

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090123\
 Data File : VU055038.D
 Acq On : 01 Sep 2023 13:41
 Operator : MD/SY
 Sample : VSTD00551
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 01 23:22:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 01 23:21:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	194952	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	194447	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	108600	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	46790	6.959	ug/L	0.00
7) Chloroethane-d5	1.907	69	53035	6.228	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	65	26586	6.957	ug/L	0.00
20) 2-Butanone-d5	4.628	46	137812	42.759	ug/L	0.00
24) Chloroform-d	5.062	84	126395	5.454	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	63581	5.216	ug/L	0.00
32) Benzene-d6	5.724	84	253968	5.646	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.689	67	77296	5.037	ug/L	0.00
41) Toluene-d8	7.894	98	234975	5.504	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.181	79	22813	4.635	ug/L	0.00
46) 2-Hexanone-d5	8.631	63	89956	39.200	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	56277	4.395	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	80797	4.736	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	63109	5.227	ug/L	100
3) Chloromethane	1.518	50	60199	4.799	ug/L	100
5) Vinyl chloride	1.602	62	62791	4.863	ug/L	100
6) Bromomethane	1.853	94	37991	4.719	ug/L	100
8) Chloroethane	1.930	64	41031	4.811	ug/L	100
9) Trichlorofluoromethane	2.136	101	93228	5.041	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	54574	5.354	ug/L	100
12) 1,1-Dichloroethene	2.576	96	47075	5.297	ug/L	100
13) Acetone	2.631	43	90740	49.838	ug/L	100
14) Carbon disulfide	2.792	76	113508	4.738	ug/L	100
15) Methyl Acetate	2.952	43	18397	5.017	ug/L	100
16) Methylene chloride	3.039	84	67577	4.822	ug/L	100
17) Methyl tert-butyl Ether	3.361	73	124505	4.885	ug/L	100
18) trans-1,2-Dichloroethene	3.351	96	47912	4.986	ug/L	100
19) 1,1-Dichloroethane	3.866	63	104431	5.171	ug/L	100
21) 2-Butanone	4.705	43	137694	49.558	ug/L	100
22) cis-1,2-Dichloroethene	4.663	96	57539	5.079	ug/L	100
23) Bromochloromethane	4.972	128	24755	5.019	ug/L	100
25) Chloroform	5.084	83	112083	5.073	ug/L	100
27) 1,2-Dichloroethane	5.792	62	65952	4.888	ug/L	100
29) 1,1,1-Trichloroethane	5.312	97	90295	4.736	ug/L	100
30) Cyclohexane	5.383	56	79508	4.753	ug/L	100
31) Carbon tetrachloride	5.521	117	76327	4.719	ug/L	100
33) Benzene	5.769	78	224025	4.927	ug/L	100
34) Trichloroethene	6.541	95	60050	4.800	ug/L	100
35) Methylcyclohexane	6.763	83	85694	4.656	ug/L	100
37) 1,2-Dichloropropane	6.788	63	61709	4.865	ug/L	100
38) Bromodichloromethane	7.103	83	71787	4.615	ug/L	100
39) cis-1,3-Dichloropropene	7.605	75	84265	4.686	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	334706	47.490	ug/L	100
42) Toluene	7.965	91	236849	4.743	ug/L	100
44) trans-1,3-Dichloropropene	8.209	75	66547	4.506	ug/L	100

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 ClientSampleId :

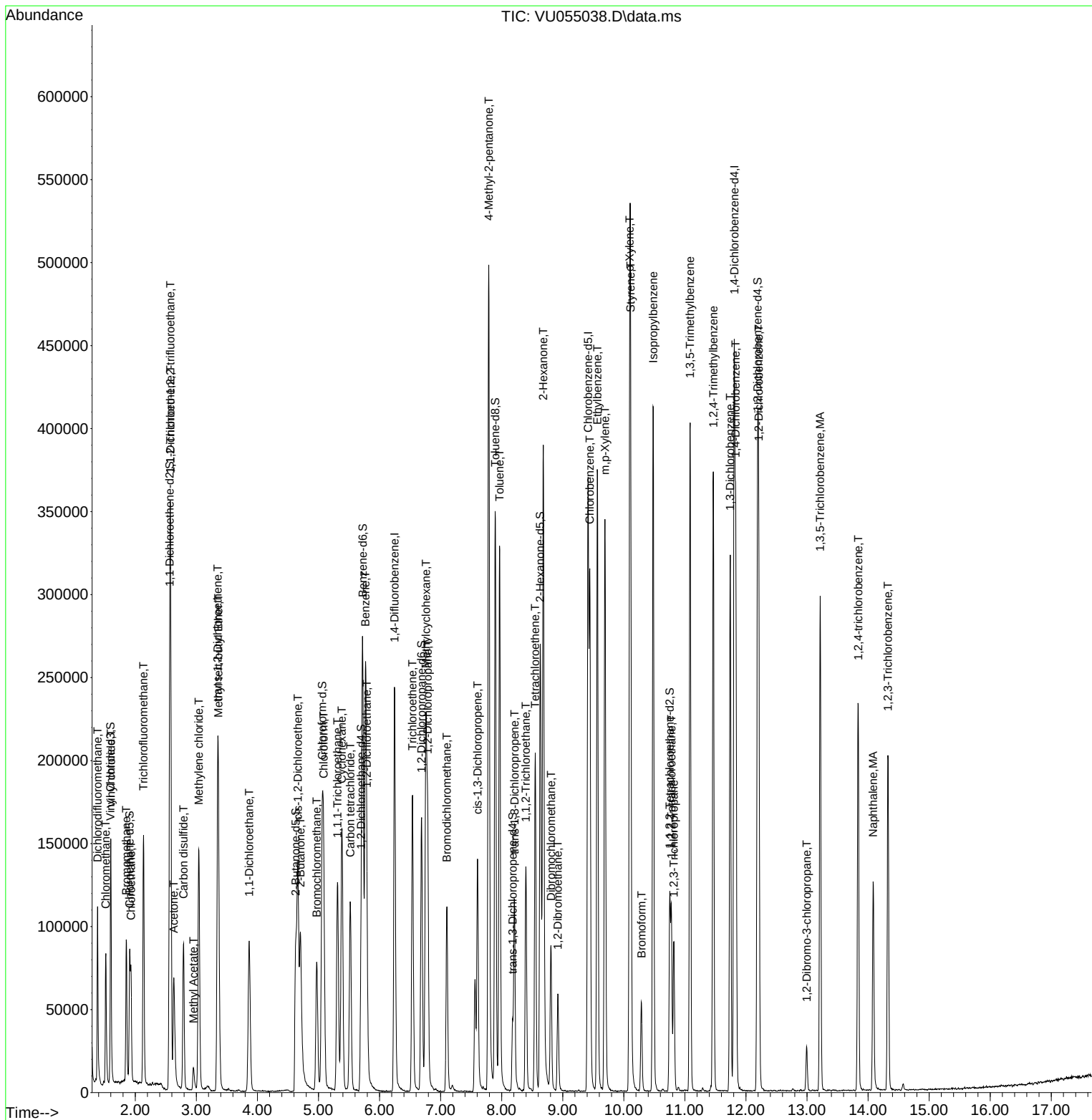
Quant Time: Sep 01 23:22:53 2023
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 01 23:21:24 2023
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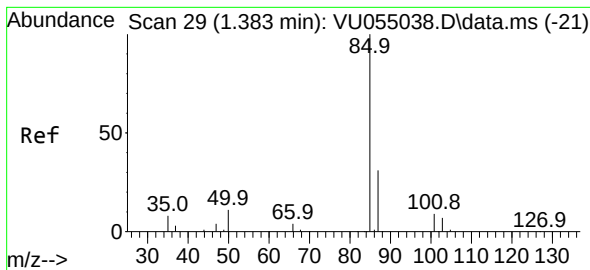
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.396	97	40595	4.813	ug/L	100
47) Tetrachloroethene	8.550	164	42001	4.682	ug/L	100
48) 2-Hexanone	8.682	43	251535	47.986	ug/L	100
49) Dibromochloromethane	8.807	129	44118	4.488	ug/L	100
50) 1,2-Dibromoethane	8.920	107	37802	4.644	ug/L	100
51) Chlorobenzene	9.444	112	153889	4.714	ug/L	100
52) Ethylbenzene	9.566	91	264815	4.713	ug/L	100
53) m,p-Xylene	9.692	106	98170	4.668	ug/L	100
54) o-Xylene	10.097	106	96536	4.763	ug/L	100
55) Styrene	10.113	104	159687	4.794	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	52175	4.913	ug/L	100
59) Bromoform	10.290	173	22472	4.288	ug/L	100
60) Isopropylbenzene	10.483	105	265822	4.690	ug/L	100
61) 1,2,3-Trichloropropane	10.820	75	37581	4.705	ug/L	100
62) 1,3,5-Trimethylbenzene	11.087	105	219103	4.532	ug/L	100
63) 1,2,4-Trimethylbenzene	11.467	105	205884	4.598	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	123742	4.667	ug/L	100
65) 1,4-Dichlorobenzene	11.833	146	120202	4.548	ug/L	100
67) 1,2-Dichlorobenzene	12.209	146	111200	4.625	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.994	75	7017	4.614	ug/L	100
69) 1,3,5-Trichlorobenzene	13.216	180	85455	4.801	ug/L	100
70) 1,2,4-trichlorobenzene	13.839	180	68242	4.855	ug/L	100
71) Naphthalene	14.084	128	103933	4.862	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	59043	5.013	ug/L	100

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

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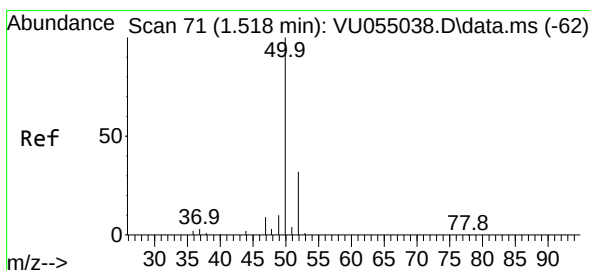
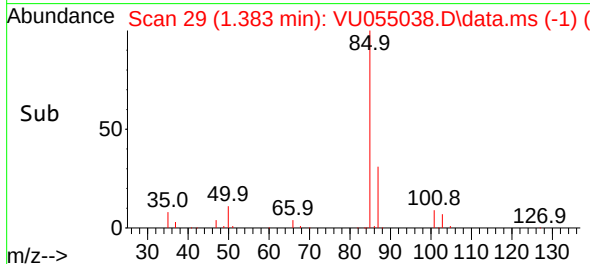
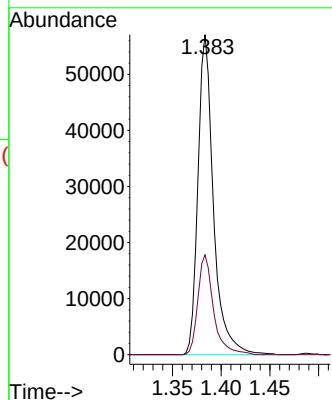
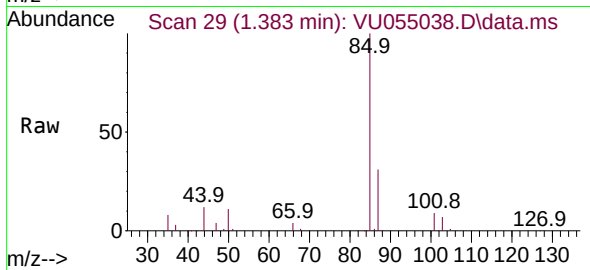




#2
 Dichlorodifluoromethane
 Concen: 5.227 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU055038.D
 Acq: 01 Sep 2023 13:41

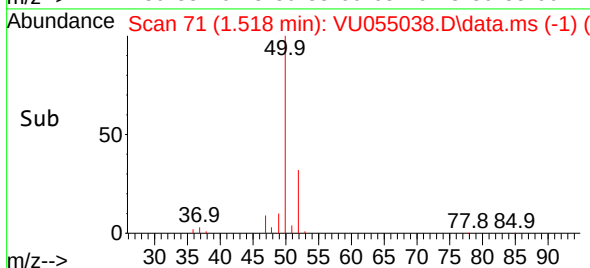
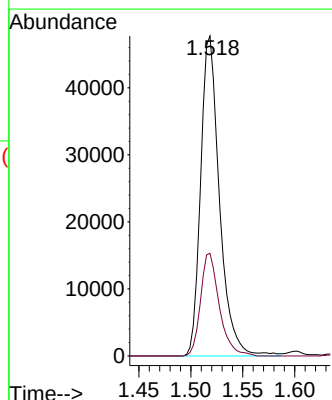
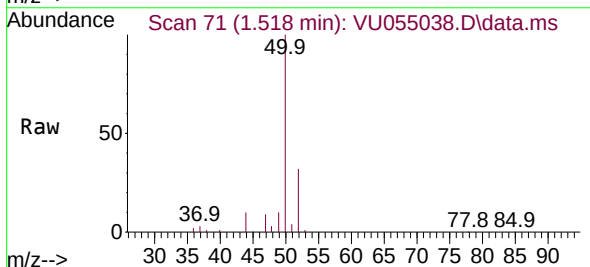
Instrument :
 MSVOA_U
 ClientSampleId :

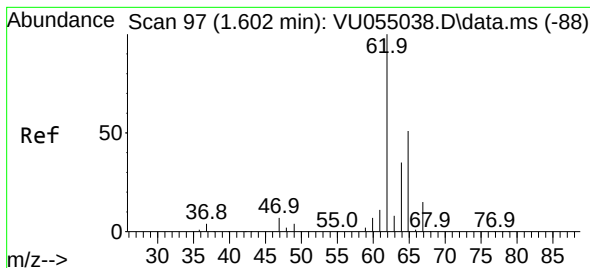
Tgt Ion: 85 Resp: 63109
 Ion Ratio Lower Upper
 85 100
 87 31.4 25.1 37.7



#3
 Chloromethane
 Concen: 4.799 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU055038.D
 Acq: 01 Sep 2023 13:41

Tgt Ion: 50 Resp: 60199
 Ion Ratio Lower Upper
 50 100
 52 32.1 22.5 41.7





#5

Vinyl chloride

Concen: 4.863 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU055038.D

Acq: 01 Sep 2023 13:41

Instrument :

MSVOA_U

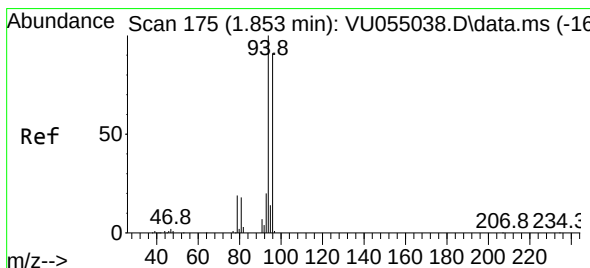
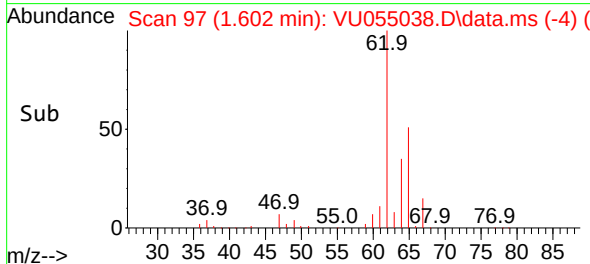
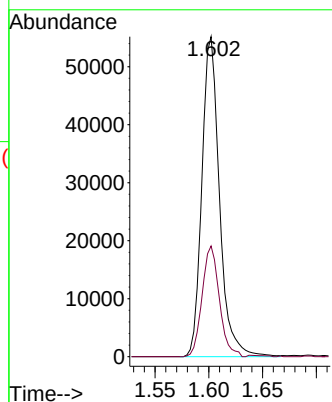
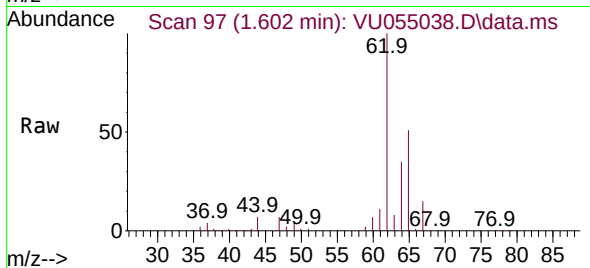
ClientSampleId :

Tgt Ion: 62 Resp: 62791

Ion Ratio Lower Upper

62 100

64 34.6 24.2 45.0



#6

Bromomethane

Concen: 4.719 ug/L

RT: 1.853 min Scan# 175

Delta R.T. 0.000 min

Lab File: VU055038.D

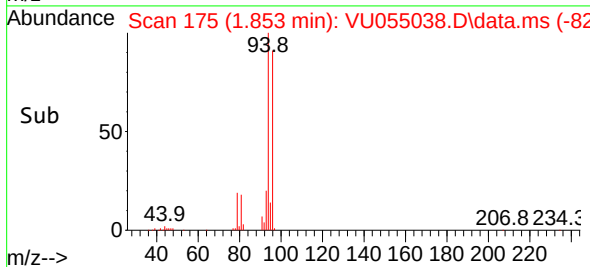
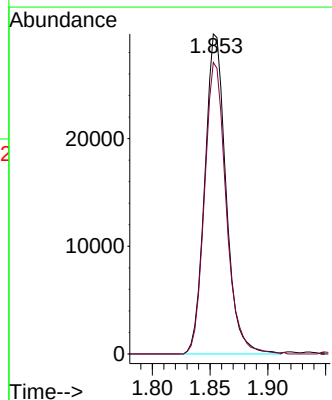
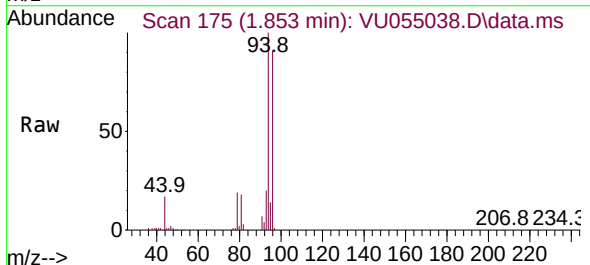
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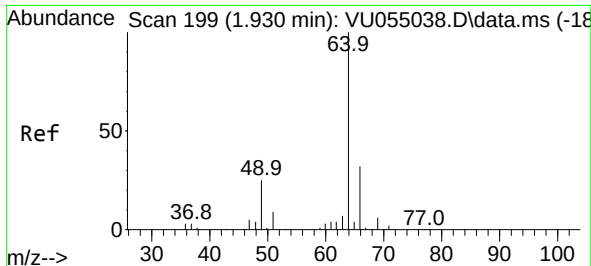
Tgt Ion: 94 Resp: 37991

