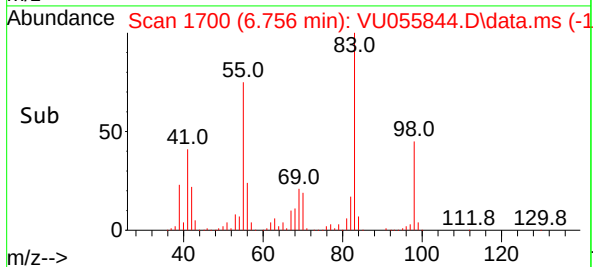
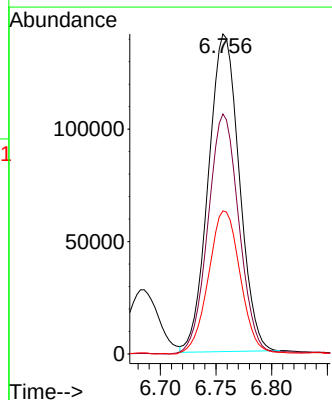
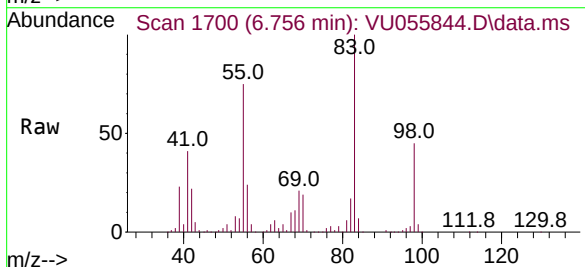
Tgt Ion: 83 Resp: 272472

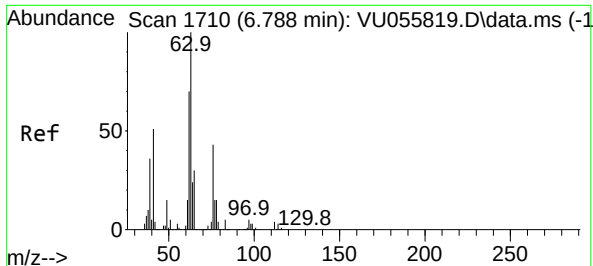
Ion Ratio Lower Upper

83 100

55 75.8 61.2 91.8

98 46.6 35.8 53.6





#37

1,2-Dichloropropane

Concen: 49.593 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU055844.D

Acq: 20 Oct 2023 19:51

Instrument :

MSVOA_U

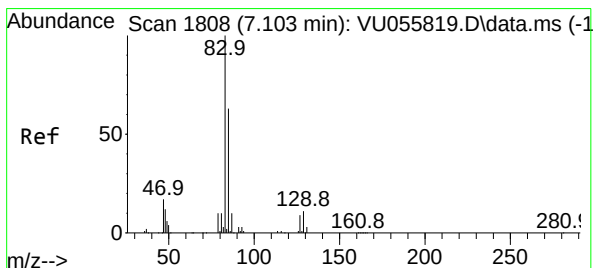
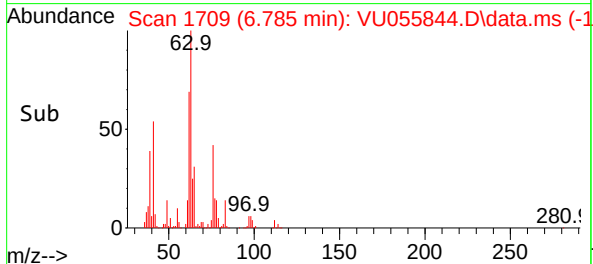
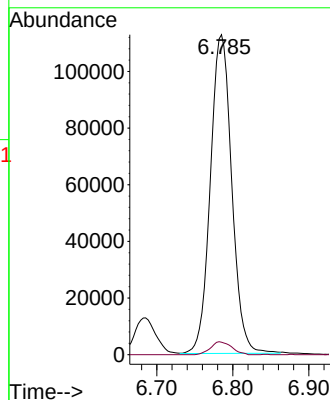
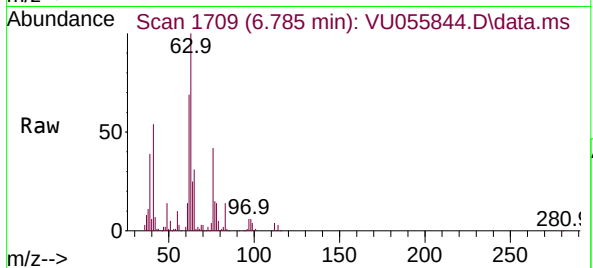
ClientSampleId :

Tgt Ion: 63 Resp: 220111

Ion Ratio Lower Upper

63 100

112 4.0 3.0 4.4



#38

Bromodichloromethane

Concen: 49.668 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.003 min

Lab File: VU055844.D

Acq: 20 Oct 2023 19:51

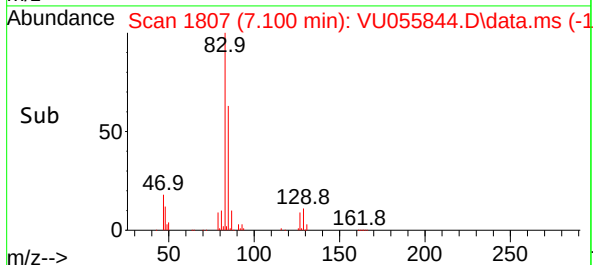
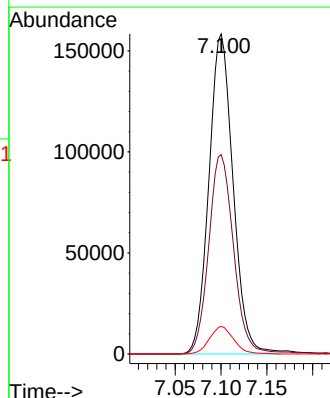
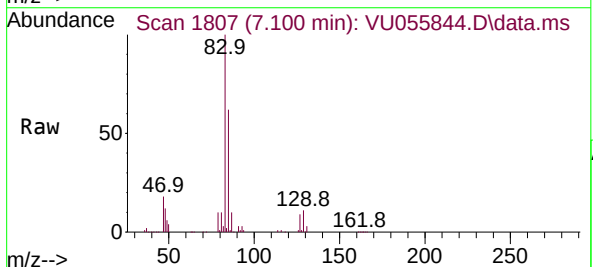
Tgt Ion: 83 Resp: 290706

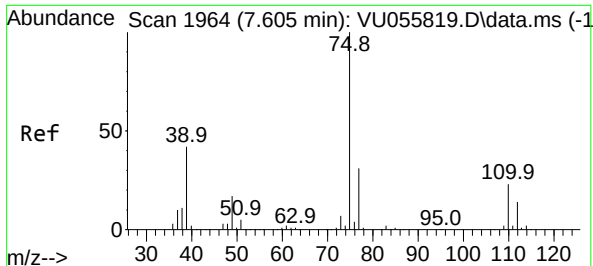
Ion Ratio Lower Upper

83 100

85 62.3 46.0 85.4

127 9.6 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 51.741 ug/L

RT: 7.602 min Scan# 1964

Delta R.T. -0.003 min

Lab File: VU055844.D

Acq: 20 Oct 2023 19:51

Instrument :

MSVOA_U

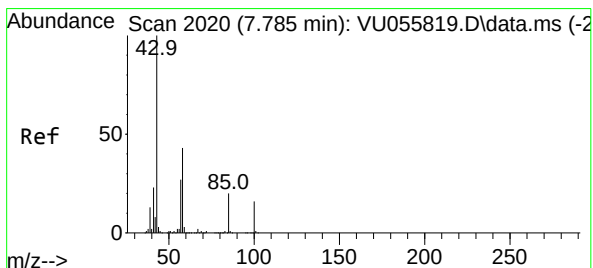
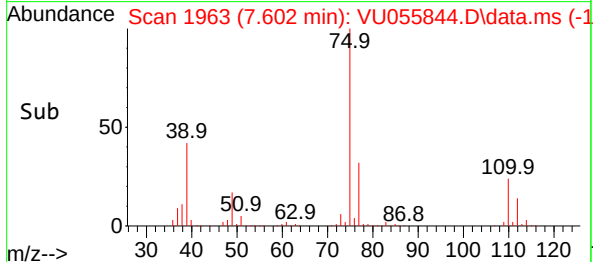
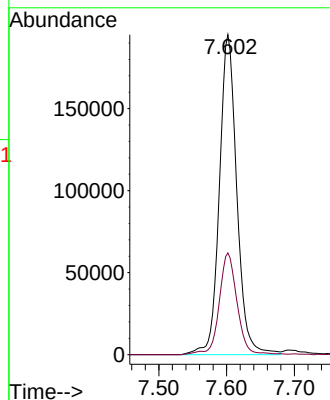
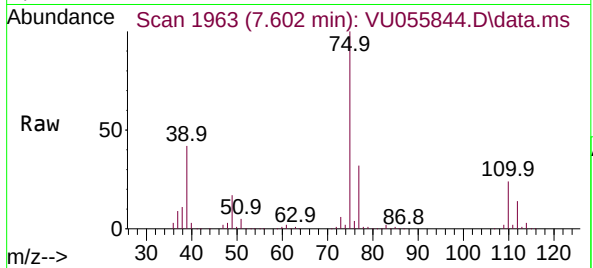
ClientSampleId :