Ion Ratio Lower Upper

94 100

96 91.1 63.8 118.4

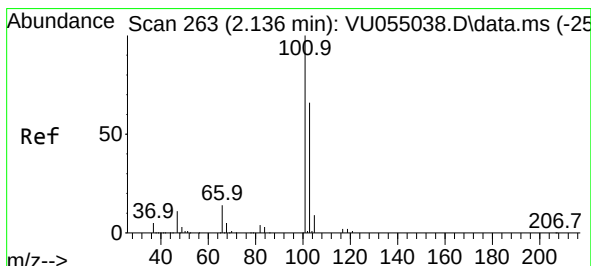
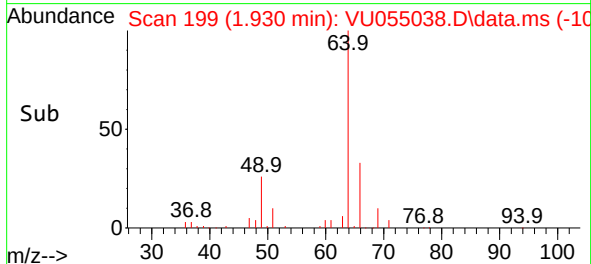
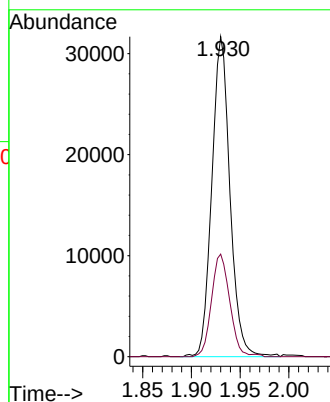
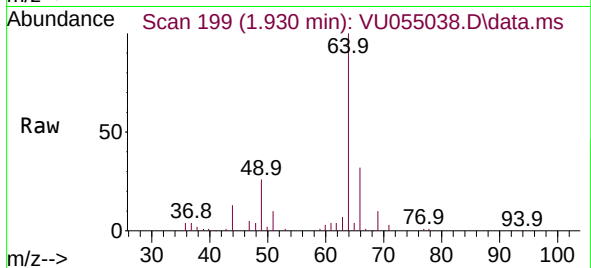




#8
Chloroethane
Concen: 4.811 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU055038.D
Acq: 01 Sep 2023 13:41

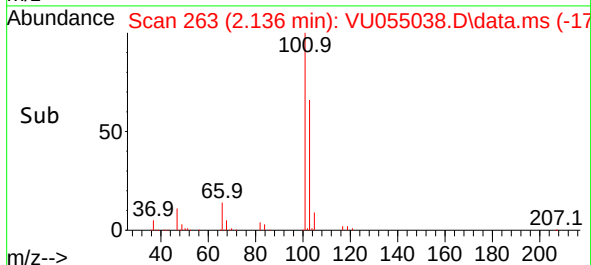
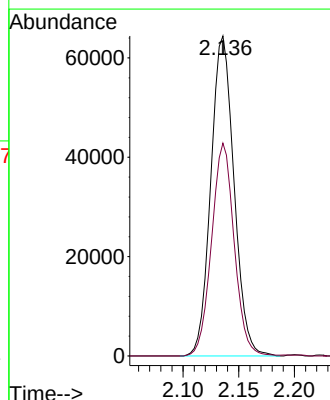
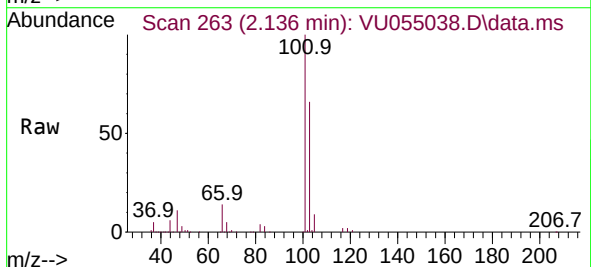
Instrument :
MSVOA_U
ClientSampleId :

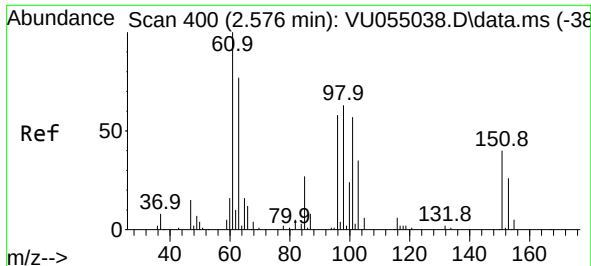
Tgt Ion: 64 Resp: 41031
Ion Ratio Lower Upper
64 100
66 32.0 22.4 41.6



#9
Trichlorofluoromethane
Concen: 5.041 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU055038.D
Acq: 01 Sep 2023 13:41

Tgt Ion:101 Resp: 93228
Ion Ratio Lower Upper
101 100
103 64.9 51.9 77.9

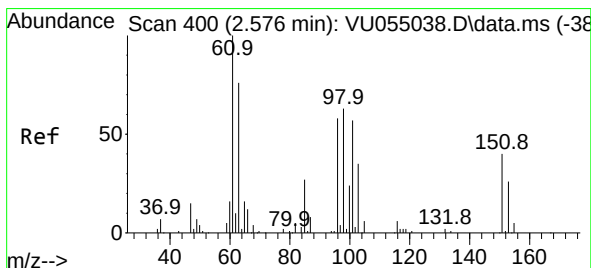
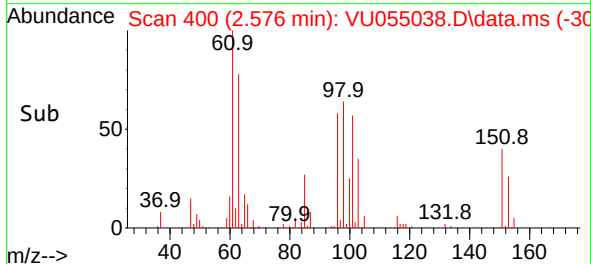
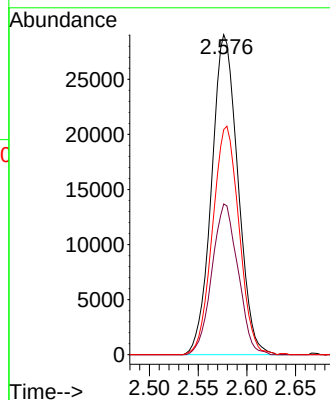
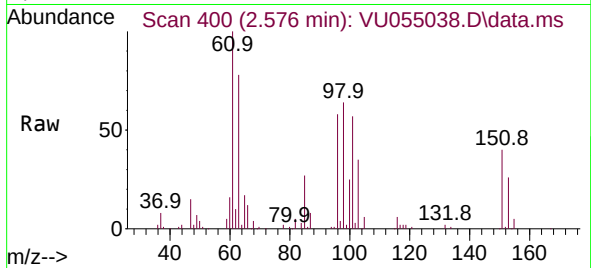




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.354 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU055038.D
 Acq: 01 Sep 2023 13:41

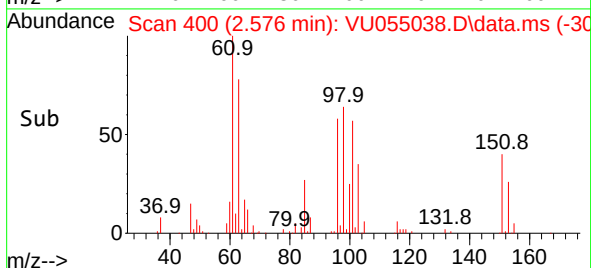
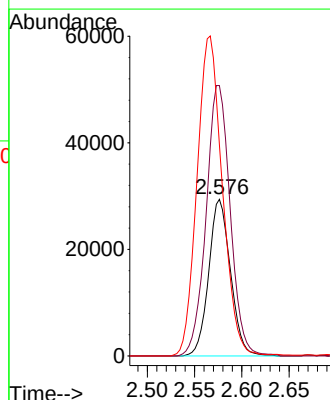
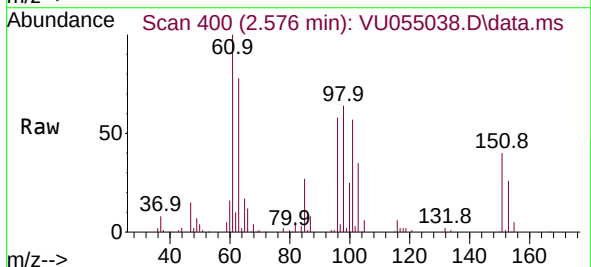
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 ClientSampleId :

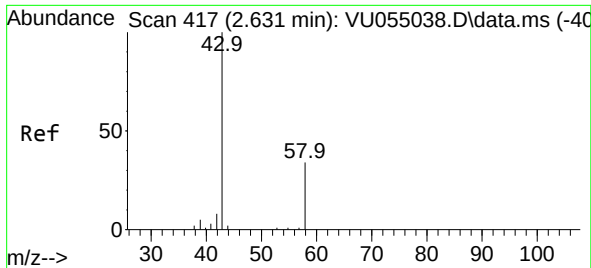
Tgt Ion:101 Resp: 54574
 Ion Ratio Lower Upper
 101 100
 85 46.6 37.3 55.9
 151 72.0 57.6 86.4



#12
 1,1-Dichloroethene
 Concen: 5.297 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU055038.D
 Acq: 01 Sep 2023 13:41

Tgt Ion: 96 Resp: 47075
 Ion Ratio Lower Upper
 96 100
 61 172.6 120.8 224.4
 63 135.0 94.5 175.5





#13

Acetone

Concen: 49.838 ug/L

RT: 2.631 min Scan# 417

Delta R.T. 0.000 min

Lab File: VU055038.D

Acq: 01 Sep 2023 13:41

Instrument :

MSVOA_U

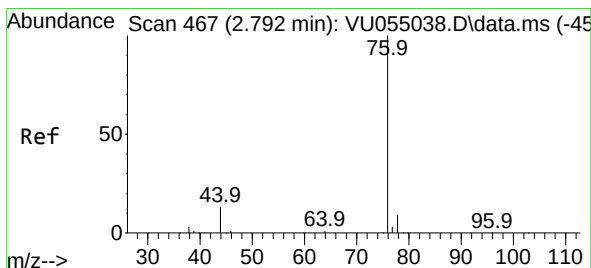
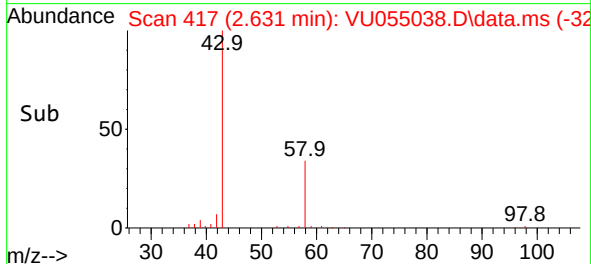
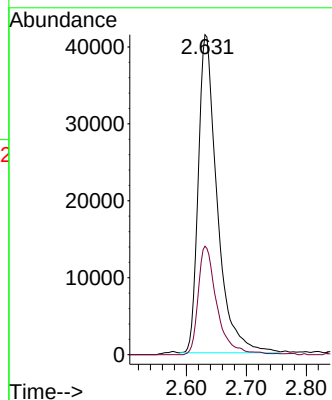
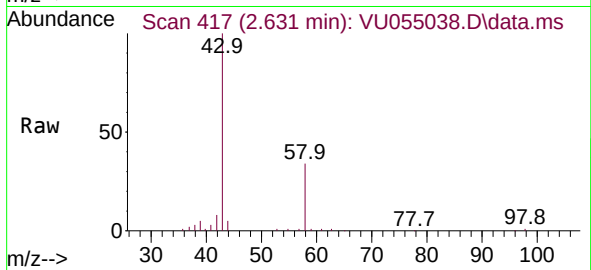
ClientSampleId :

Tgt Ion: 43 Resp: 90740

Ion Ratio Lower Upper

43 100

58 33.9 0.0 67.8



#14

Carbon disulfide

Concen: 4.738 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.000 min

Lab File: VU055038.D

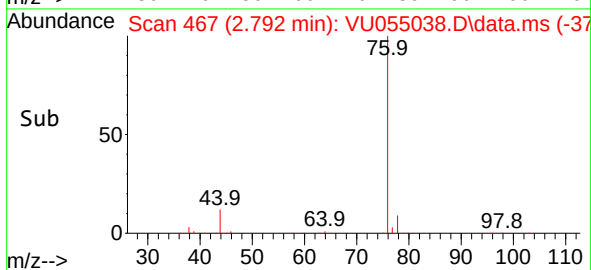
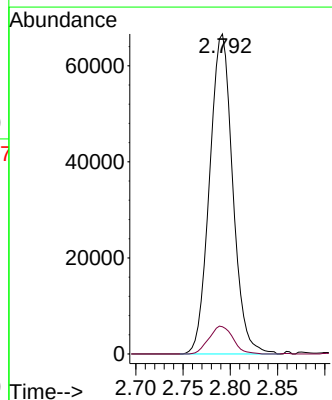
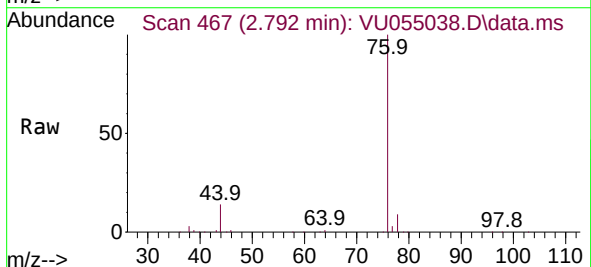
Acq: 01 Sep 2023 13:41

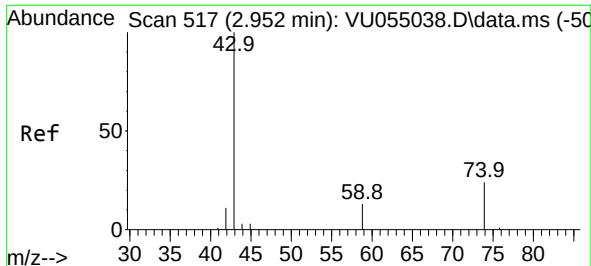
Tgt Ion: 76 Resp: 113508

Ion Ratio Lower Upper

76 100

78 8.5 6.8 10.2

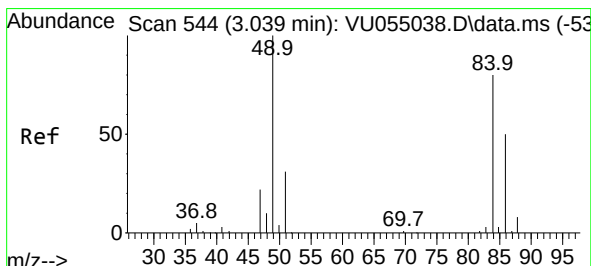
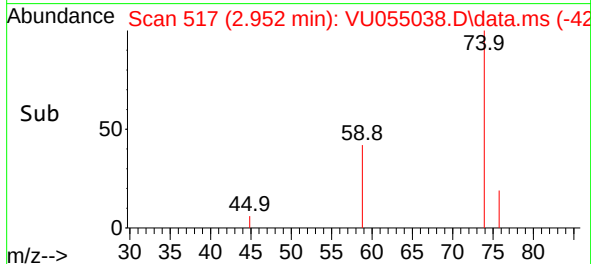
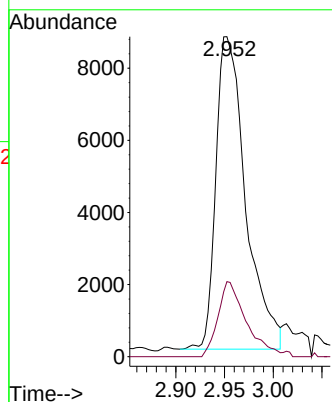
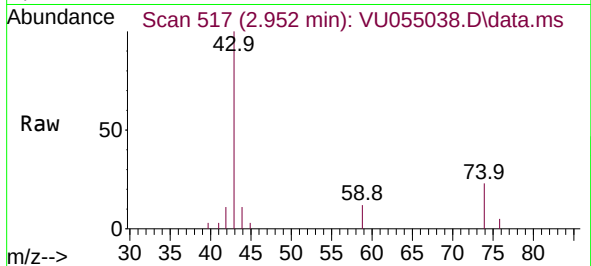




#15
Methyl Acetate
Concen: 5.017 ug/L
RT: 2.952 min Scan# 517
Delta R.T. 0.000 min
Lab File: VU055038.D
Acq: 01 Sep 2023 13:41

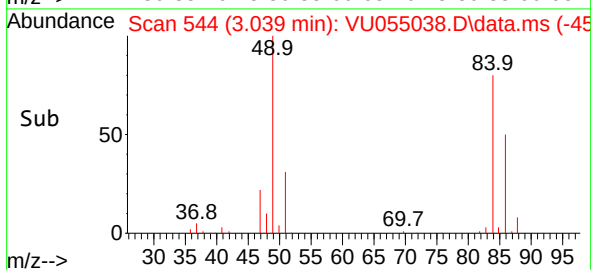
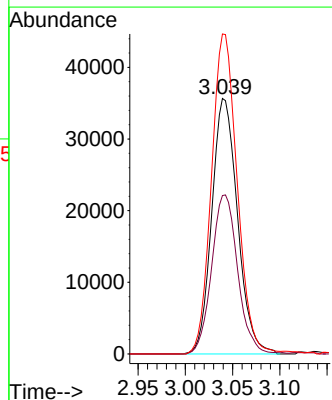
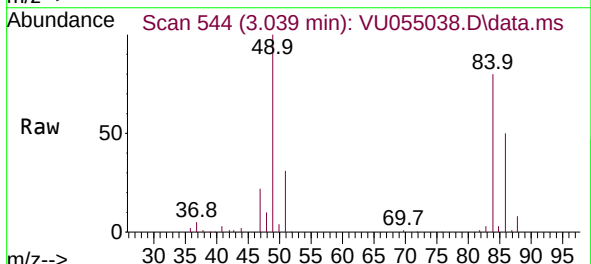
Instrument :
MSVOA_U
ClientSampleId :

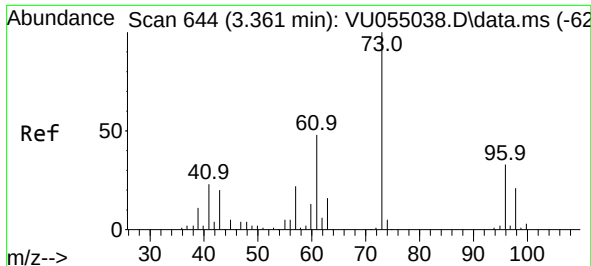
Tgt Ion: 43 Resp: 18397
Ion Ratio Lower Upper
43 100
74 23.0 18.4 27.6



#16
Methylene chloride
Concen: 4.822 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU055038.D
Acq: 01 Sep 2023 13:41

Tgt Ion: 84 Resp: 67577
Ion Ratio Lower Upper
84 100
86 62.0 43.4 80.6
49 125.3 87.7 162.9





#17

Methyl tert-butyl Ether

Concen: 4.885 ug/L

RT: 3.361 min Scan# 644

Delta R.T. 0.000 min

Lab File: VU055038.D

Acq: 01 Sep 2023 13:41

Instrument :

MSVOA_U

ClientSampleId :

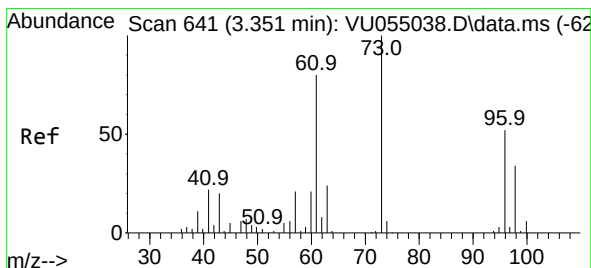
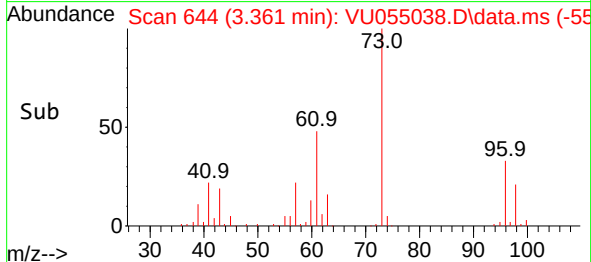
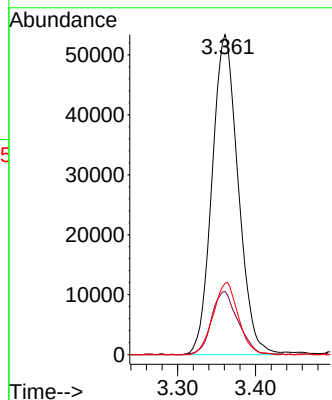
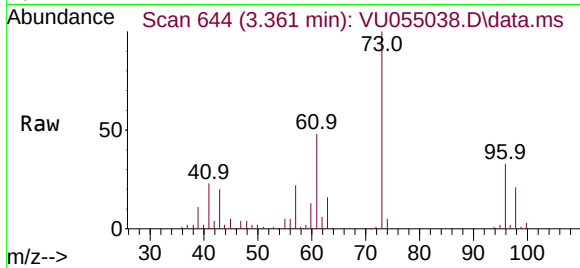
Tgt Ion: 73 Resp: 124505

Ion Ratio Lower Upper

73 100

43 20.2 16.2 24.2

57 21.8 17.4 26.2



#18

trans-1,2-Dichloroethene

Concen: 4.986 ug/L

RT: 3.351 min Scan# 641

Delta R.T. 0.000 min

Lab File: VU055038.D

Acq: 01 Sep 2023 13:41

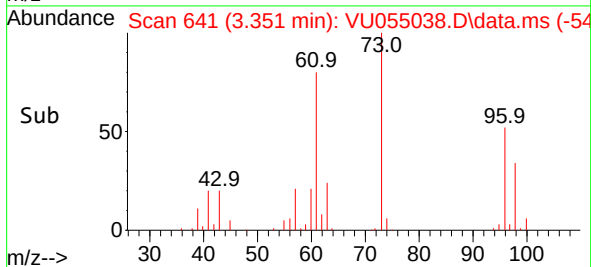
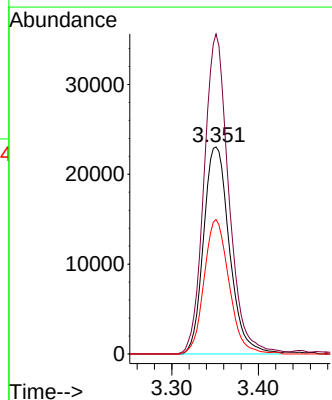
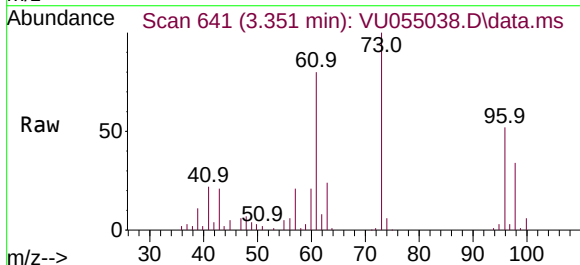
Tgt Ion: 96 Resp: 47912

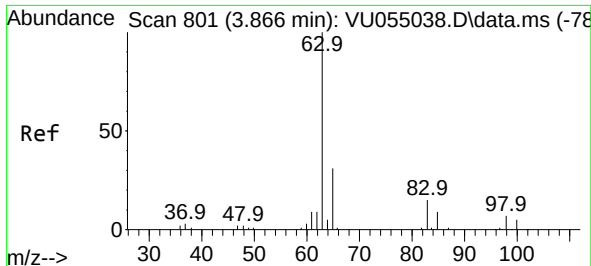
Ion Ratio Lower Upper

96 100

61 154.5 108.1 200.9

98 64.9 45.4 84.4

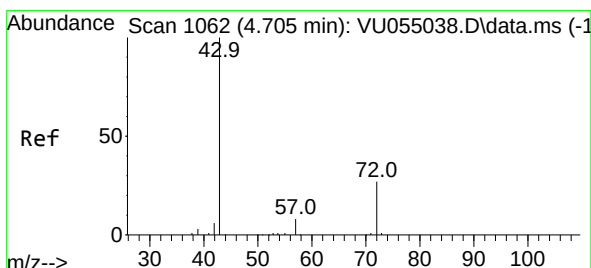
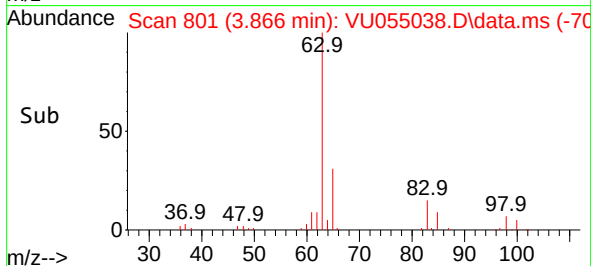
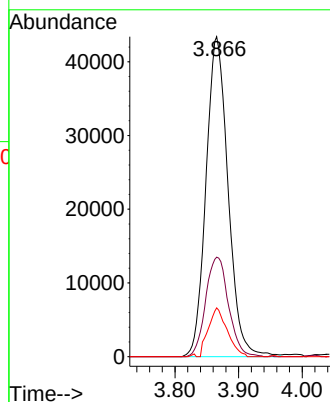
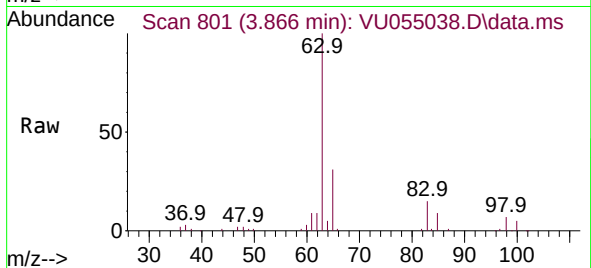




#19
1,1-Dichloroethane
Concen: 5.171 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.000 min
Lab File: VU055038.D
Acq: 01 Sep 2023 13:41

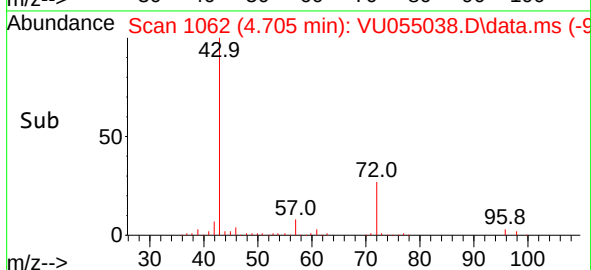
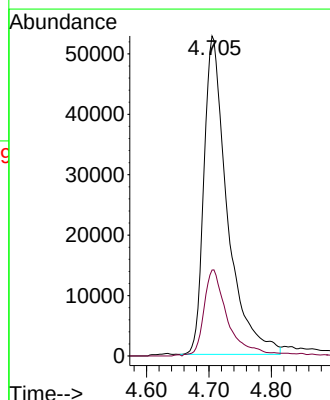
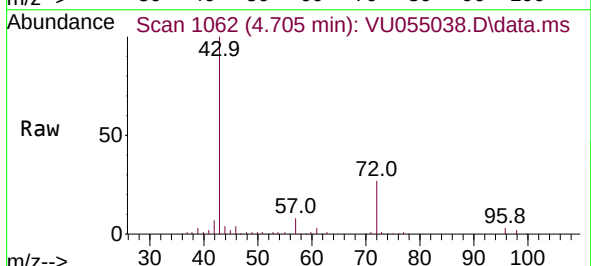
Instrument :
MSVOA_U
ClientSampleId :

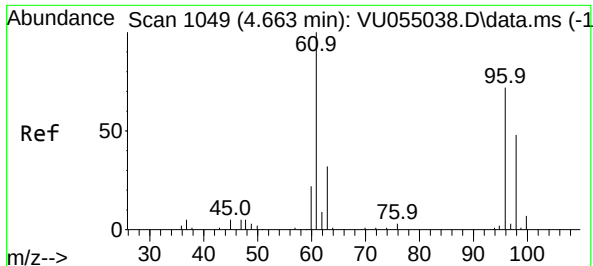
Tgt Ion: 63 Resp: 104431
Ion Ratio Lower Upper
63 100
65 31.7 22.2 41.2
83 15.2 10.6 19.8



#21
2-Butanone
Concen: 49.558 ug/L
RT: 4.705 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VU055038.D
Acq: 01 Sep 2023 13:41

Tgt Ion: 43 Resp: 137694
Ion Ratio Lower Upper
43 100
72 27.0 13.5 40.5





#22

cis-1,2-Dichloroethene

Concen: 5.079 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.000 min

Lab File: VU055038.D

Acq: 01 Sep 2023 13:41

Instrument :

MSVOA_U

ClientSampleId :

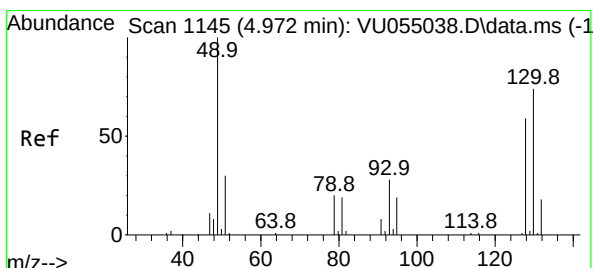
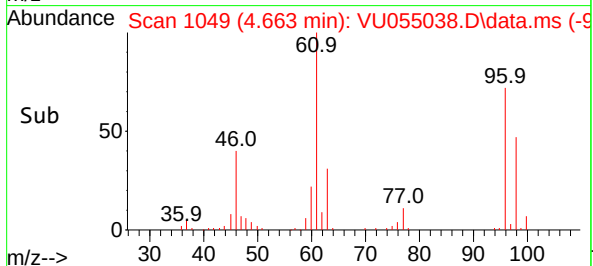
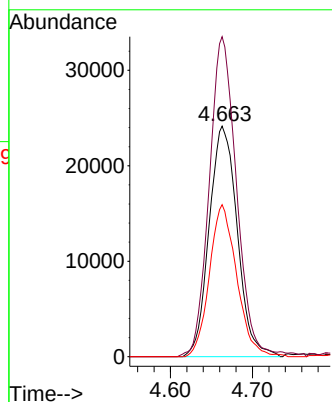
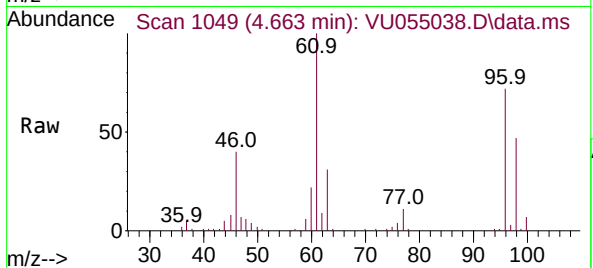
Tgt Ion: 96 Resp: 57539

Ion Ratio Lower Upper

96 100

61 138.8 97.2 180.4

98 65.9 46.1 85.7



#23

Bromochloromethane

Concen: 5.019 ug/L

RT: 4.972 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VU055038.D

Acq: 01 Sep 2023 13:41

Tgt Ion: 128 Resp: 24755

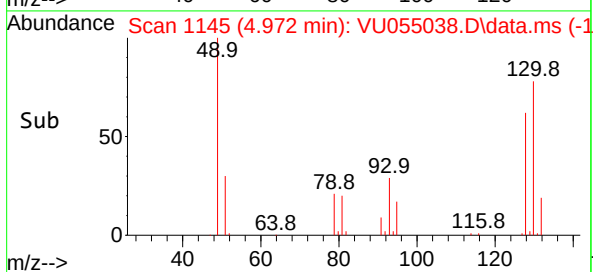
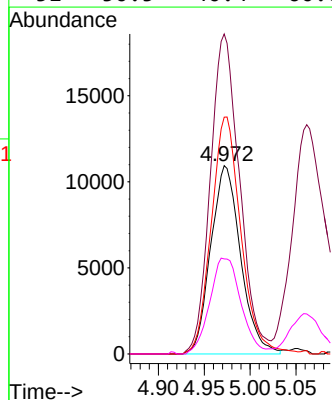
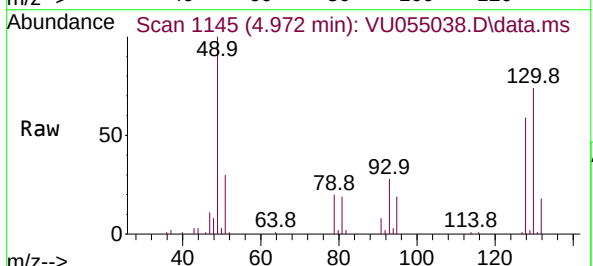
Ion Ratio Lower Upper

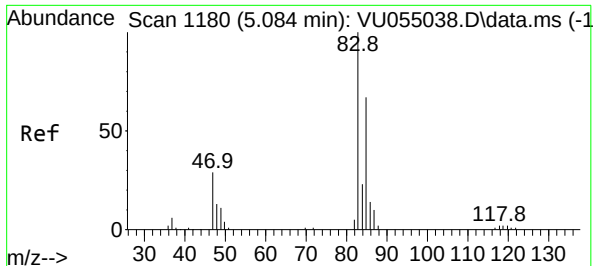
128 100

49 169.9 118.9 220.9

130 125.7 88.0 163.4

51 50.5 40.4 60.6





#25

Chloroform

Concen: 5.073 ug/L

RT: 5.084 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU055038.D

Acq: 01 Sep 2023 13:41

Instrument :