Tgt Ion: 75 Resp: 349371

Ion Ratio Lower Upper

75 100

77 31.8 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 102.964 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.000 min

Lab File: VU055844.D

Acq: 20 Oct 2023 19:51

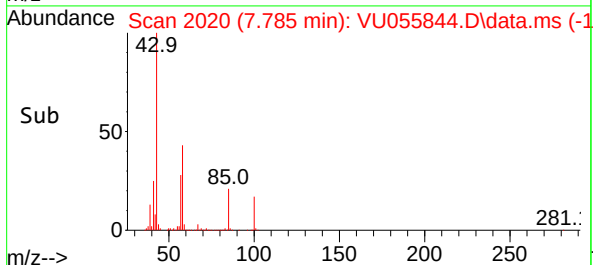
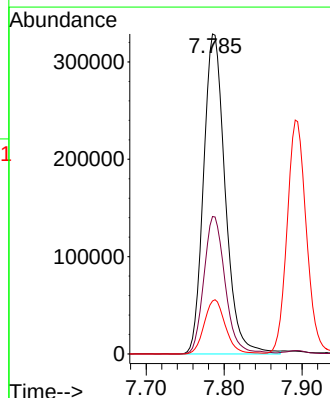
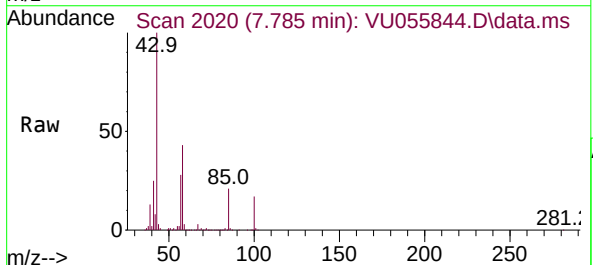
Tgt Ion: 43 Resp: 635751

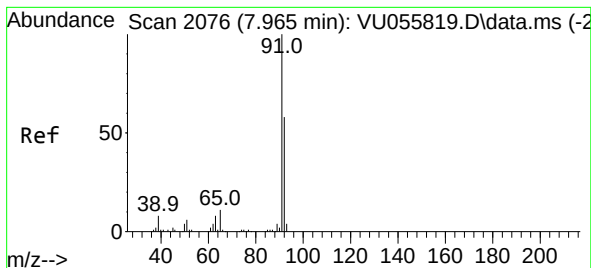
Ion Ratio Lower Upper

43 100

58 42.4 32.3 48.5

100 16.6 12.0 18.0





#42

Toluene

Concen: 51.144 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU055844.D

Acq: 20 Oct 2023 19:51

Instrument :

MSVOA_U

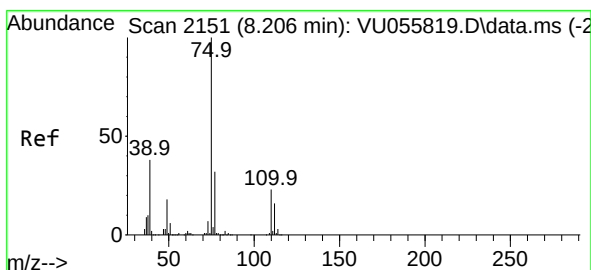
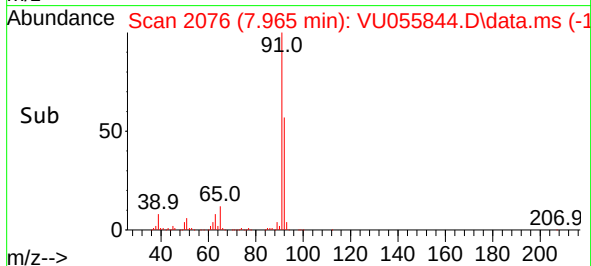
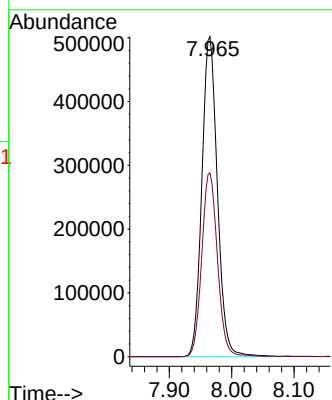
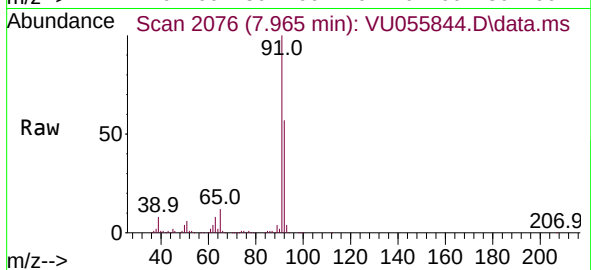
ClientSampleId :

Tgt Ion: 91 Resp: 869834

Ion Ratio Lower Upper

91 100

92 57.4 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 50.573 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU055844.D

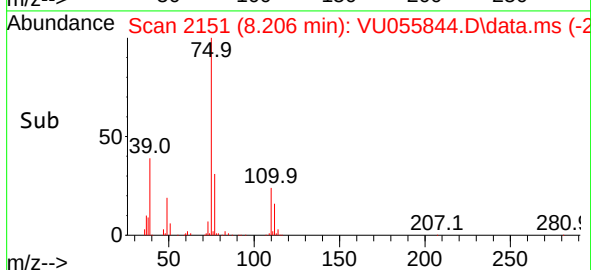
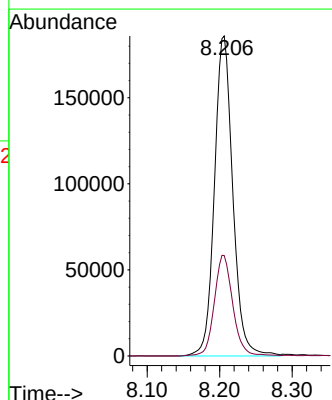
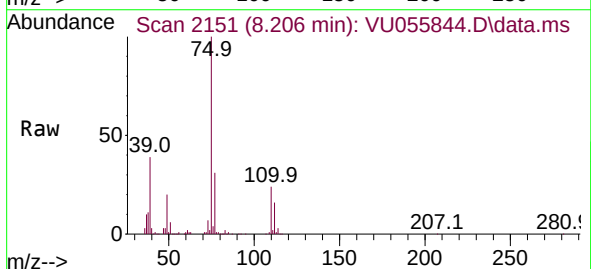
Acq: 20 Oct 2023 19:51

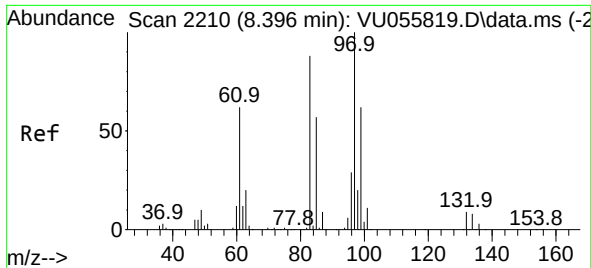
Tgt Ion: 75 Resp: 326738

Ion Ratio Lower Upper

75 100

77 31.4 21.6 40.2



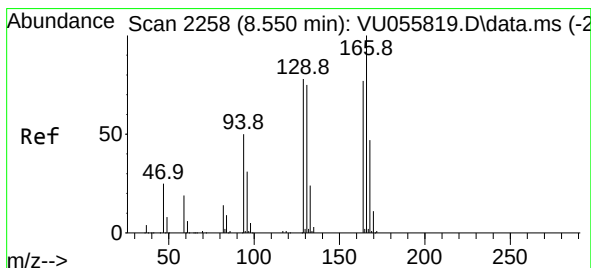
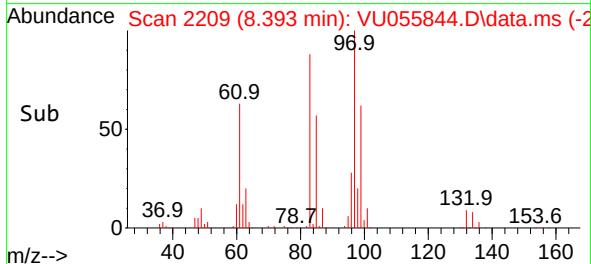
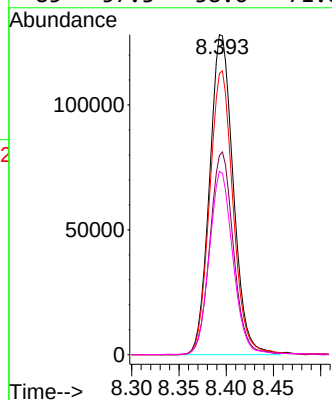
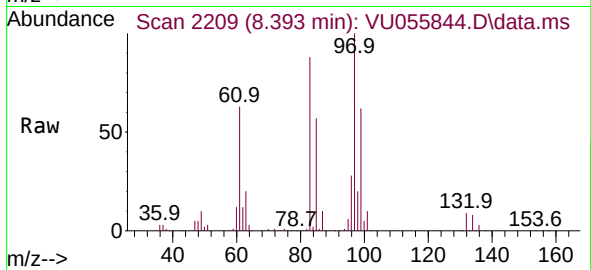