MSVOA_U

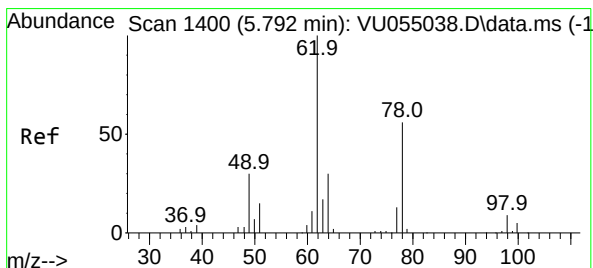
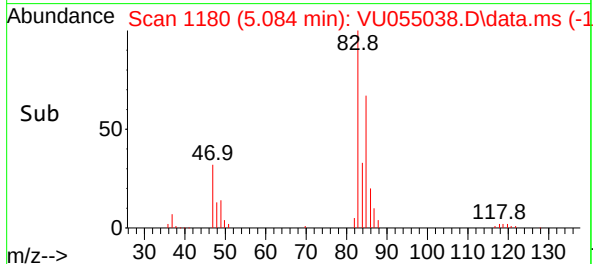
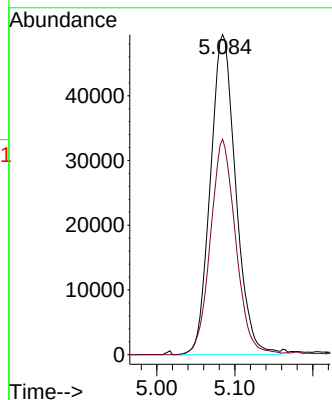
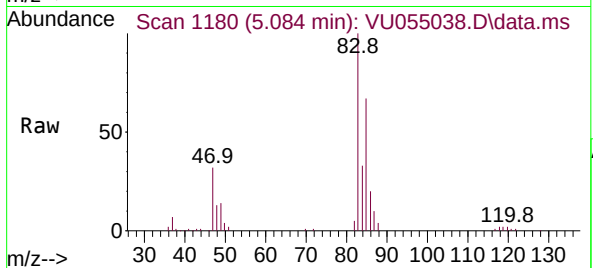
ClientSampleId :

Tgt Ion: 83 Resp: 112083

Ion Ratio Lower Upper

83 100

85 67.4 47.2 87.6



#27

1,2-Dichloroethane

Concen: 4.888 ug/L

RT: 5.792 min Scan# 1400

Delta R.T. 0.000 min

Lab File: VU055038.D

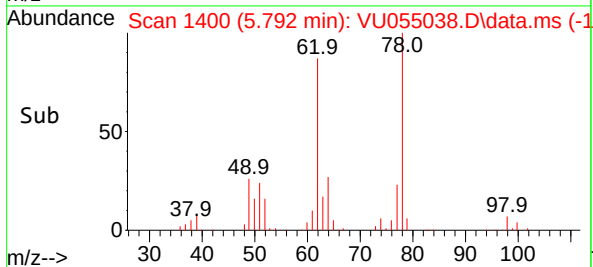
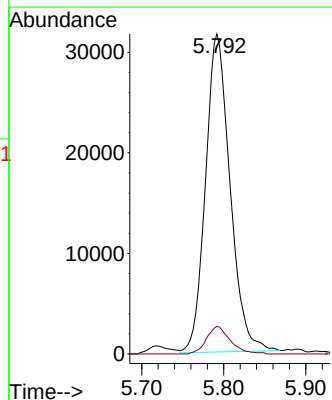
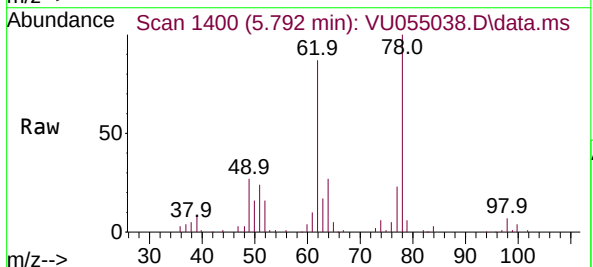
Acq: 01 Sep 2023 13:41

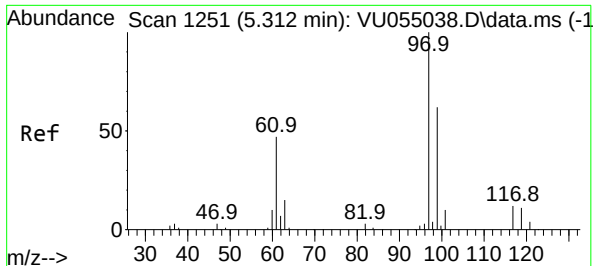
Tgt Ion: 62 Resp: 65952

Ion Ratio Lower Upper

62 100

98 8.6 6.9 10.3





#29

1,1,1-Trichloroethane

Concen: 4.736 ug/L

RT: 5.312 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VU055038.D

Acq: 01 Sep 2023 13:41

Instrument :

MSVOA_U

ClientSampleId :

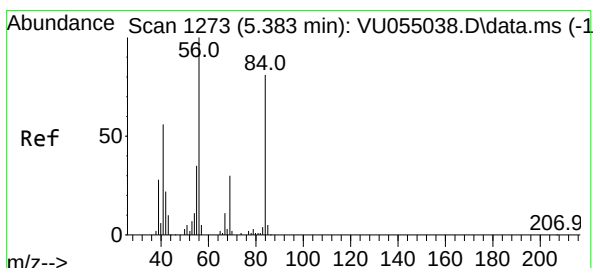
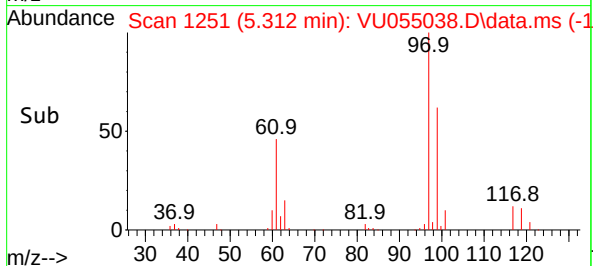
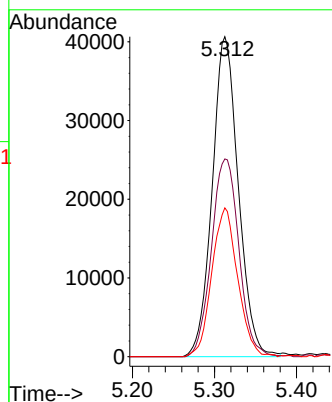
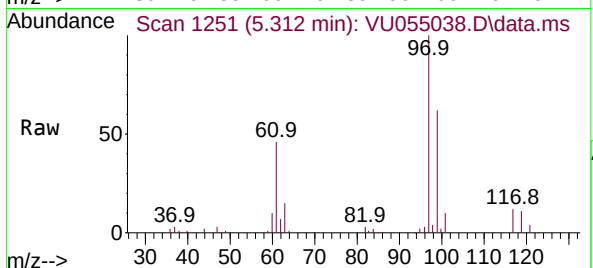
Tgt Ion: 97 Resp: 90295

Ion Ratio Lower Upper

97 100

99 64.8 51.8 77.8

61 46.0 36.8 55.2



#30

Cyclohexane

Concen: 4.753 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. 0.000 min

Lab File: VU055038.D

Acq: 01 Sep 2023 13:41

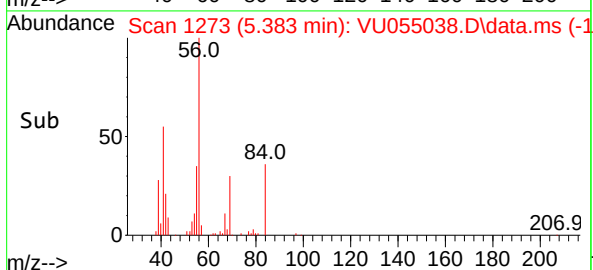
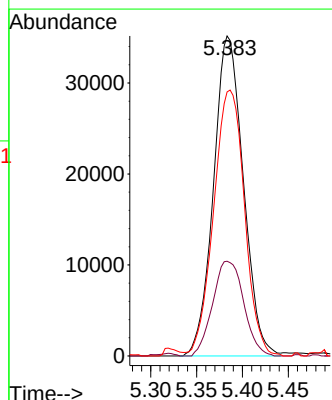
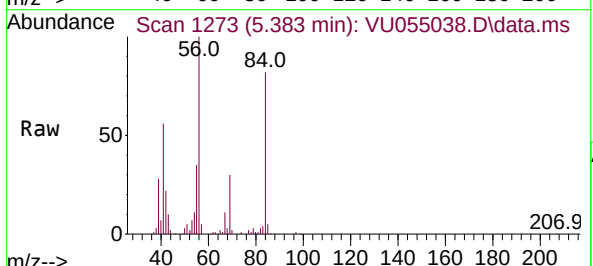
Tgt Ion: 56 Resp: 79508

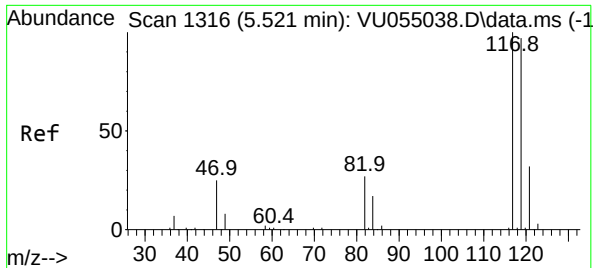
Ion Ratio Lower Upper

56 100

69 30.8 24.6 37.0

84 86.0 68.8 103.2

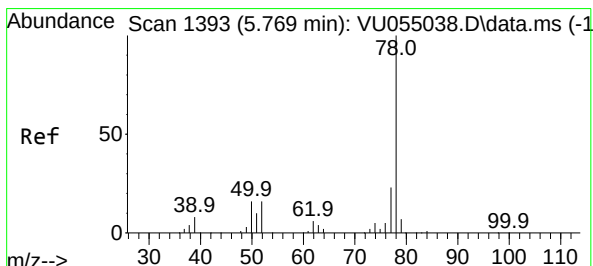
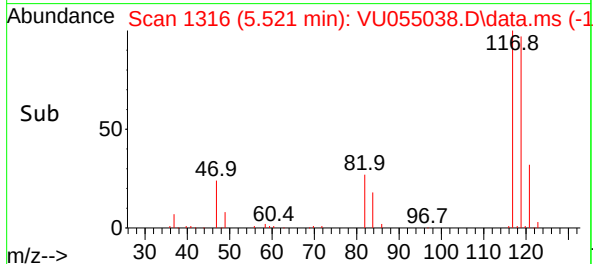
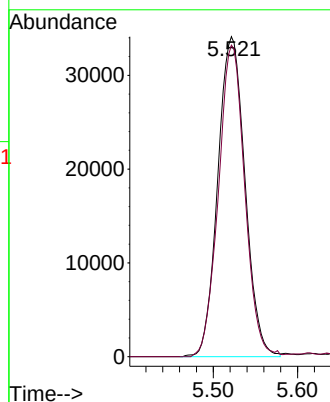
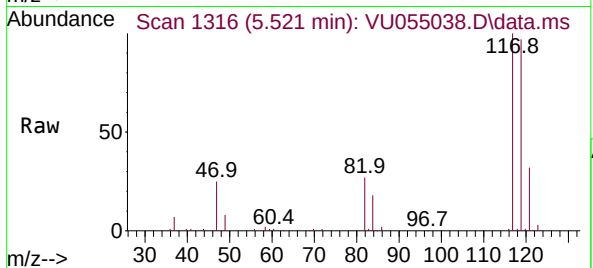




#31
Carbon tetrachloride
Concen: 4.719 ug/L
RT: 5.521 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU055038.D
Acq: 01 Sep 2023 13:41

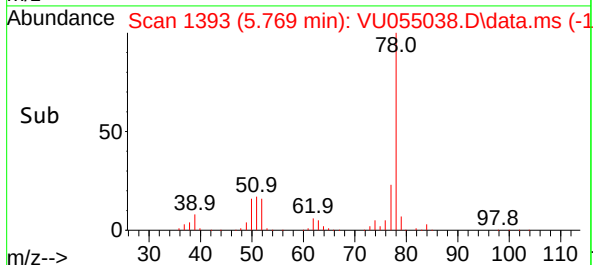
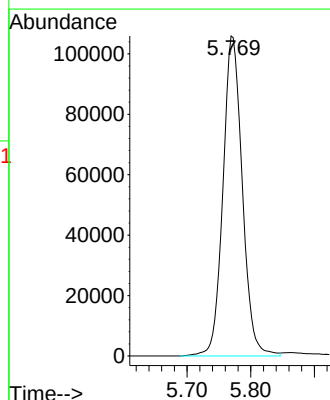
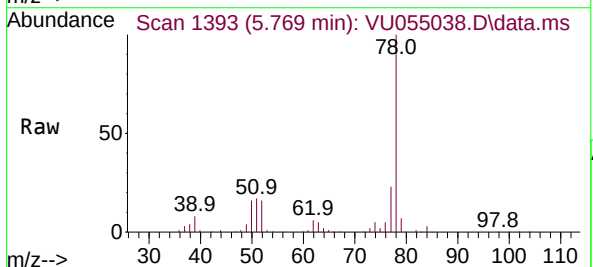
Instrument :
MSVOA_U
ClientSampleId :

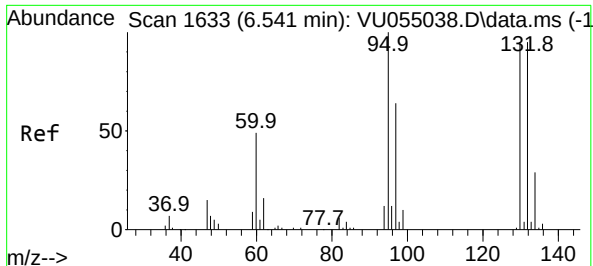
Tgt Ion:117 Resp: 76327
Ion Ratio Lower Upper
117 100
119 94.2 75.4 113.0



#33
Benzene
Concen: 4.927 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU055038.D
Acq: 01 Sep 2023 13:41

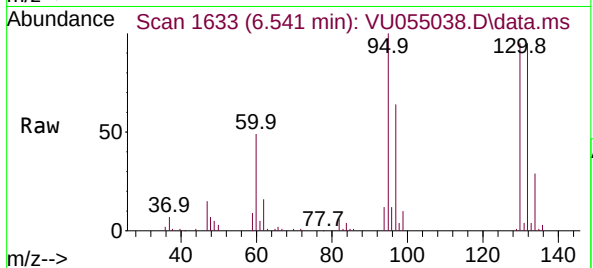
Tgt Ion: 78 Resp: 224025



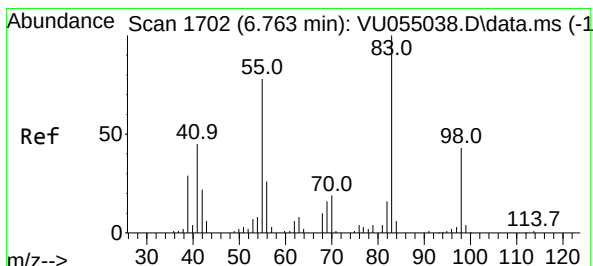
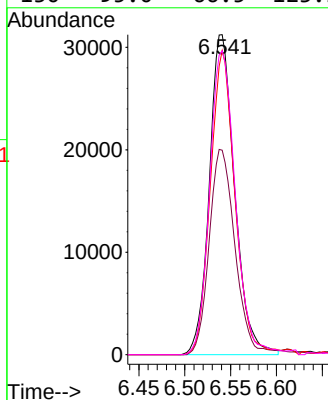
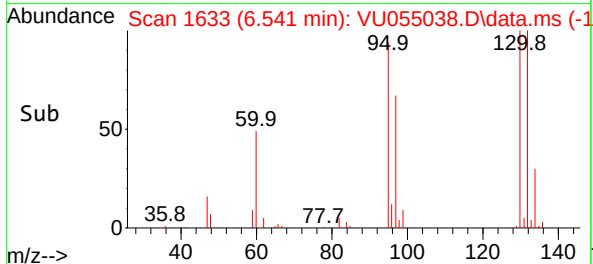


#34
Trichloroethene
Concen: 4.800 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. 0.000 min
Lab File: VU055038.D
Acq: 01 Sep 2023 13:41

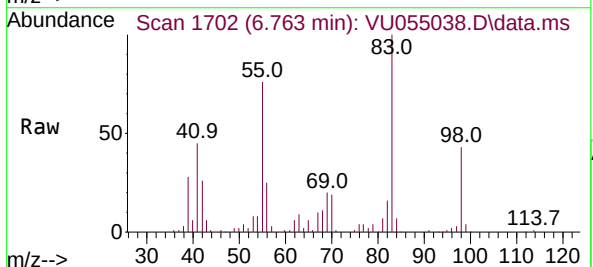
Instrument :
MSVOA_U
ClientSampleId :



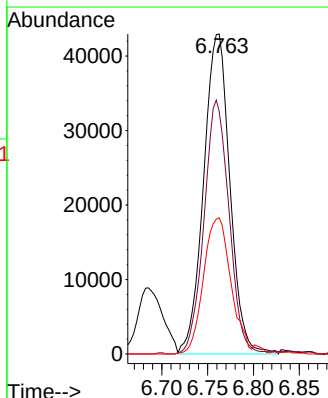
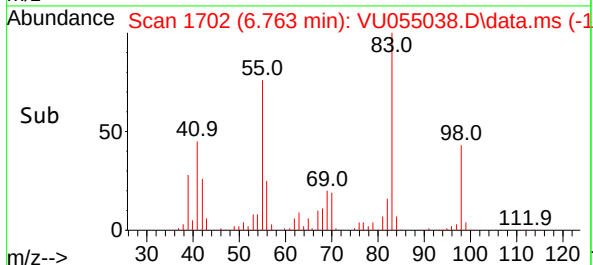
Tgt Ion: 95 Resp: 60050
Ion Ratio Lower Upper
95 100
97 63.9 44.7 83.1
132 95.1 66.6 123.6
130 95.0 66.5 123.5

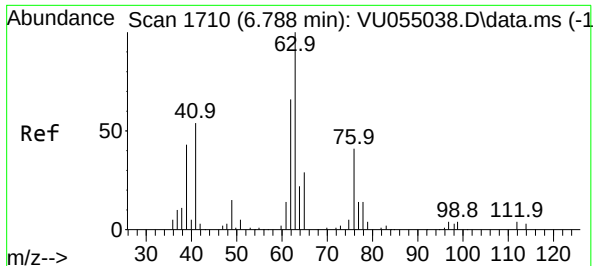


#35
Methylcyclohexane
Concen: 4.656 ug/L
RT: 6.763 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VU055038.D
Acq: 01 Sep 2023 13:41



Tgt Ion: 83 Resp: 85694
Ion Ratio Lower Upper
83 100
55 75.5 60.4 90.6
98 44.1 35.3 52.9

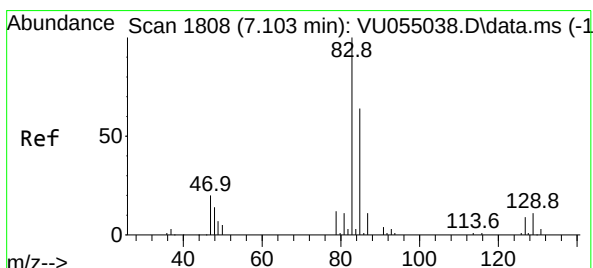
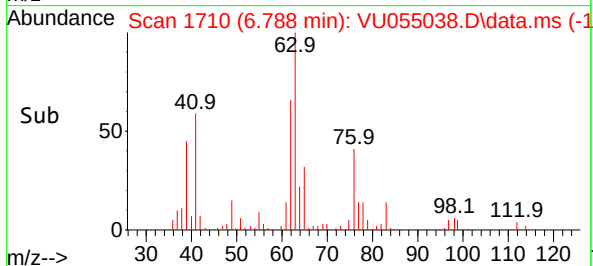
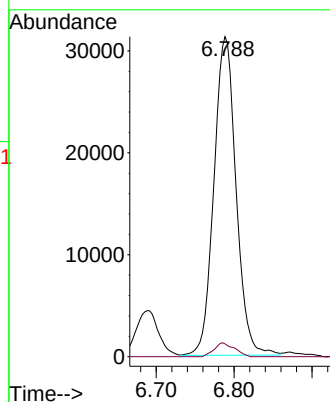
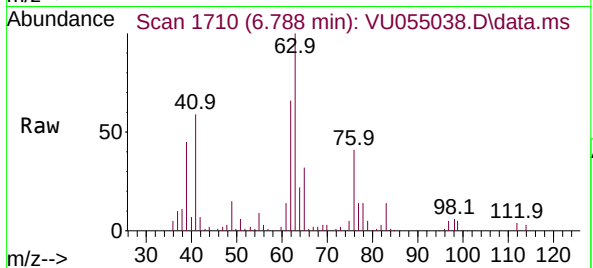




#37
1,2-Dichloropropane
Concen: 4.865 ug/L
RT: 6.788 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU055038.D
Acq: 01 Sep 2023 13:41

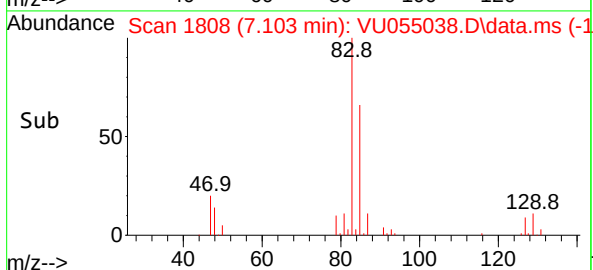
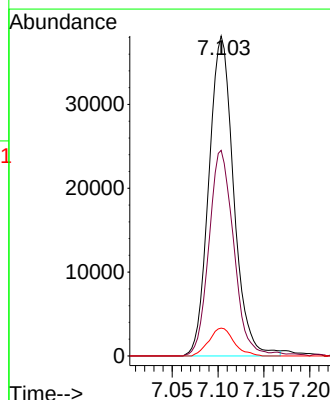
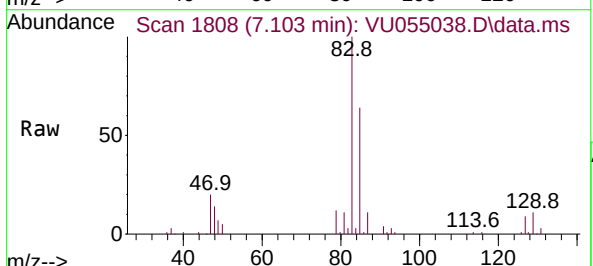
Instrument :
MSVOA_U
ClientSampleId :

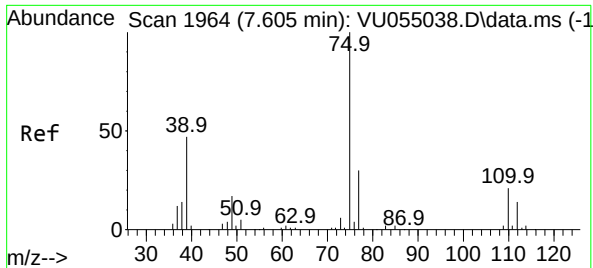
Tgt Ion: 63 Resp: 61709
Ion Ratio Lower Upper
63 100
112 4.0 3.2 4.8



#38
Bromodichloromethane
Concen: 4.615 ug/L
RT: 7.103 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VU055038.D
Acq: 01 Sep 2023 13:41

Tgt Ion: 83 Resp: 71787
Ion Ratio Lower Upper
83 100
85 64.2 44.9 83.5
127 9.8 7.8 11.8





#39

cis-1,3-Dichloropropene

Concen: 4.686 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VU055038.D

Acq: 01 Sep 2023 13:41

Instrument :

MSVOA_U

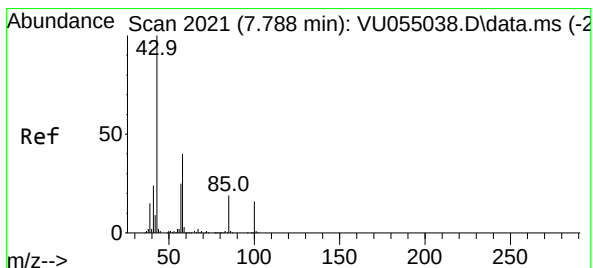
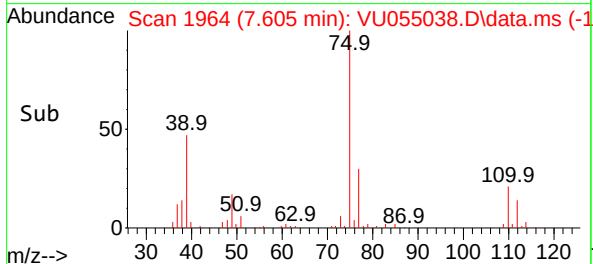
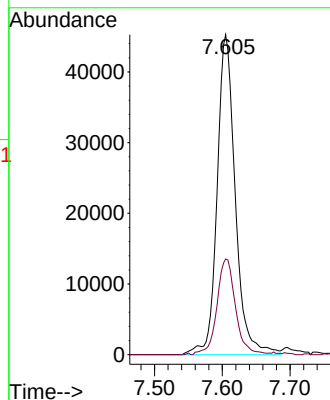
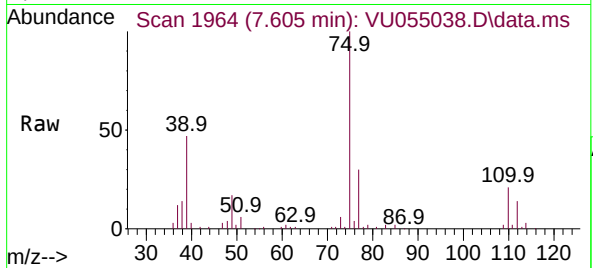
ClientSampleId :

Tgt Ion: 75 Resp: 84265

Ion Ratio Lower Upper

75 100

77 29.9 20.9 38.9



#40

4-Methyl-2-pentanone

Concen: 47.490 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.000 min

Lab File: VU055038.D

Acq: 01 Sep 2023 13:41

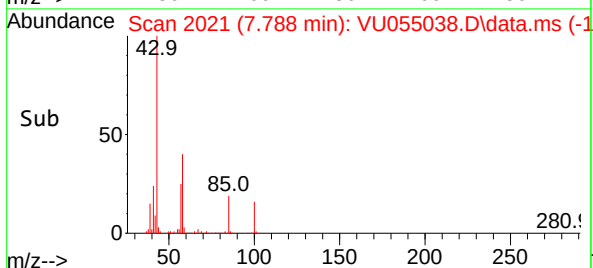
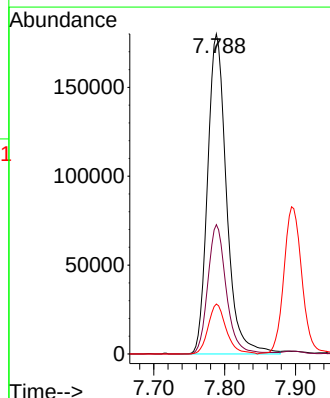
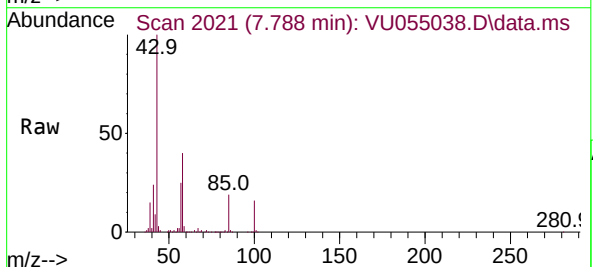
Tgt Ion: 43 Resp: 334706

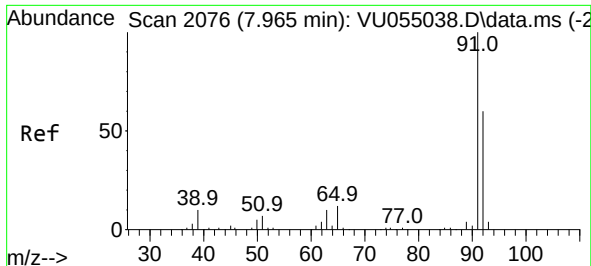
Ion Ratio Lower Upper

43 100

58 39.4 31.5 47.3

100 14.8 11.8 17.8





#42

Toluene

Concen: 4.743 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU055038.D

Acq: 01 Sep 2023 13:41

Instrument :

MSVOA_U

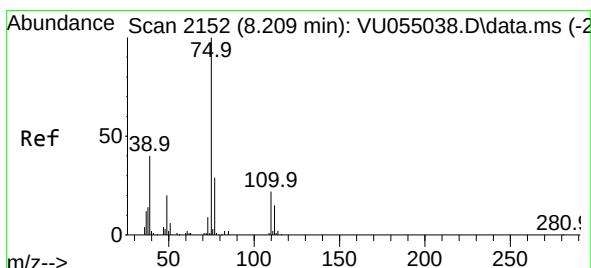
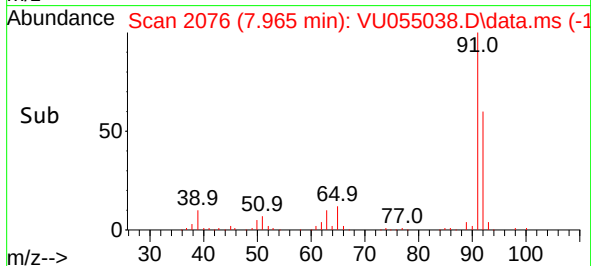
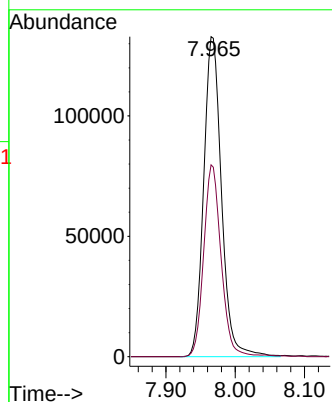
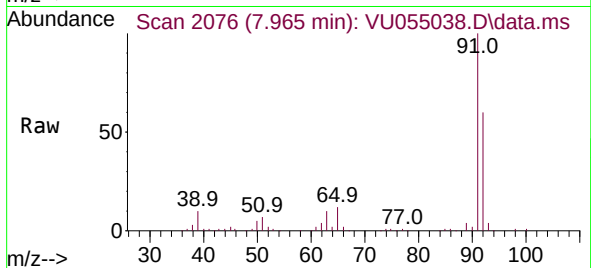
ClientSampleId :

Tgt Ion: 91 Resp: 236849

Ion Ratio Lower Upper

91 100

92 59.9 41.9 77.9



#44

trans-1,3-Dichloropropene

Concen: 4.506 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.000 min

Lab File: VU055038.D

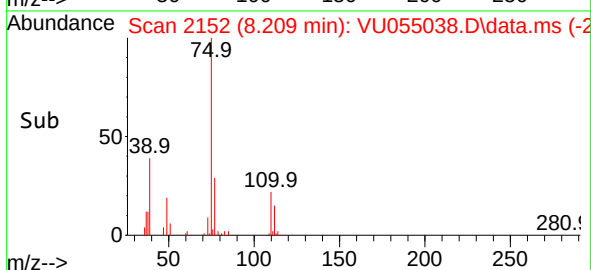
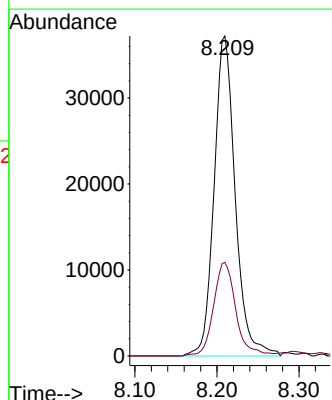
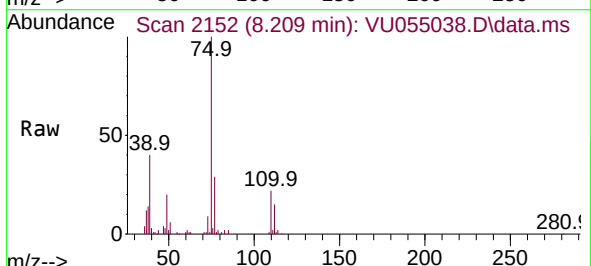
Acq: 01 Sep 2023 13:41

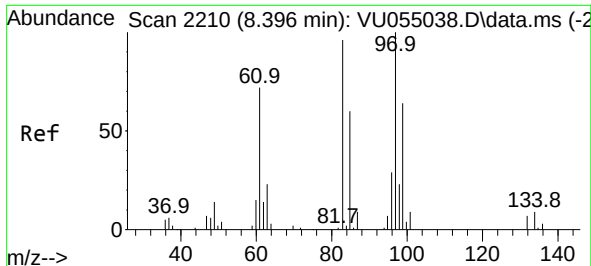
Tgt Ion: 75 Resp: 66547

Ion Ratio Lower Upper

75 100

77 29.3 20.5 38.1

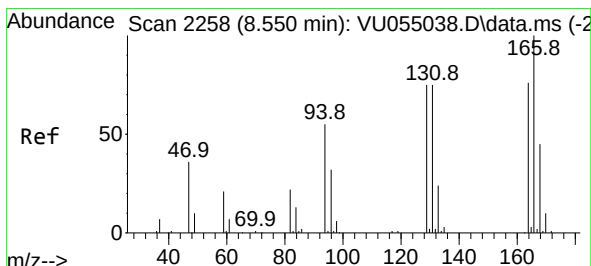
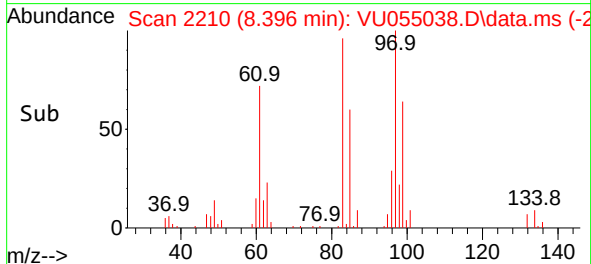
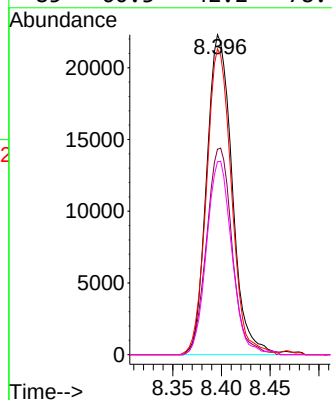
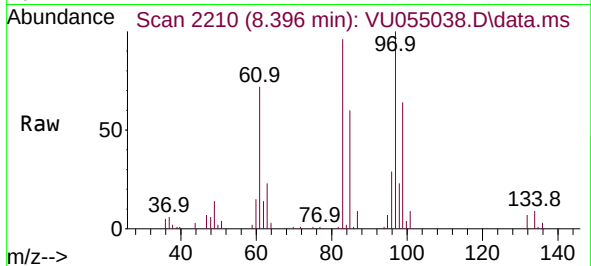




#45
1,1,2-Trichloroethane
Concen: 4.813 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. 0.000 min
Lab File: VU055038.D
Acq: 01 Sep 2023 13:41