#45
 1,1,2-Trichloroethane
 Concen: 51.043 ug/L
 RT: 8.393 min Scan# 2209
 Delta R.T. -0.003 min
 Lab File: VU055844.D
 Acq: 20 Oct 2023 19:51

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion: 97 Resp: 223387

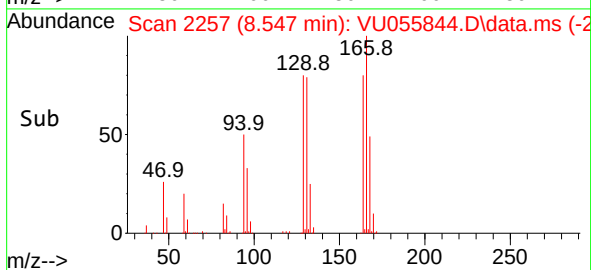
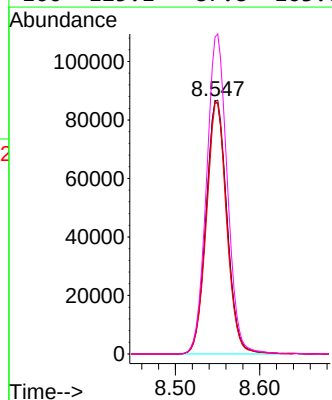
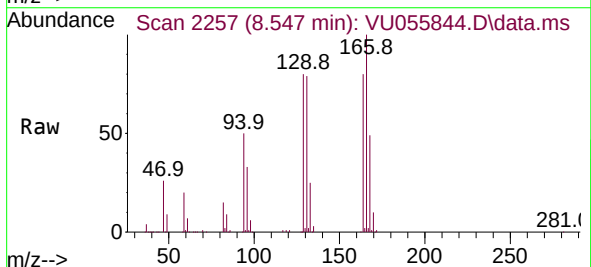
Ion	Ratio	Lower	Upper
97	100		
99	62.3	44.4	82.5
83	87.9	60.4	112.2
85	57.3	38.6	71.8

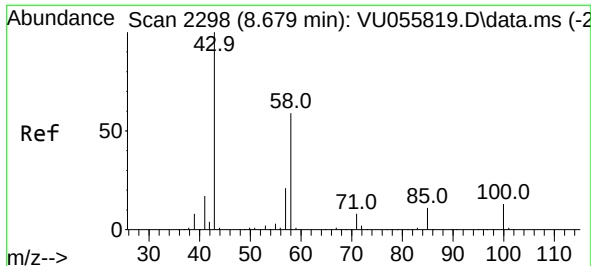


#46
 Tetrachloroethene
 Concen: 47.205 ug/L
 RT: 8.547 min Scan# 2257
 Delta R.T. -0.003 min
 Lab File: VU055844.D
 Acq: 20 Oct 2023 19:51

Tgt Ion: 164 Resp: 149054

Ion	Ratio	Lower	Upper
164	100		
129	100.0	70.7	131.3
131	98.8	65.9	122.5
166	125.1	87.8	163.0

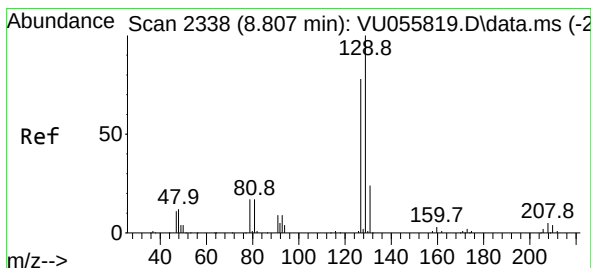
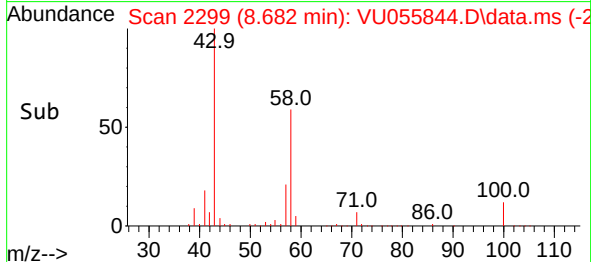
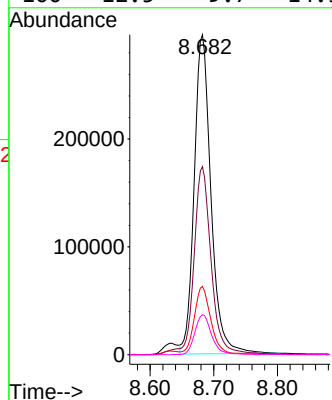
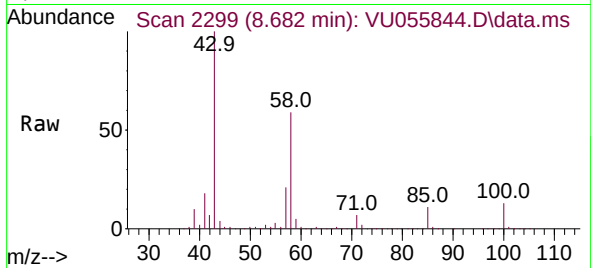




#48
2-Hexanone
Concen: 104.039 ug/L
RT: 8.682 min Scan# 2298
Delta R.T. 0.003 min
Lab File: VU055844.D
Acq: 20 Oct 2023 19:51

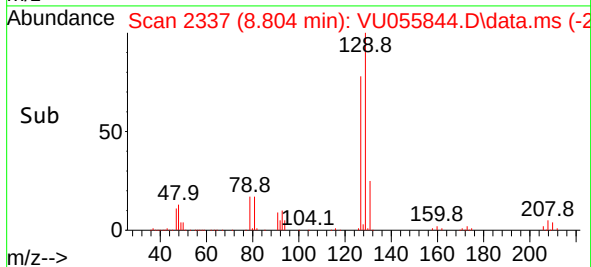
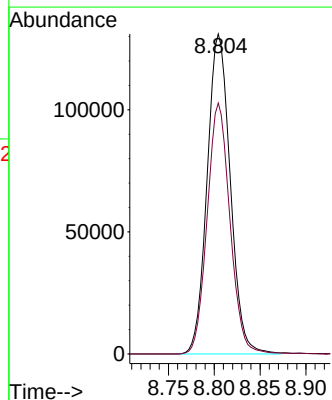
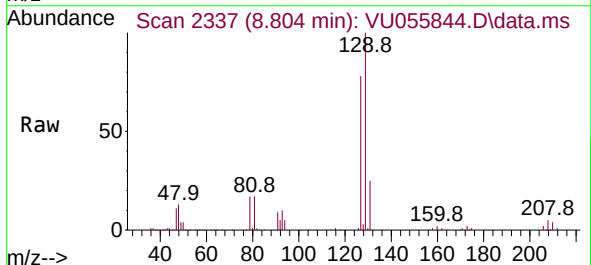
Instrument :
MSVOA_U
ClientSampleId :

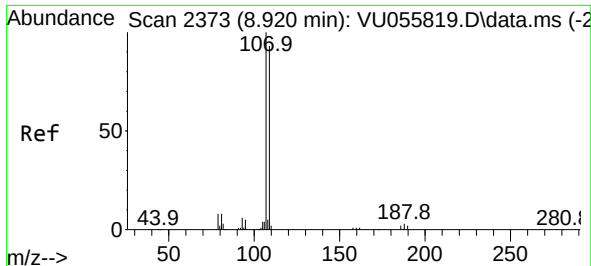
Tgt Ion: 43 Resp: 542608
Ion Ratio Lower Upper
43 100
58 60.9 45.2 67.8
57 20.3 16.1 24.1
100 12.5 9.7 14.5



#49
Dibromochloromethane
Concen: 51.417 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.003 min
Lab File: VU055844.D
Acq: 20 Oct 2023 19:51

Tgt Ion: 129 Resp: 229920
Ion Ratio Lower Upper
129 100
127 78.4 54.0 100.4





#50

1,2-Dibromoethane

Concen: 50.658 ug/L

RT: 8.917 min Scan# 21

Delta R.T. -0.003 min

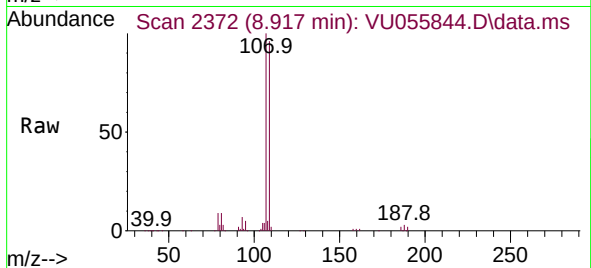
Lab File: VU055844.D

Acq: 20 Oct 2023 19:51

Instrument :

MSVOA_U

ClientSampleId :



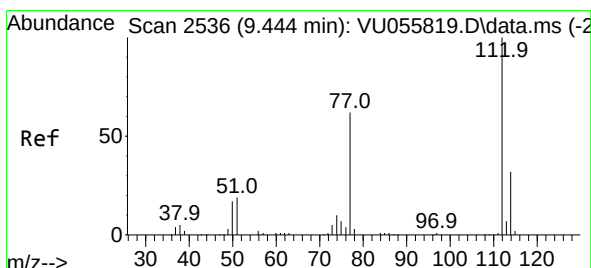
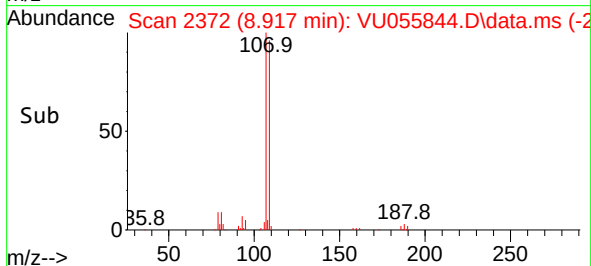
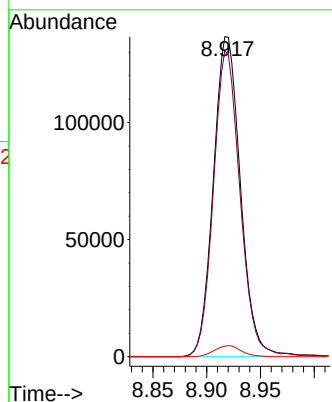
Tgt Ion:107 Resp: 238126

Ion Ratio Lower Upper

107 100

109 95.6 66.7 123.9

188 3.3 2.6 4.0



#51

Chlorobenzene

Concen: 50.739 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.003 min

Lab File: VU055844.D

Acq: 20 Oct 2023 19:51

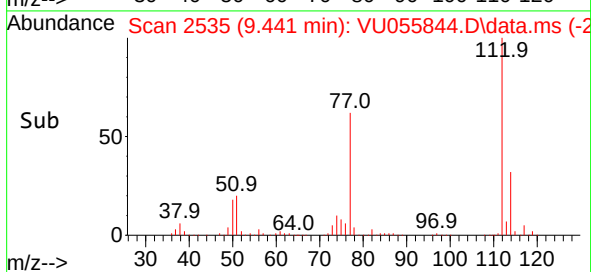
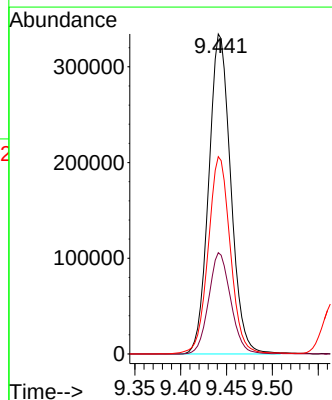
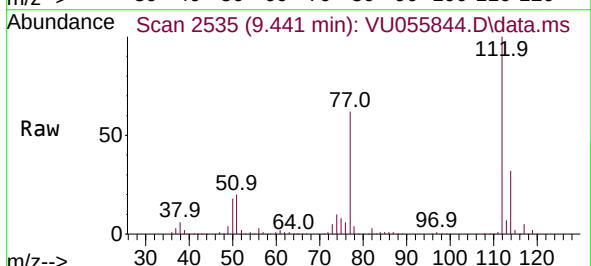
Tgt Ion:112 Resp: 558333

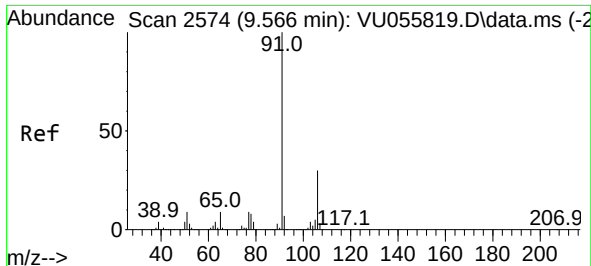
Ion Ratio Lower Upper

112 100

114 31.7 22.0 40.8

77 61.7 49.0 73.6

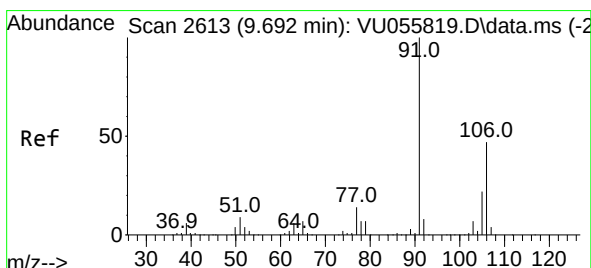
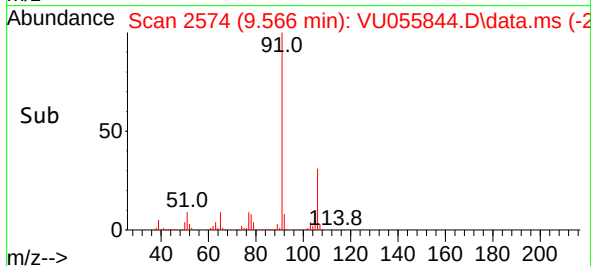
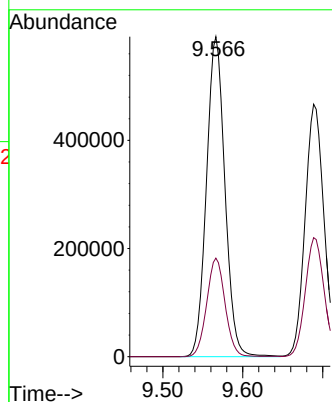
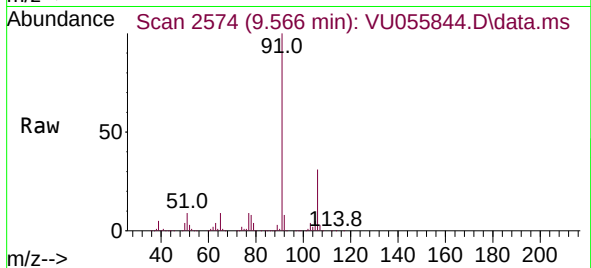




#52
Ethylbenzene
Concen: 51.080 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055844.D
Acq: 20 Oct 2023 19:51

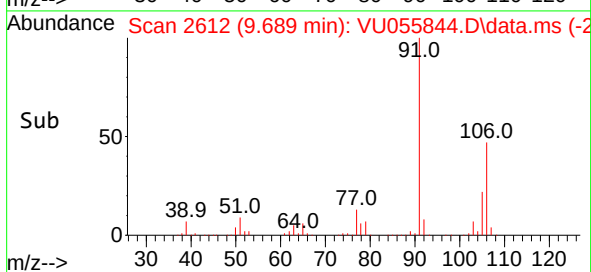
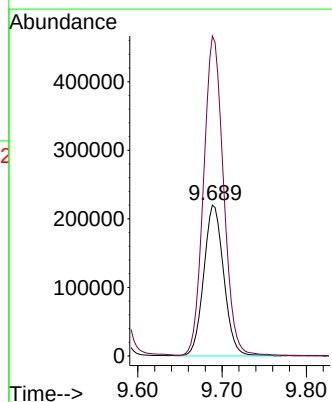
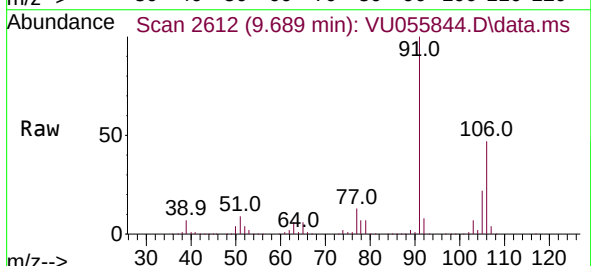
Instrument :
MSVOA_U
ClientSampleId :

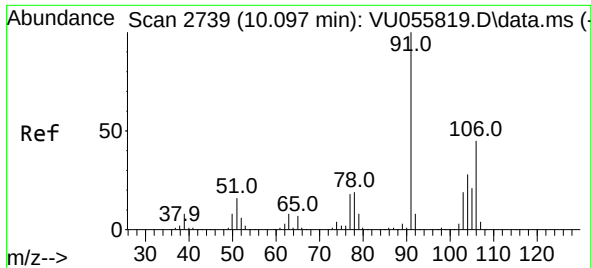
Tgt Ion: 91 Resp: 949777
Ion Ratio Lower Upper
91 100
106 30.8 21.2 39.4



#53
m,p-Xylene
Concen: 52.271 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU055844.D
Acq: 20 Oct 2023 19:51