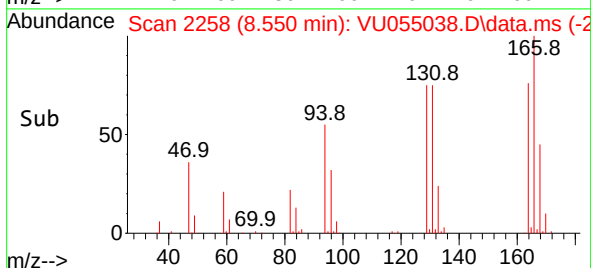
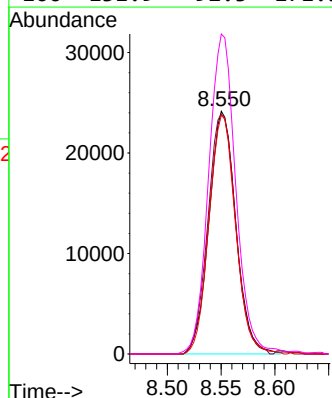
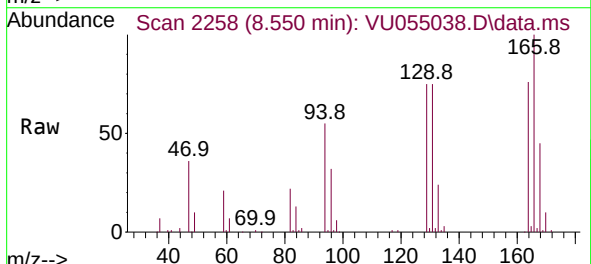
Instrument :
MSVOA_U
ClientSampleId :

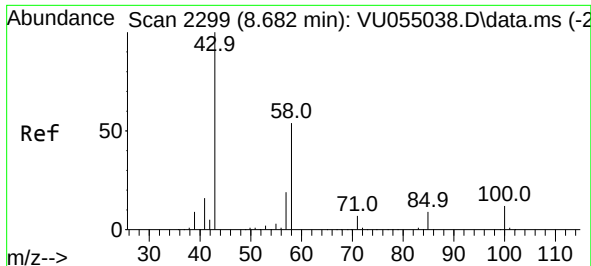
Tgt Ion:	97	Resp:	40595
Ion	Ratio	Lower	Upper
97	100		
99	64.2	44.9	83.5
83	95.6	66.9	124.3
85	60.3	42.2	78.4



#47
Tetrachloroethene
Concen: 4.682 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU055038.D
Acq: 01 Sep 2023 13:41

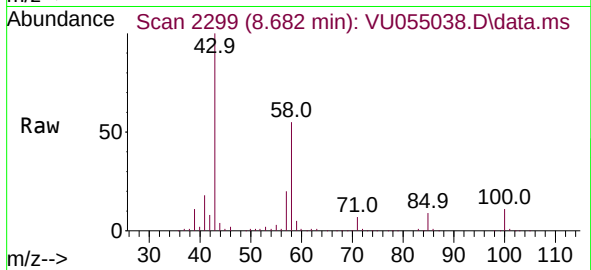
Tgt Ion:	164	Resp:	42001
Ion	Ratio	Lower	Upper
164	100		
129	98.9	69.2	128.6
131	98.3	68.8	127.8
166	131.9	92.3	171.5



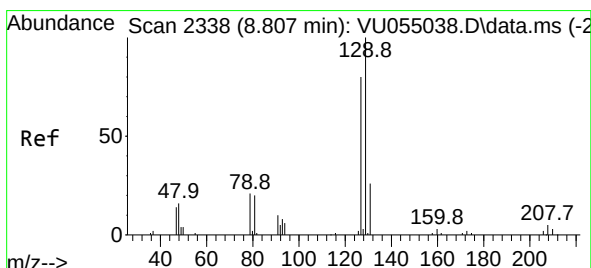
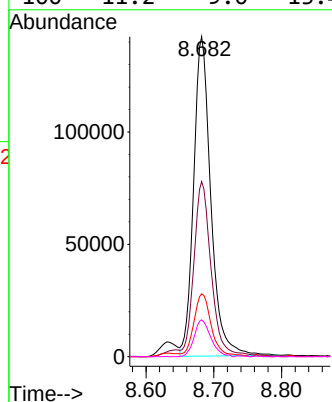
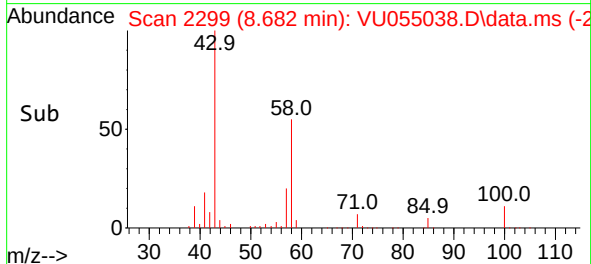


#48
2-Hexanone
Concen: 47.986 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055038.D
Acq: 01 Sep 2023 13:41

Instrument :
MSVOA_U
ClientSampleId :

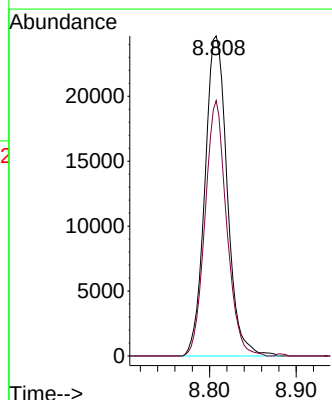
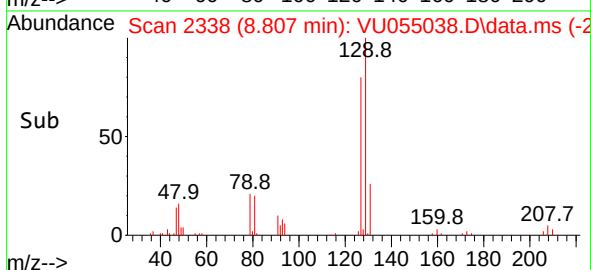
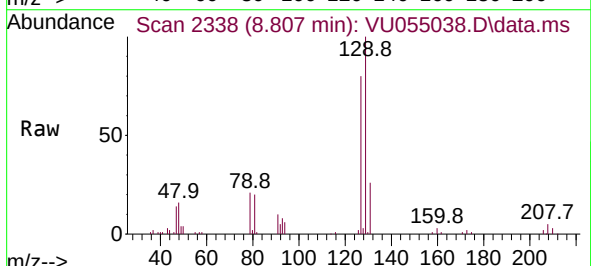


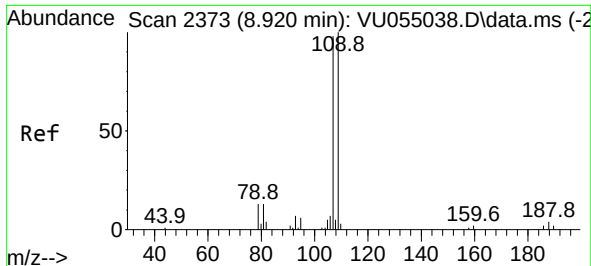
Tgt Ion: 43 Resp: 251535
Ion Ratio Lower Upper
43 100
58 55.0 44.0 66.0
57 20.2 16.2 24.2
100 11.2 9.0 13.4



#49
Dibromochloromethane
Concen: 4.488 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.000 min
Lab File: VU055038.D
Acq: 01 Sep 2023 13:41

Tgt Ion: 129 Resp: 44118
Ion Ratio Lower Upper
129 100
127 79.8 55.9 103.7





#50

1,2-Dibromoethane

Concen: 4.644 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU055038.D

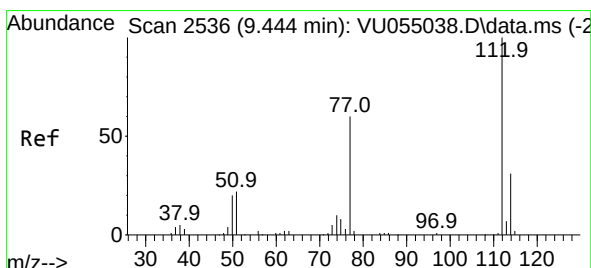
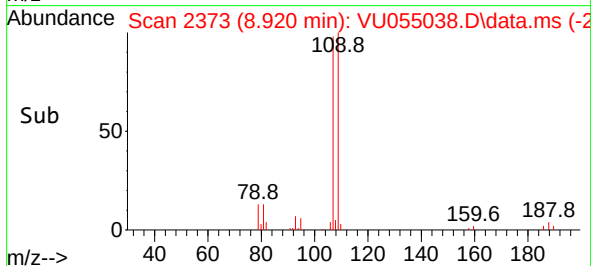
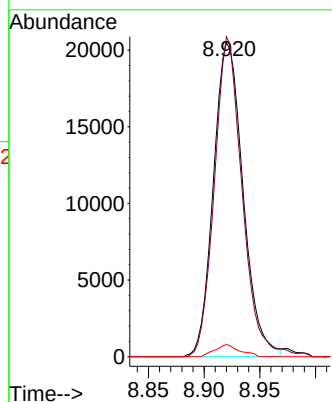
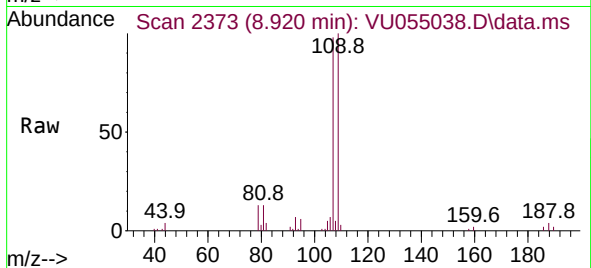
Acq: 01 Sep 2023 13:41

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	107	Resp:	37802
Ion	Ratio	Lower	Upper
107	100		
109	102.0	71.4	132.6
188	3.9	3.1	4.7



#51

Chlorobenzene

Concen: 4.714 ug/L

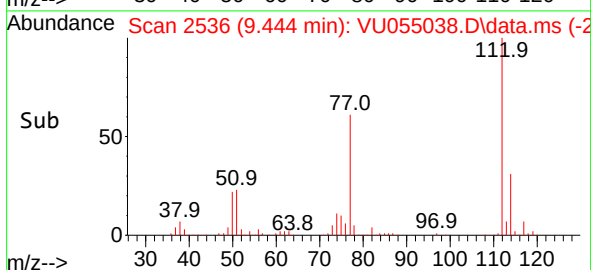
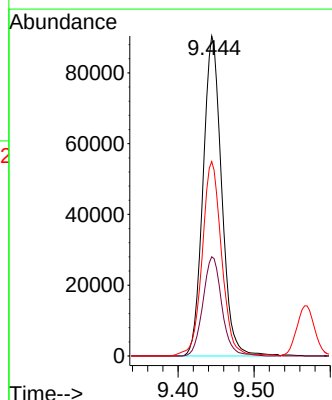
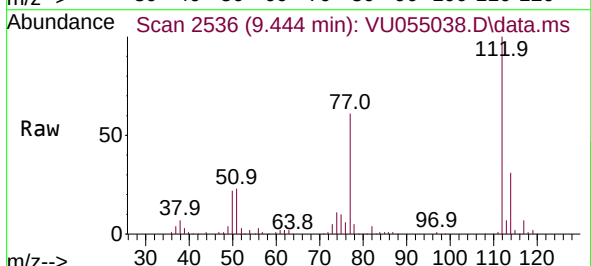
RT: 9.444 min Scan# 2536

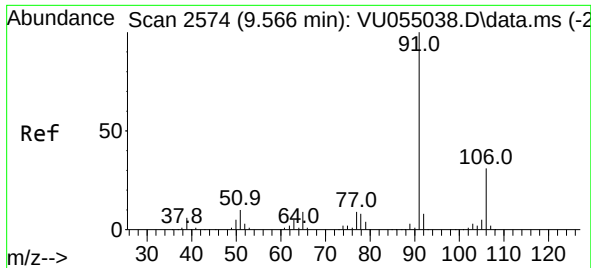
Delta R.T. 0.000 min

Lab File: VU055038.D

Acq: 01 Sep 2023 13:41

Tgt Ion:	112	Resp:	153889
Ion	Ratio	Lower	Upper
112	100		
114	31.0	21.7	40.3
77	60.7	48.6	72.8

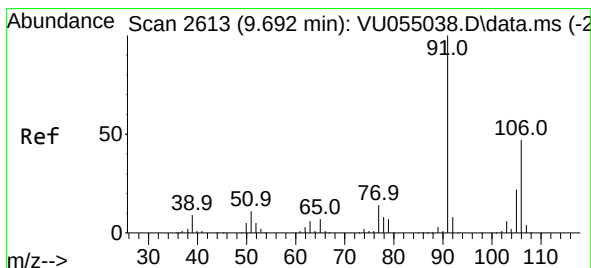
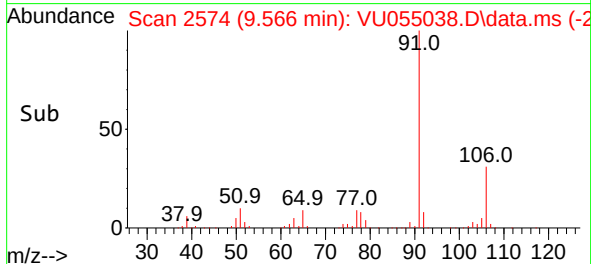
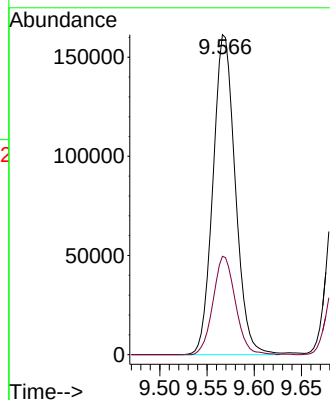
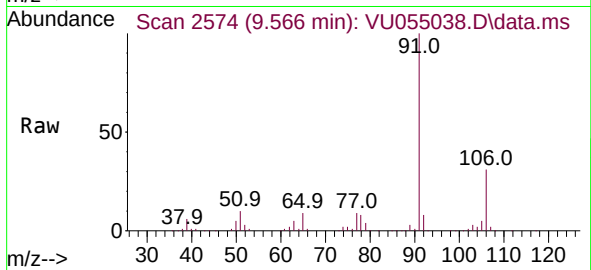




#52
Ethylbenzene
Concen: 4.713 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055038.D
Acq: 01 Sep 2023 13:41

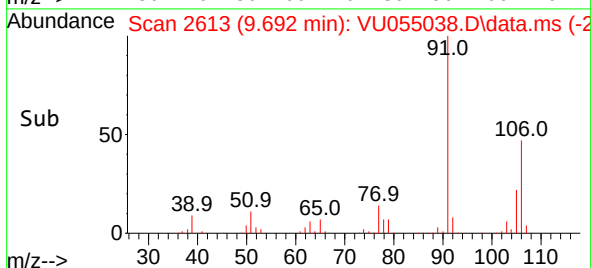
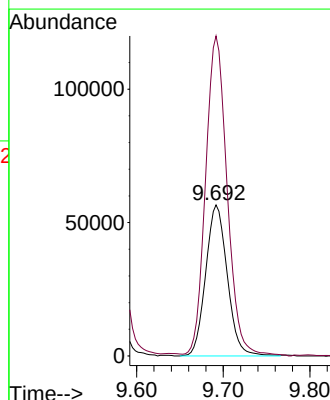
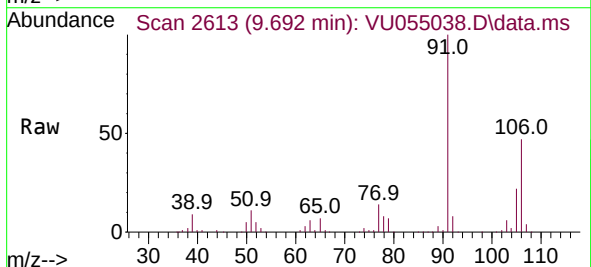
Instrument :
MSVOA_U
ClientSampleId :

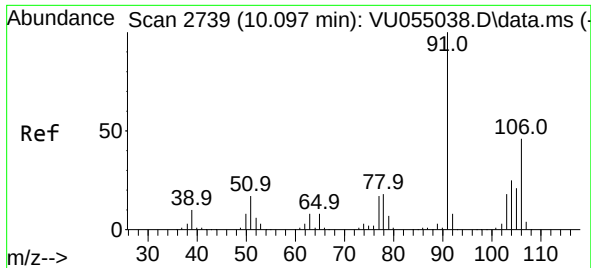
Tgt Ion: 91 Resp: 264815
Ion Ratio Lower Upper
91 100
106 30.7 21.5 39.9



#53
m,p-Xylene
Concen: 4.668 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU055038.D
Acq: 01 Sep 2023 13:41