Tgt Ion:106 Resp: 364123
Ion Ratio Lower Upper
106 100
91 212.1 143.8 267.0

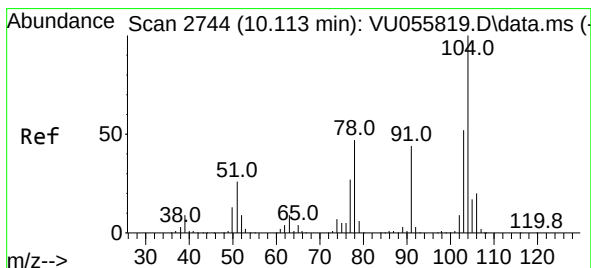
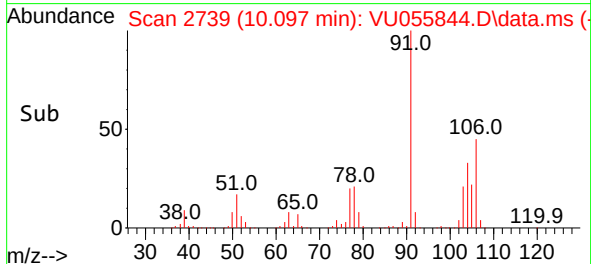
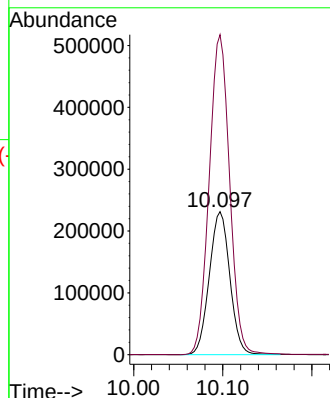
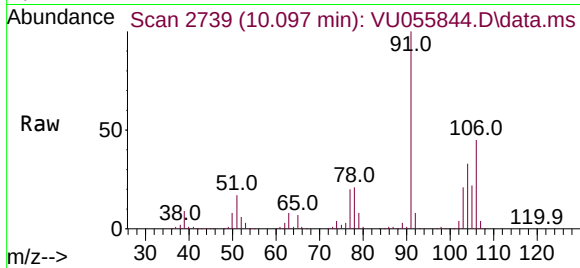




#54
o-Xylene
Concen: 54.992 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055844.D
Acq: 20 Oct 2023 19:51

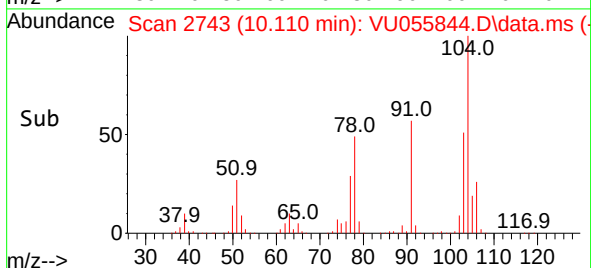
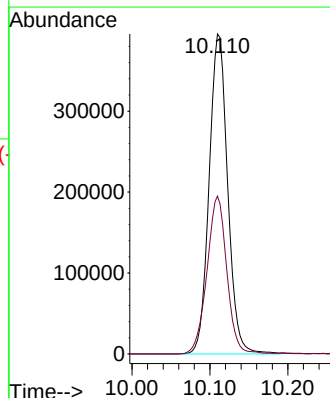
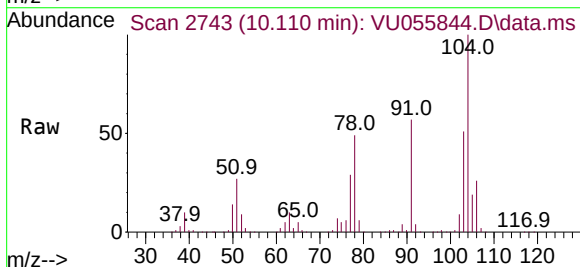
Instrument :
MSVOA_U
ClientSampleId :

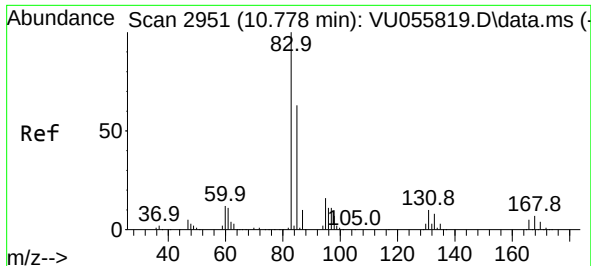
Tgt Ion:106 Resp: 370696
Ion Ratio Lower Upper
106 100
91 223.8 151.8 282.0



#55
Styrene
Concen: 57.241 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.003 min
Lab File: VU055844.D
Acq: 20 Oct 2023 19:51

Tgt Ion:104 Resp: 653666
Ion Ratio Lower Upper
104 100
78 49.3 33.6 62.4

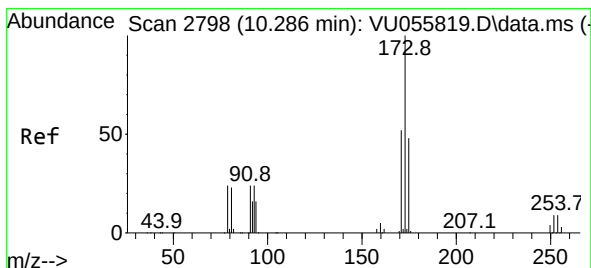
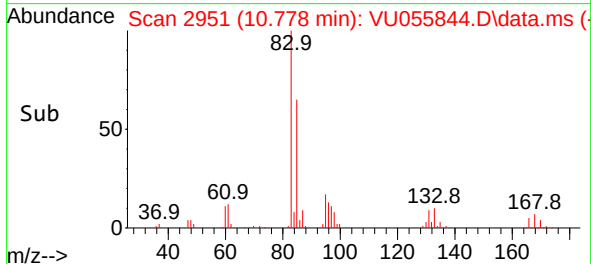
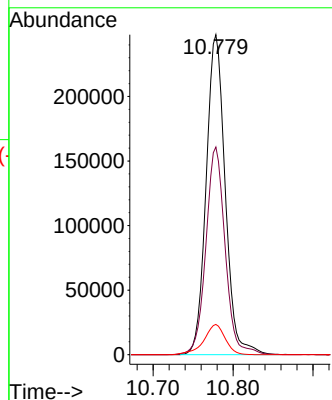
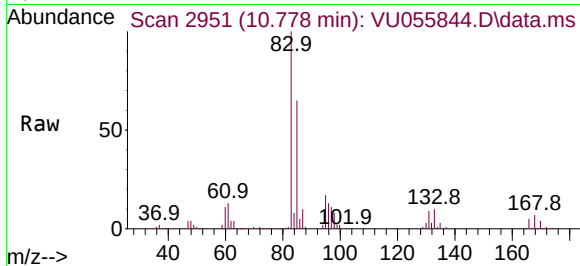




#57
1,1,2,2-Tetrachloroethane
Concen: 54.863 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VU055844.D
Acq: 20 Oct 2023 19:51

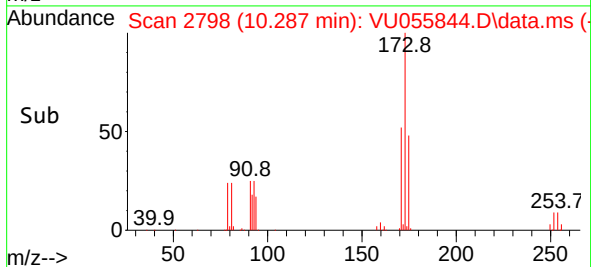
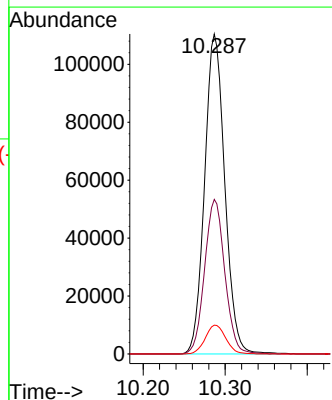
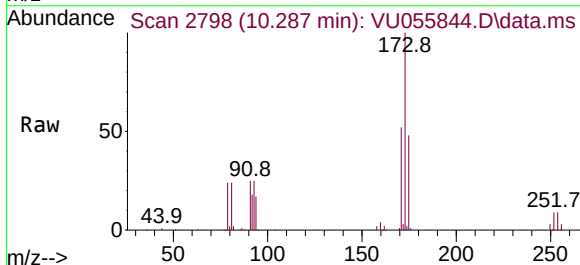
Instrument :
MSVOA_U
ClientSampleId :

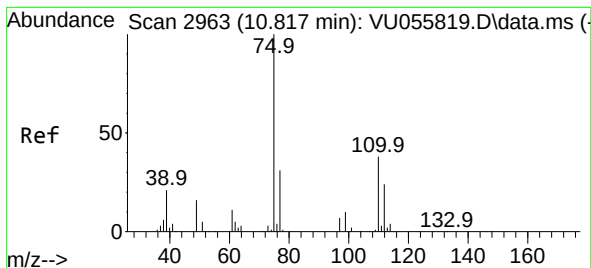
Tgt Ion: 83 Resp: 411129
Ion Ratio Lower Upper
83 100
85 64.9 44.9 83.5
131 9.4 7.3 10.9