Tgt Ion: 106 Resp: 98170
Ion Ratio Lower Upper
106 100
91 211.9 148.3 275.5

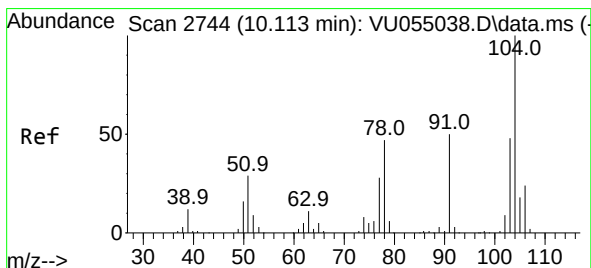
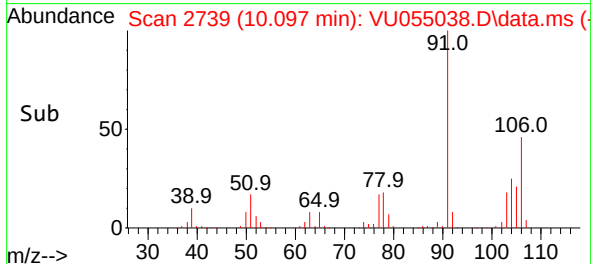
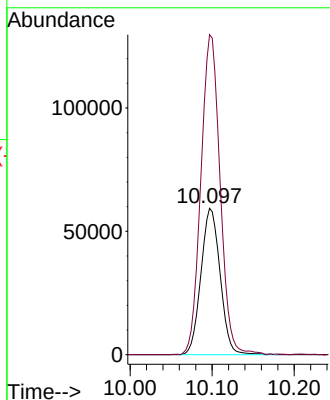
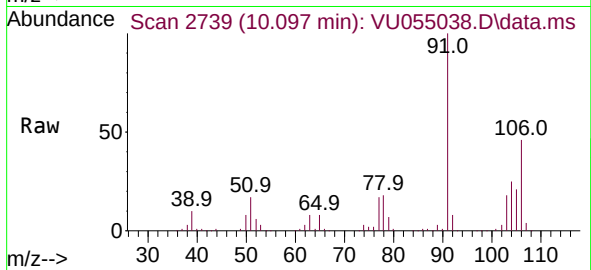




#54
o-Xylene
Concen: 4.763 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.000 min
Lab File: VU055038.D
Acq: 01 Sep 2023 13:41

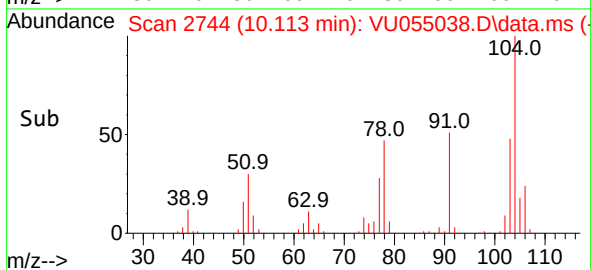
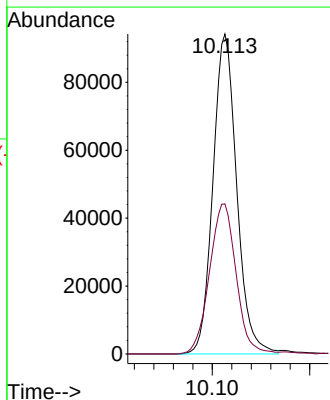
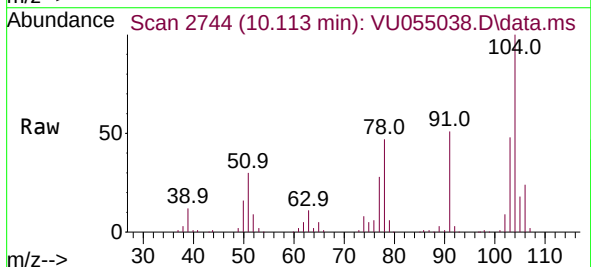
Instrument :
MSVOA_U
ClientSampleId :

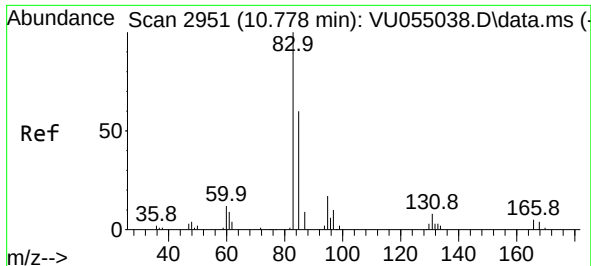
Tgt Ion:106 Resp: 96536
Ion Ratio Lower Upper
106 100
91 218.5 152.9 284.1



#55
Styrene
Concen: 4.794 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.000 min
Lab File: VU055038.D
Acq: 01 Sep 2023 13:41

Tgt Ion:104 Resp: 159687
Ion Ratio Lower Upper
104 100
78 46.9 32.8 61.0





#57

1,1,2,2-Tetrachloroethane

Concen: 4.913 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. 0.000 min

Lab File: VU055038.D

Acq: 01 Sep 2023 13:41

Instrument :

MSVOA_U

ClientSampleId :

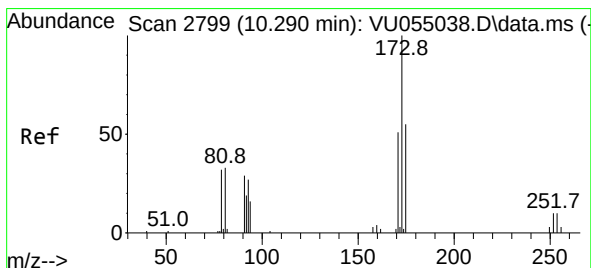
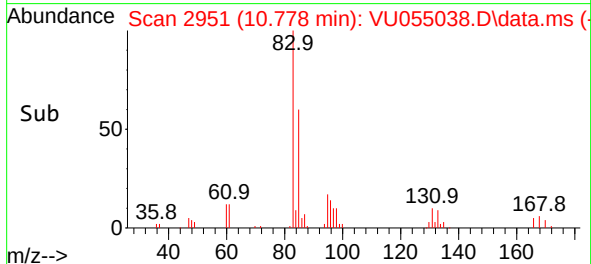
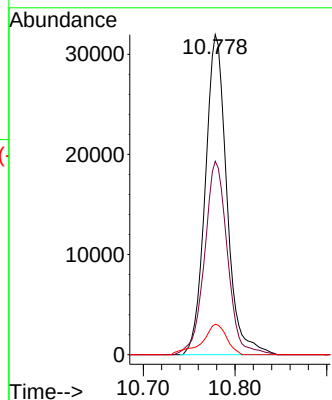
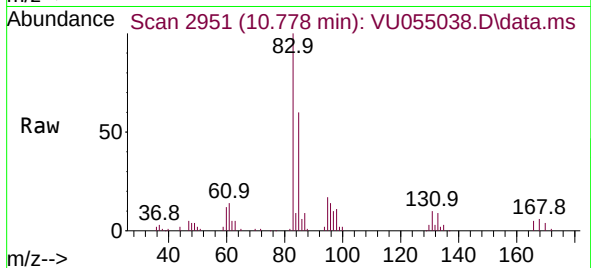
Tgt Ion: 83 Resp: 52175

Ion Ratio Lower Upper

83 100

85 60.5 42.4 78.6

131 9.5 7.6 11.4



#59

Bromoform

Concen: 4.288 ug/L

RT: 10.290 min Scan# 2799

Delta R.T. 0.000 min

Lab File: VU055038.D

Acq: 01 Sep 2023 13:41

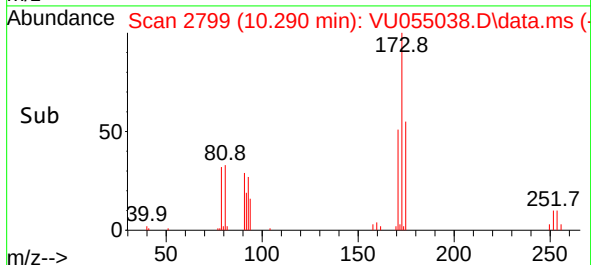
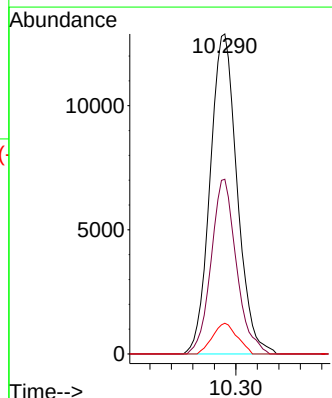
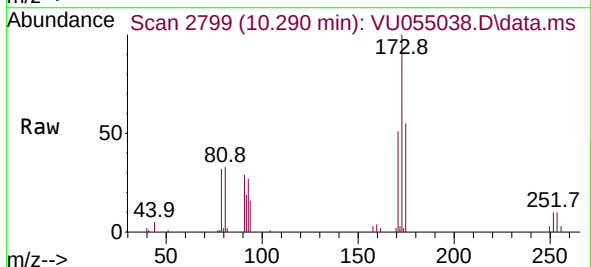
Tgt Ion: 173 Resp: 22472

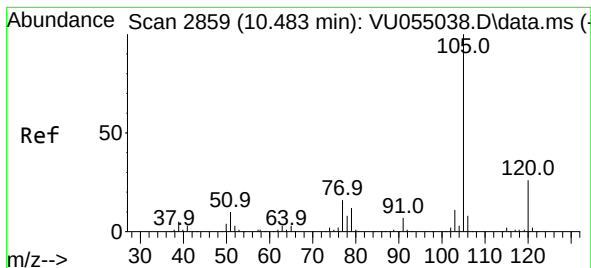
Ion Ratio Lower Upper

173 100

175 51.1 40.9 61.3

254 8.7 7.0 10.4





#60

Isopropylbenzene

Concen: 4.690 ug/L

RT: 10.483 min Scan# 2859

Delta R.T. 0.000 min

Lab File: VU055038.D

Acq: 01 Sep 2023 13:41

Instrument :

MSVOA_U

ClientSampleId :

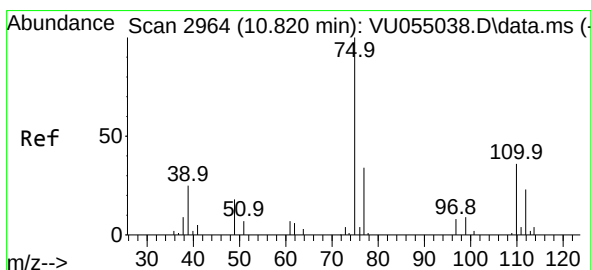
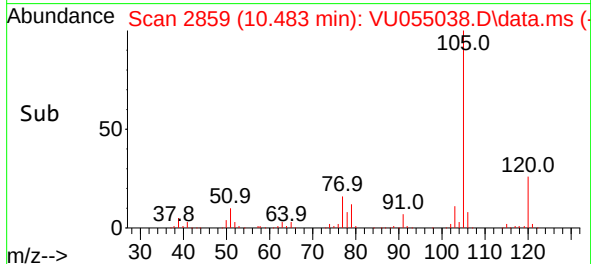
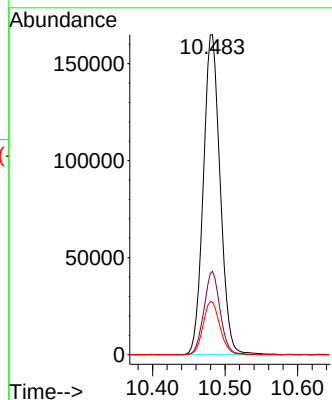
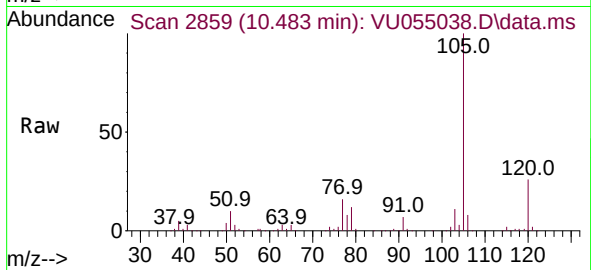
Tgt Ion:105 Resp: 265822

Ion Ratio Lower Upper

105 100

120 25.1 20.1 30.1

77 16.7 13.4 20.0



#61

1,2,3-Trichloropropane

Concen: 4.705 ug/L

RT: 10.820 min Scan# 2964

Delta R.T. 0.000 min

Lab File: VU055038.D

Acq: 01 Sep 2023 13:41

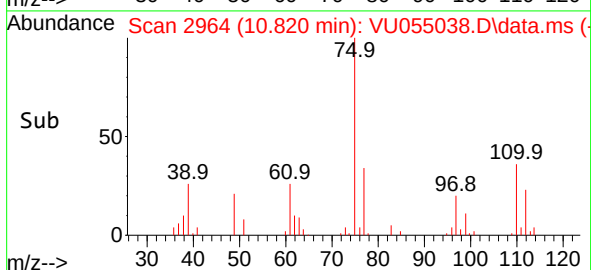
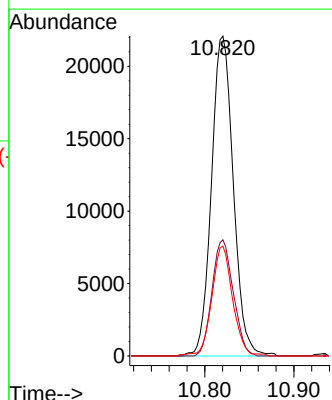
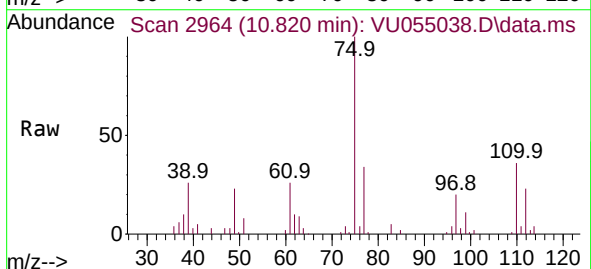
Tgt Ion: 75 Resp: 37581

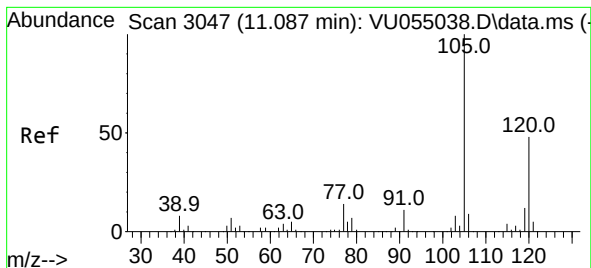
Ion Ratio Lower Upper

75 100

110 35.2 28.2 42.2

77 32.8 26.2 39.4





#62

1,3,5-Trimethylbenzene

Concen: 4.532 ug/L

RT: 11.087 min Scan# 3047

Delta R.T. 0.000 min

Lab File: VU055038.D

Acq: 01 Sep 2023 13:41

Instrument :

MSVOA_U

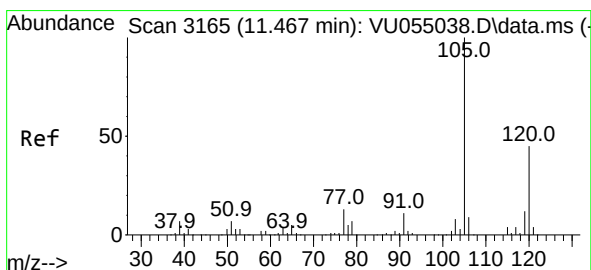
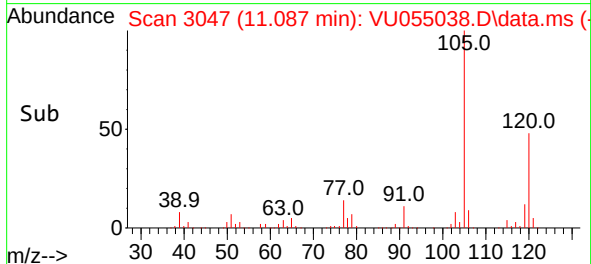
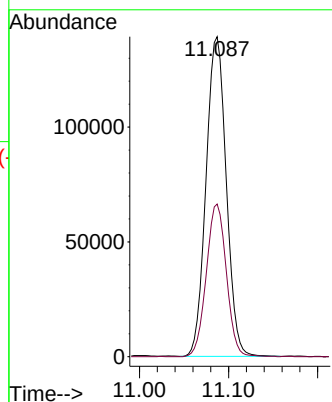
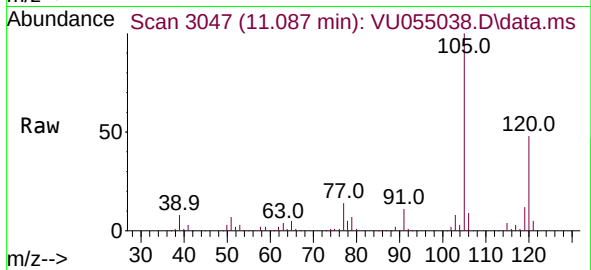
ClientSampleId :

Tgt Ion:105 Resp: 219103

Ion Ratio Lower Upper

105 100

120 47.4 37.9 56.9



#63

1,2,4-Trimethylbenzene

Concen: 4.598 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.000 min

Lab File: VU055038.D

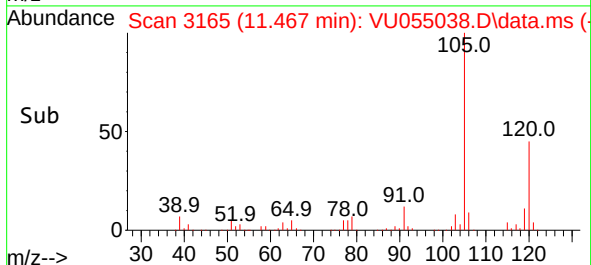
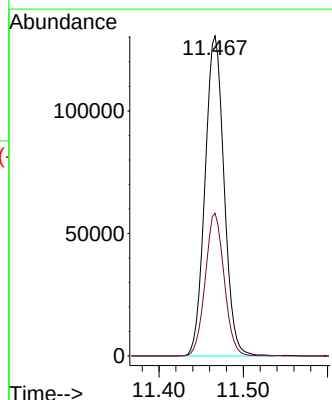
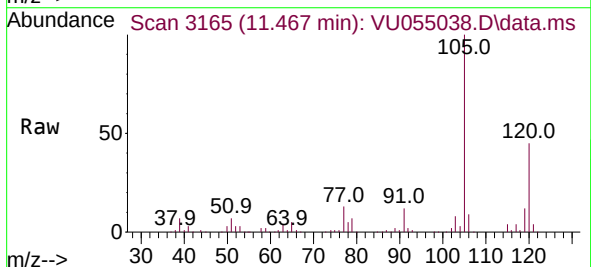
Acq: 01 Sep 2023 13:41

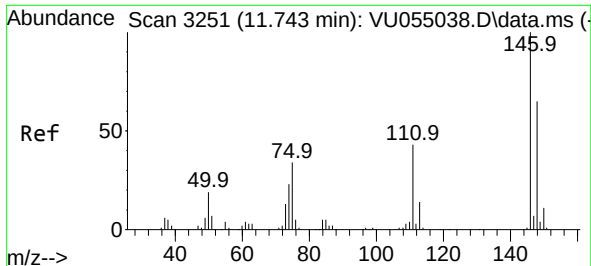
Tgt Ion:105 Resp: 205884

Ion Ratio Lower Upper

105 100

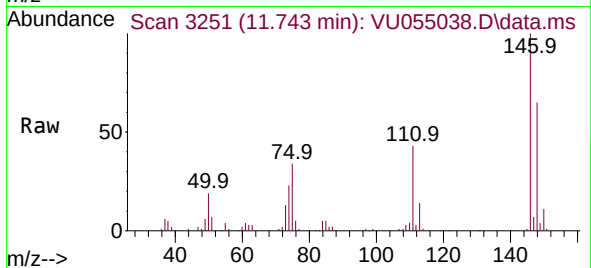
120 44.2 35.4 53.0



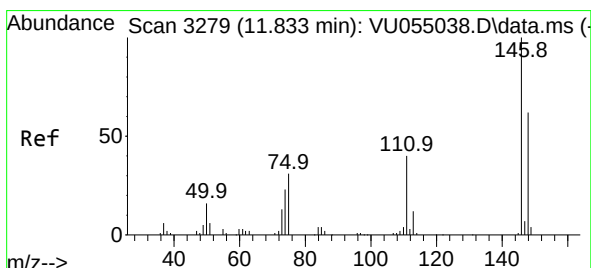
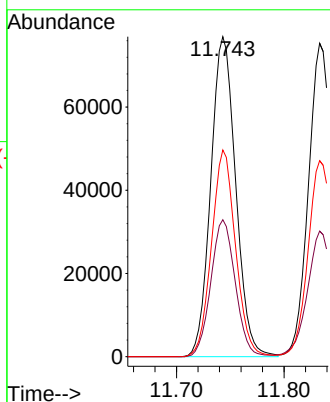
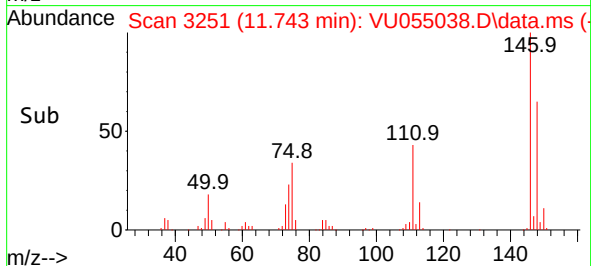


#64
1,3-Dichlorobenzene
Concen: 4.667 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU055038.D
Acq: 01 Sep 2023 13:41

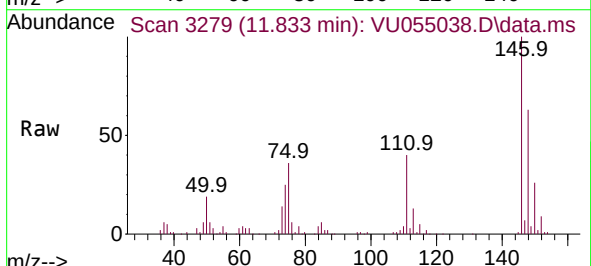
Instrument :
MSVOA_U
ClientSampleId :



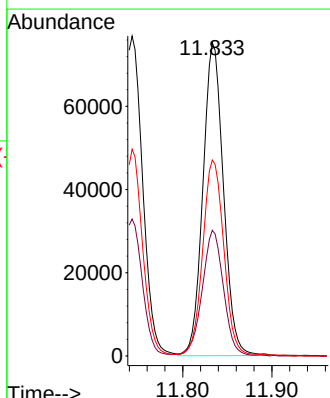
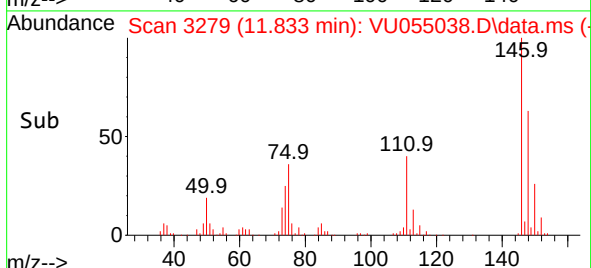
Tgt Ion:146 Resp: 123742
Ion Ratio Lower Upper
146 100
111 42.8 30.0 55.6
148 64.6 45.2 84.0

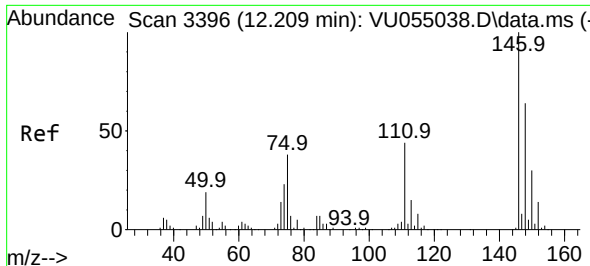


#65
1,4-Dichlorobenzene
Concen: 4.548 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU055038.D
Acq: 01 Sep 2023 13:41



Tgt Ion:146 Resp: 120202
Ion Ratio Lower Upper
146 100
111 40.1 28.1 52.1
148 62.5 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 4.625 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. 0.000 min

Lab File: VU055038.D

Acq: 01 Sep 2023 13:41

Instrument :

MSVOA_U

ClientSampleId :

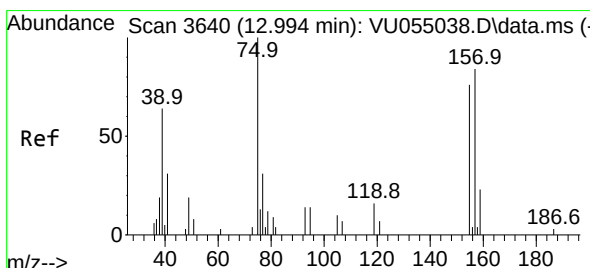
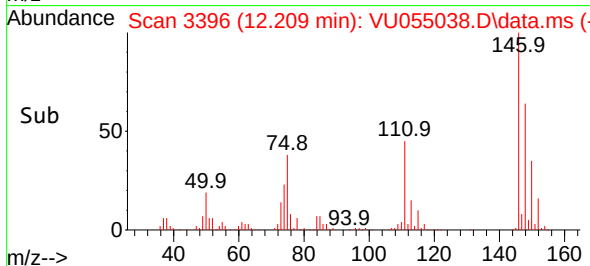
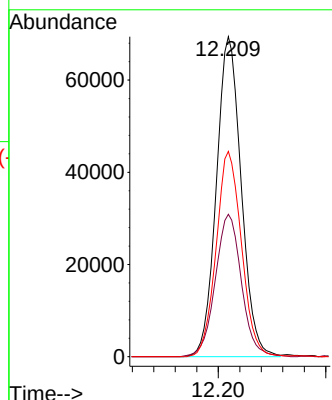
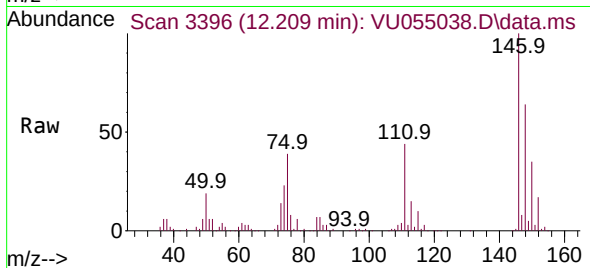
Tgt Ion:146 Resp: 111200

Ion Ratio Lower Upper

146 100

111 44.5 35.6 53.4

148 64.1 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 4.614 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.000 min

Lab File: VU055038.D

Acq: 01 Sep 2023 13:41

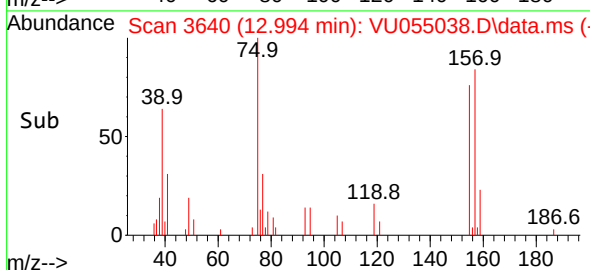
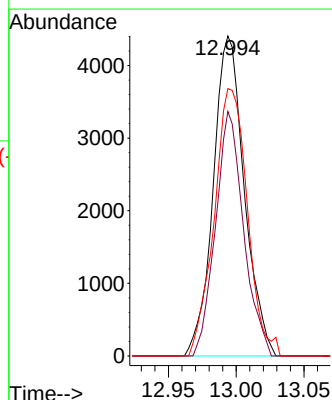
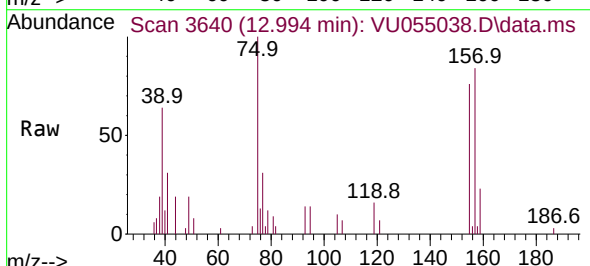
Tgt Ion: 75 Resp: 7017

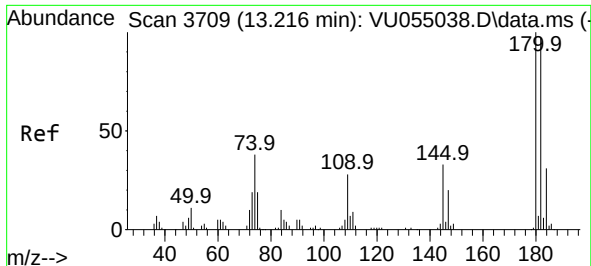
Ion Ratio Lower Upper

75 100

155 76.4 61.1 91.7

157 83.5 66.8 100.2





#69

1,3,5-Trichlorobenzene

Concen: 4.801 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.000 min

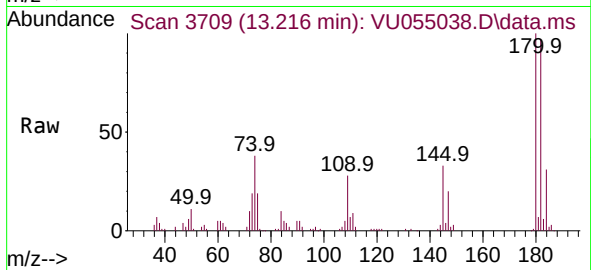
Lab File: VU055038.D

Acq: 01 Sep 2023 13:41

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 85455

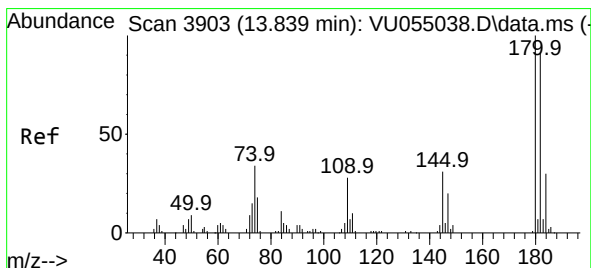
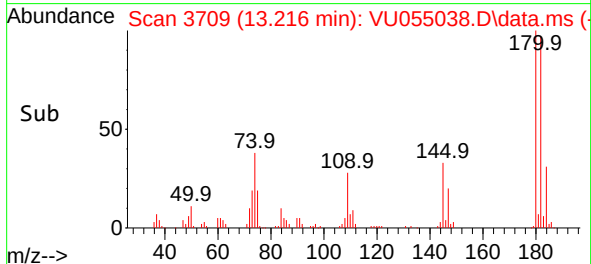
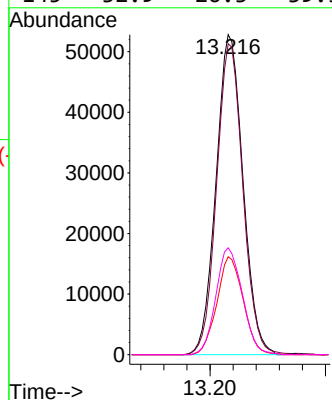
Ion Ratio Lower Upper

180 100

182 94.7 75.8 113.6

184 30.0 24.0 36.0

145 32.9 26.3 39.5



#70

1,2,4-trichlorobenzene

Concen: 4.855 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.000 min

Lab File: VU055038.D

Acq: 01 Sep 2023 13:41

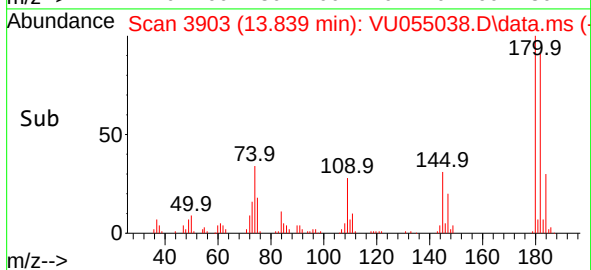
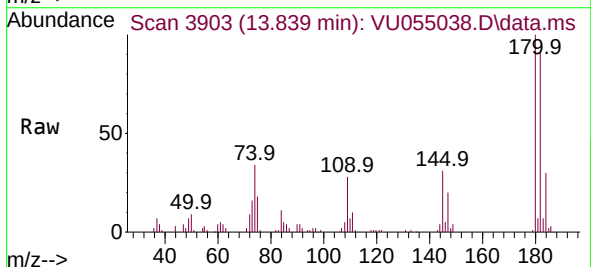
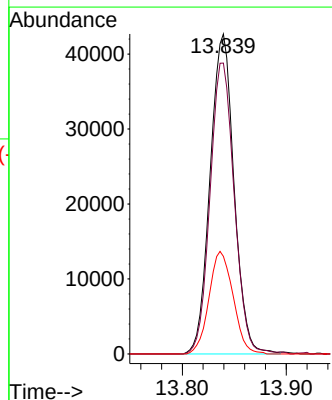
Tgt Ion:180 Resp: 68242

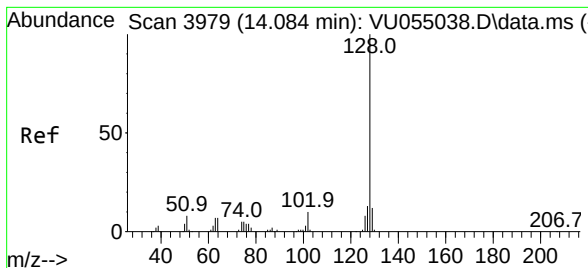
Ion Ratio Lower Upper

180 100

182 92.0 73.6 110.4

145 32.3 25.8 38.8





#71

Naphthalene

Concen: 4.862 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. 0.000 min

Lab File: VU055038.D

Acq: 01 Sep 2023 13:41

Instrument :

MSVOA_U

ClientSampleId :

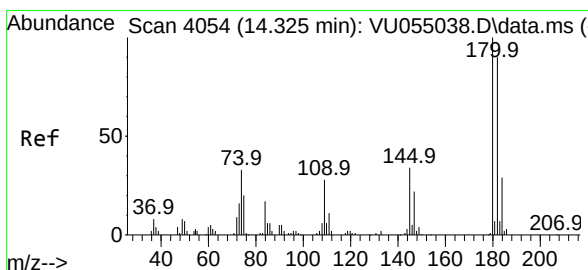
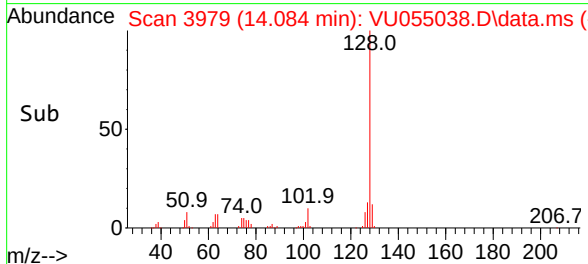
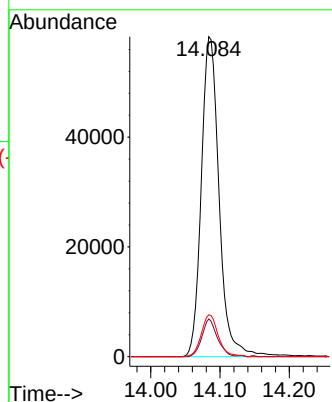
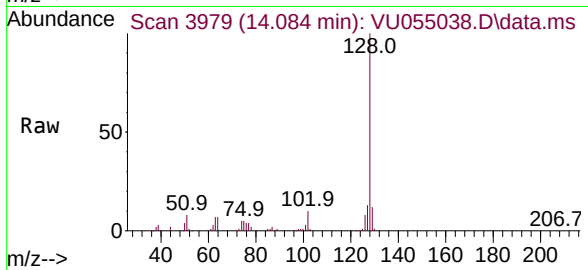
Tgt Ion:128 Resp: 103933

Ion Ratio Lower Upper

128 100

129 10.2 8.2 12.2

127 12.5 10.0 15.0



#72

1,2,3-Trichlorobenzene

Concen: 5.013 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU055038.D

Acq: 01 Sep 2023 13:41

Tgt Ion:180 Resp: 59043

Ion Ratio Lower Upper

180 100

182 94.5 75.6 113.4

145 33.8 27.0 40.6