#59
Bromoform
Concen: 52.558 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. 0.000 min
Lab File: VU055844.D
Acq: 20 Oct 2023 19:51

Tgt Ion:173 Resp: 189106
Ion Ratio Lower Upper
173 100
175 48.2 40.4 60.6
254 9.2 7.3 10.9





#60

1,2,3-Trichloropropane

Concen: 52.728 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU055844.D

Acq: 20 Oct 2023 19:51

Instrument :

MSVOA_U

ClientSampleId :

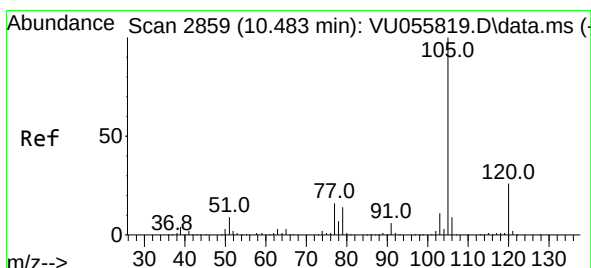
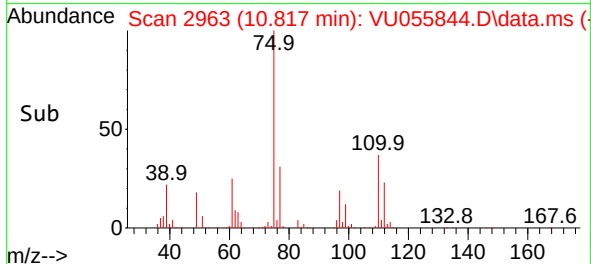
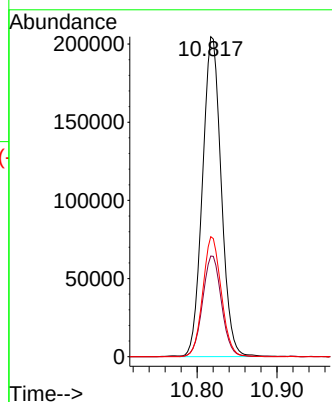
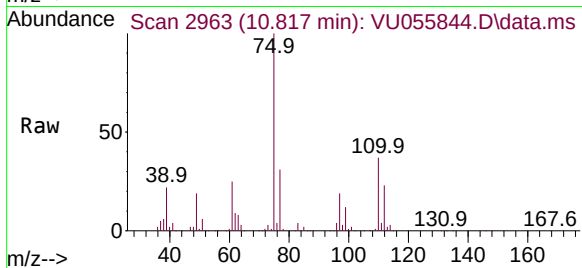
Tgt Ion: 75 Resp: 334477

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.8

110 36.9 28.5 42.7



#61

Isopropylbenzene

Concen: 51.973 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. -0.003 min

Lab File: VU055844.D

Acq: 20 Oct 2023 19:51

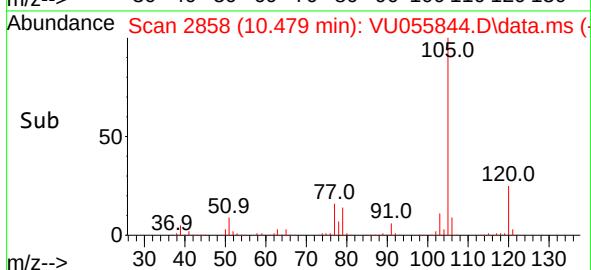
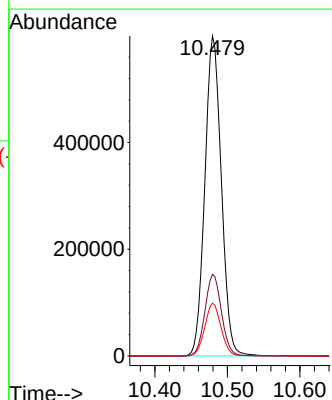
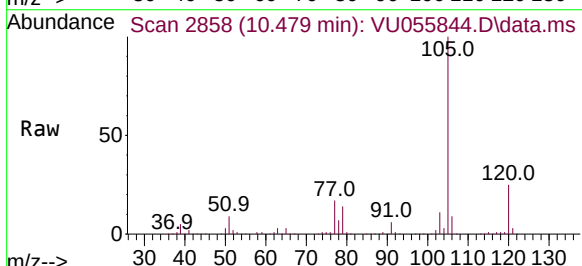
Tgt Ion: 105 Resp: 947006

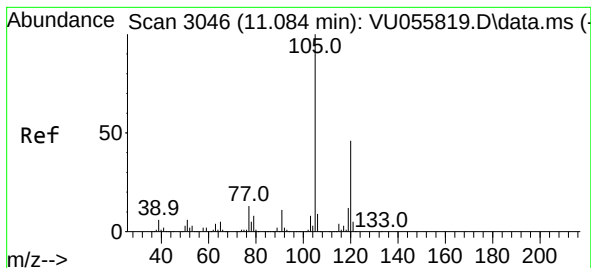
Ion Ratio Lower Upper

105 100

120 25.5 20.6 30.8

77 16.4 13.4 20.0

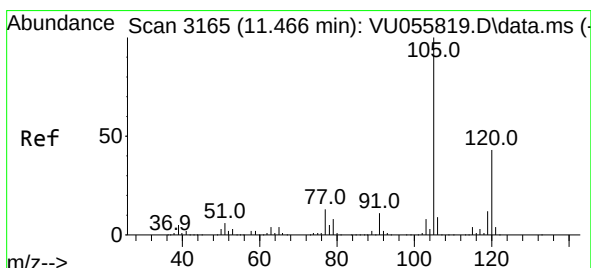
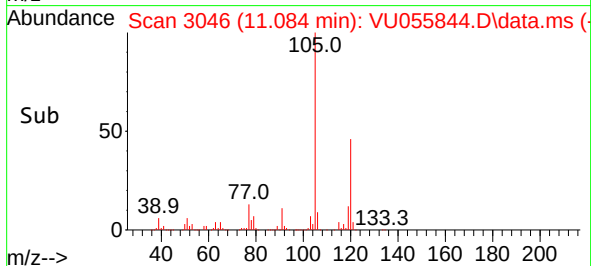
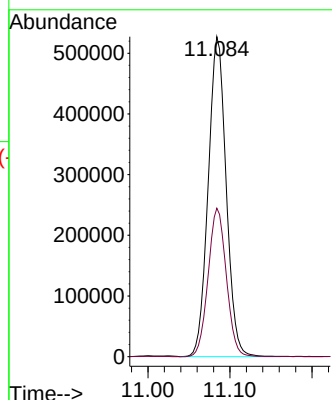
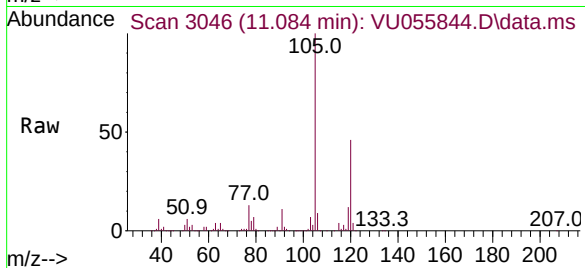




#62
 1,3,5-Trimethylbenzene
 Concen: 54.363 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. 0.000 min
 Lab File: VU055844.D
 Acq: 20 Oct 2023 19:51

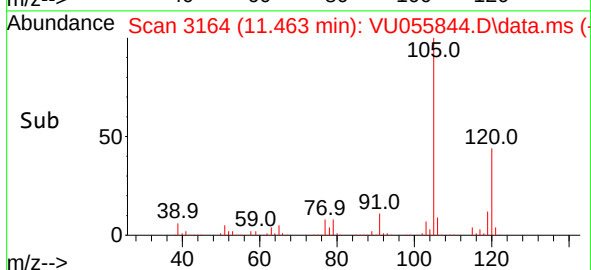
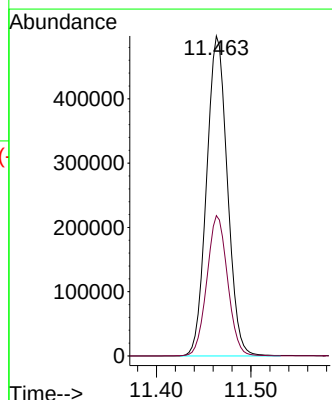
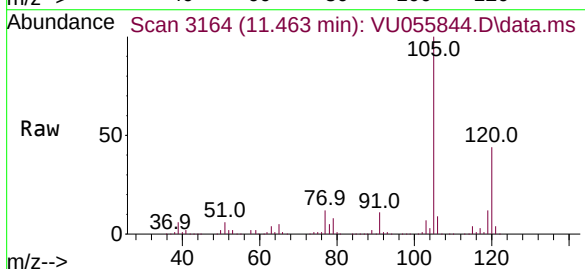
Instrument :
 MSVOA_U
 ClientSampleId :

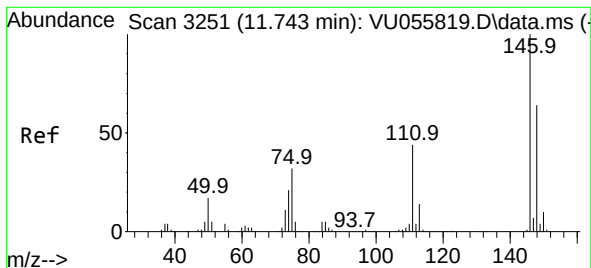
Tgt Ion:105 Resp: 801523
 Ion Ratio Lower Upper
 105 100
 120 46.9 37.7 56.5



#63
 1,2,4-Trimethylbenzene
 Concen: 52.181 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. -0.003 min
 Lab File: VU055844.D
 Acq: 20 Oct 2023 19:51

Tgt Ion:105 Resp: 760748
 Ion Ratio Lower Upper
 105 100
 120 43.8 35.0 52.4





#64

1,3-Dichlorobenzene

Concen: 51.789 ug/L

RT: 11.743 min Scan# 3251

Delta R.T. 0.000 min

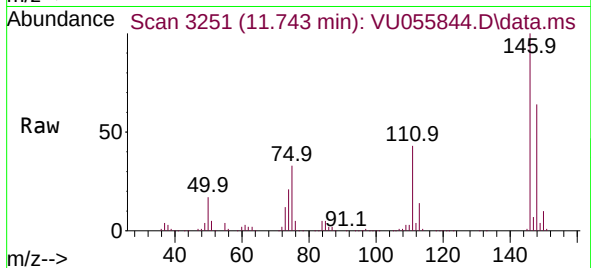
Lab File: VU055844.D

Acq: 20 Oct 2023 19:51

Instrument :

MSVOA_U

ClientSampleId :



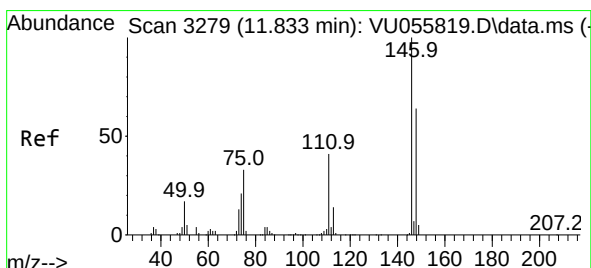
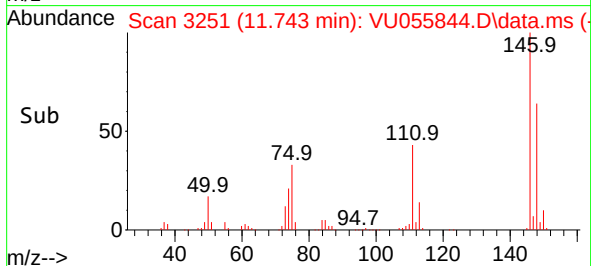
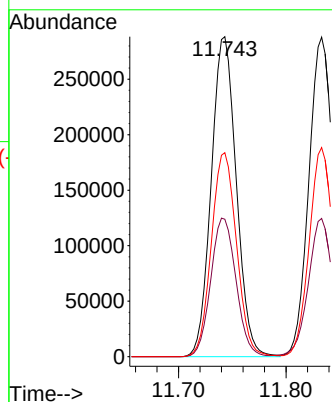
Tgt Ion:146 Resp: 466489

Ion Ratio Lower Upper

146 100

111 42.9 29.7 55.1

148 63.8 45.0 83.6



#65

1,4-Dichlorobenzene

Concen: 50.145 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.000 min

Lab File: VU055844.D

Acq: 20 Oct 2023 19:51

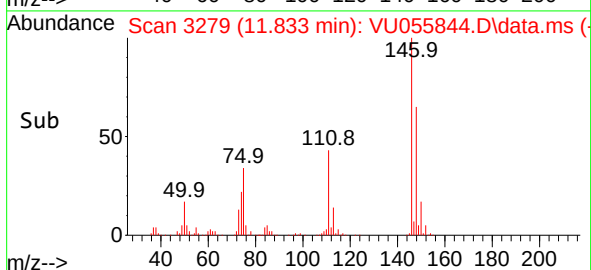
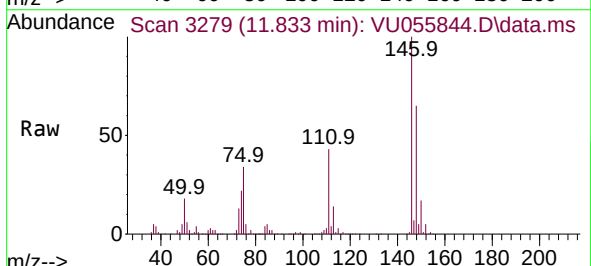
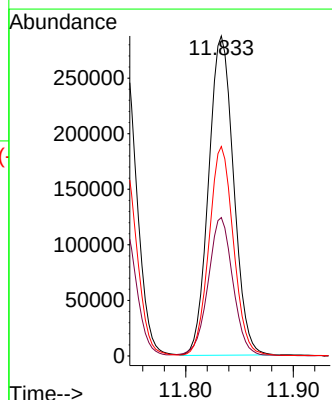
Tgt Ion:146 Resp: 464388

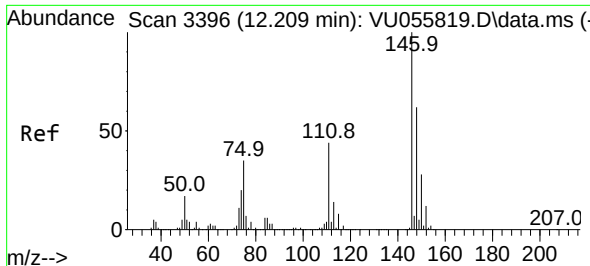
Ion Ratio Lower Upper

146 100

111 43.2 28.6 53.0

148 65.5 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 52.711 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.000 min

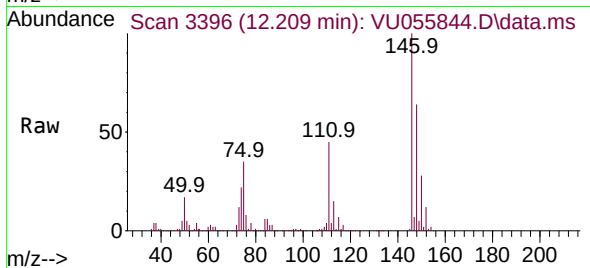
Lab File: VU055844.D

Acq: 20 Oct 2023 19:51

Instrument :

MSVOA_U

ClientSampleId :



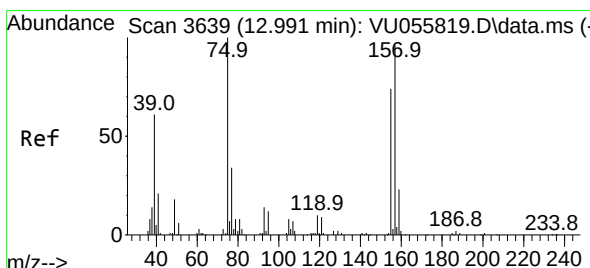
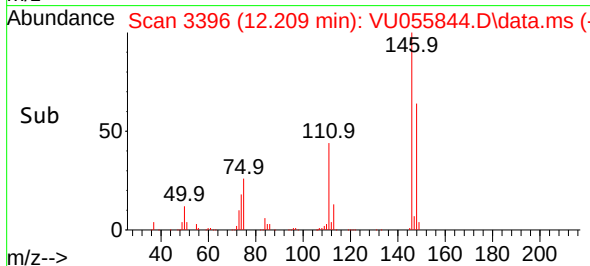
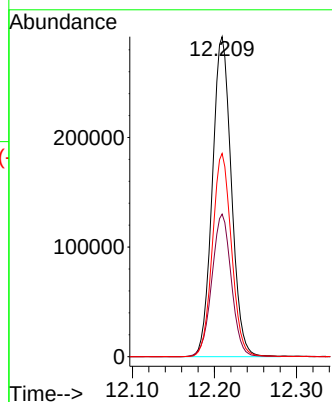
Tgt Ion:146 Resp: 471173

Ion Ratio Lower Upper

146 100

111 44.6 35.2 52.8

148 63.5 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 43.730 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.003 min

Lab File: VU055844.D

Acq: 20 Oct 2023 19:51

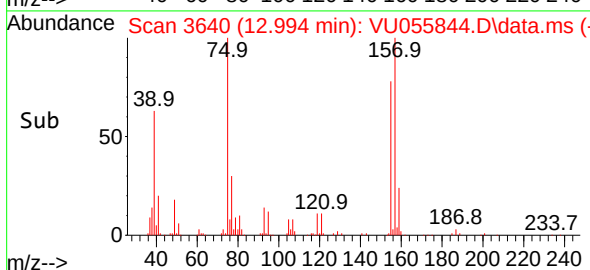
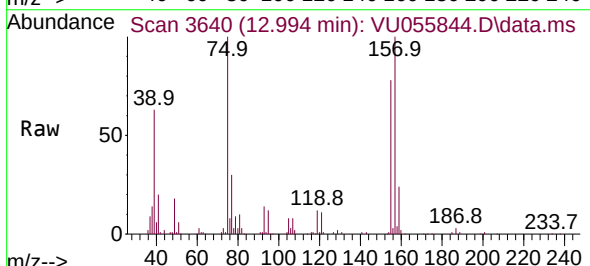
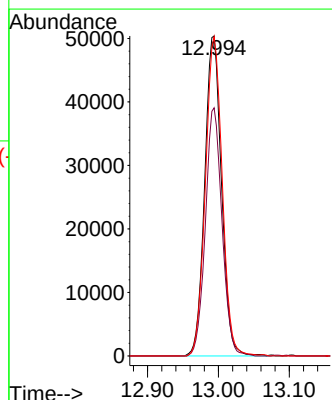
Tgt Ion: 75 Resp: 82931

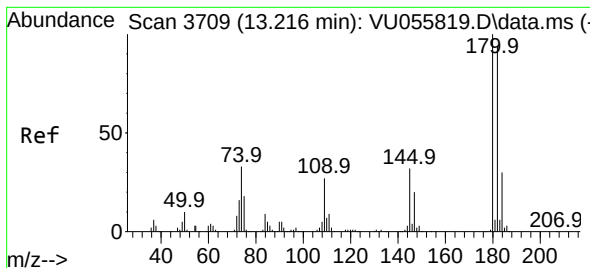
Ion Ratio Lower Upper

75 100

155 77.6 59.6 89.4

157 99.7 77.7 116.5





#69

1,3,5-Trichlorobenzene

Concen: 47.368 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.000 min

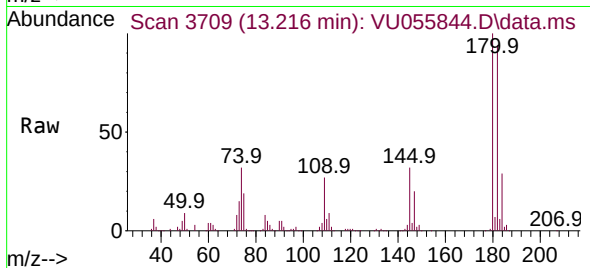
Lab File: VU055844.D

Acq: 20 Oct 2023 19:51

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 284597

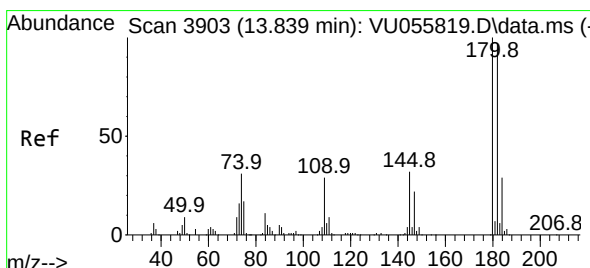
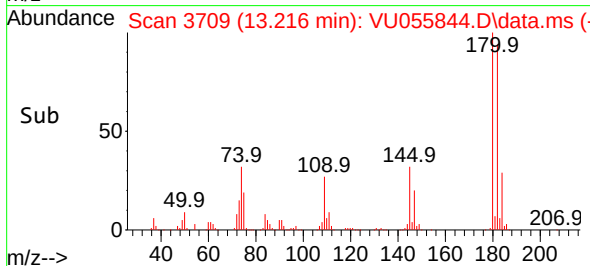
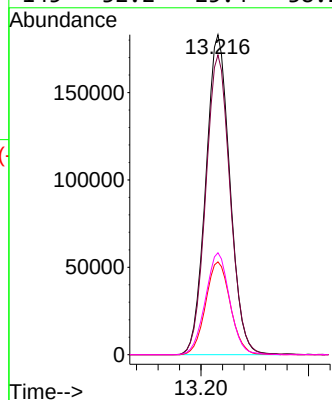
Ion Ratio Lower Upper

180 100

182 95.0 76.2 114.2

184 29.8 23.9 35.9

145 32.2 25.4 38.2



#70

1,2,4-trichlorobenzene

Concen: 48.264 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.003 min

Lab File: VU055844.D

Acq: 20 Oct 2023 19:51

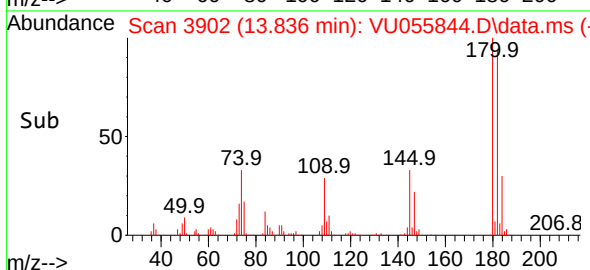
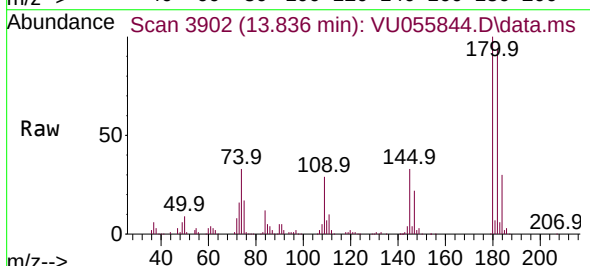
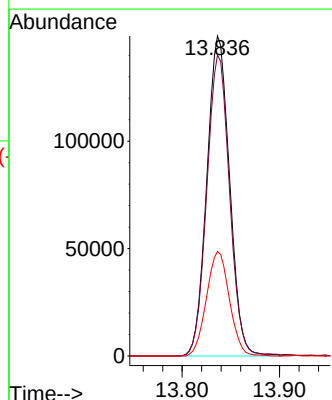
Tgt Ion:180 Resp: 241537

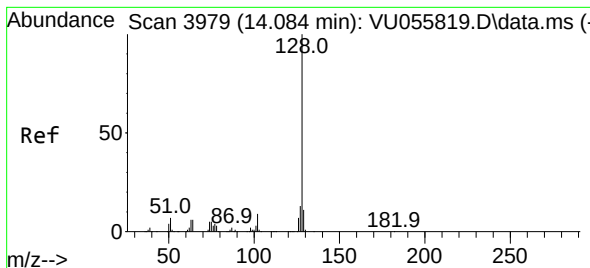
Ion Ratio Lower Upper

180 100

182 93.9 75.4 113.2

145 32.9 26.1 39.1





#71

Naphthalene

Concen: 52.901 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. 0.000 min

Lab File: VU055844.D

Acq: 20 Oct 2023 19:51

Instrument :

MSVOA_U

ClientSampleId :

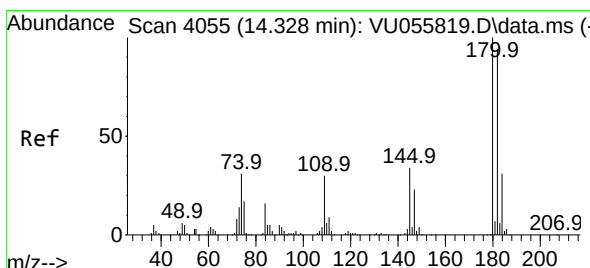
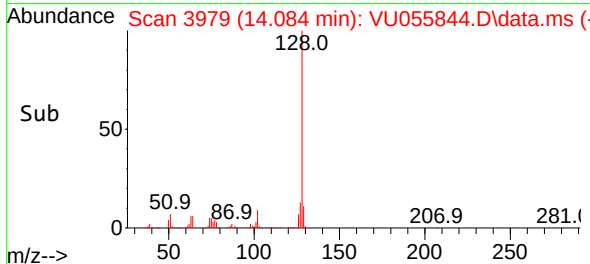
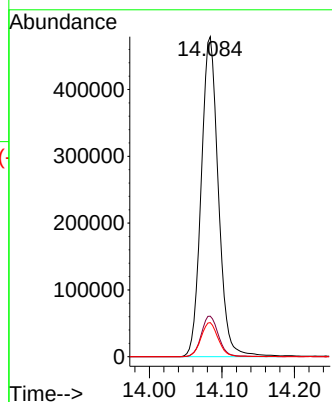
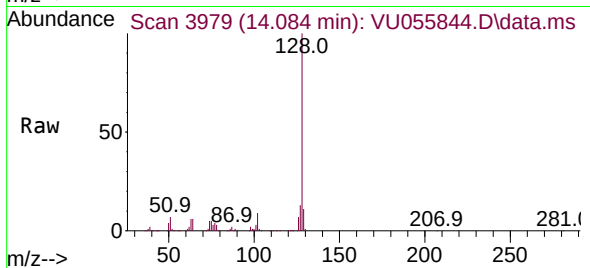
Tgt Ion:128 Resp: 786442

Ion Ratio Lower Upper

128 100

127 12.6 10.6 16.0

129 10.6 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 49.621 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.003 min

Lab File: VU055844.D

Acq: 20 Oct 2023 19:51

Tgt Ion:180 Resp: 244840

Ion Ratio Lower Upper

180 100

182 96.0 78.1 117.1

145 34.0 27.4 41.0

