

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101123\
 Data File : VU055754.D
 Acq On : 11 Oct 2023 17:48
 Operator : MD/SY
 Sample : 04792-03MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 12 01:58:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 12 01:53:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	435467	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	446475	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	259350	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	153635	39.333	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.660%
7) Chloroethane-d5	1.885	69	130431	40.851	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.700%
11) 1,1-Dichloroethene-d2	2.560	63	290938	41.774	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.540%
21) 2-Butanone-d5	4.615	46	272199	94.048	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.050%
24) Chloroform-d	5.055	84	334343	44.650	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.300%
26) 1,2-Dichloroethane-d4	5.695	65	213660	46.357	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.720%
32) Benzene-d6	5.721	84	643363	45.037	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.080%
36) 1,2-Dichloropropane-d6	6.685	67	200351	44.302	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.600%
41) Toluene-d8	7.894	98	583813	45.260	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.520%
43) trans-1,3-Dichloroprop...	8.177	79	97259	44.770	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.540%
47) 2-Hexanone-d5	8.634	63	204782	115.184	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.180%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	371788	53.410	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.820%
66) 1,2-Dichlorobenzene-d4	12.190	152	245367	47.675	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	158006	43.577	ug/L	100
3) Chloromethane	1.518	50	152376	44.413	ug/L	95
5) Vinyl chloride	1.602	62	177156	46.920	ug/L	98
6) Bromomethane	1.830	94	76250	31.590	ug/L	93
8) Chloroethane	1.907	64	107491	43.402	ug/L	100
9) Trichlorofluoromethane	2.123	101	246020	45.605	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	149371	43.055	ug/L	99
12) 1,1-Dichloroethene	2.570	96	138150	44.749	ug/L	98
13) Acetone	2.618	43	171880	63.995	ug/L	95
14) Carbon disulfide	2.785	76	381720	40.630	ug/L	99
15) Methyl Acetate	2.940	43	173991	42.300	ug/L	96
16) Methylene chloride	3.036	84	167726	44.800	ug/L	96
17) trans-1,2-Dichloroethene	3.345	96	140542	44.520	ug/L	98
18) Methyl tert-butyl Ether	3.358	73	492398	48.501	ug/L	99
19) 1,1-Dichloroethane	3.862	63	290492	44.872	ug/L	99
20) cis-1,2-Dichloroethene	4.660	96	173834	48.248	ug/L	100
22) 2-Butanone	4.695	43	259162	80.055	ug/L	99
23) Bromochloromethane	4.965	128	87068	46.662	ug/L	97
25) Chloroform	5.081	83	311804	46.105	ug/L	98

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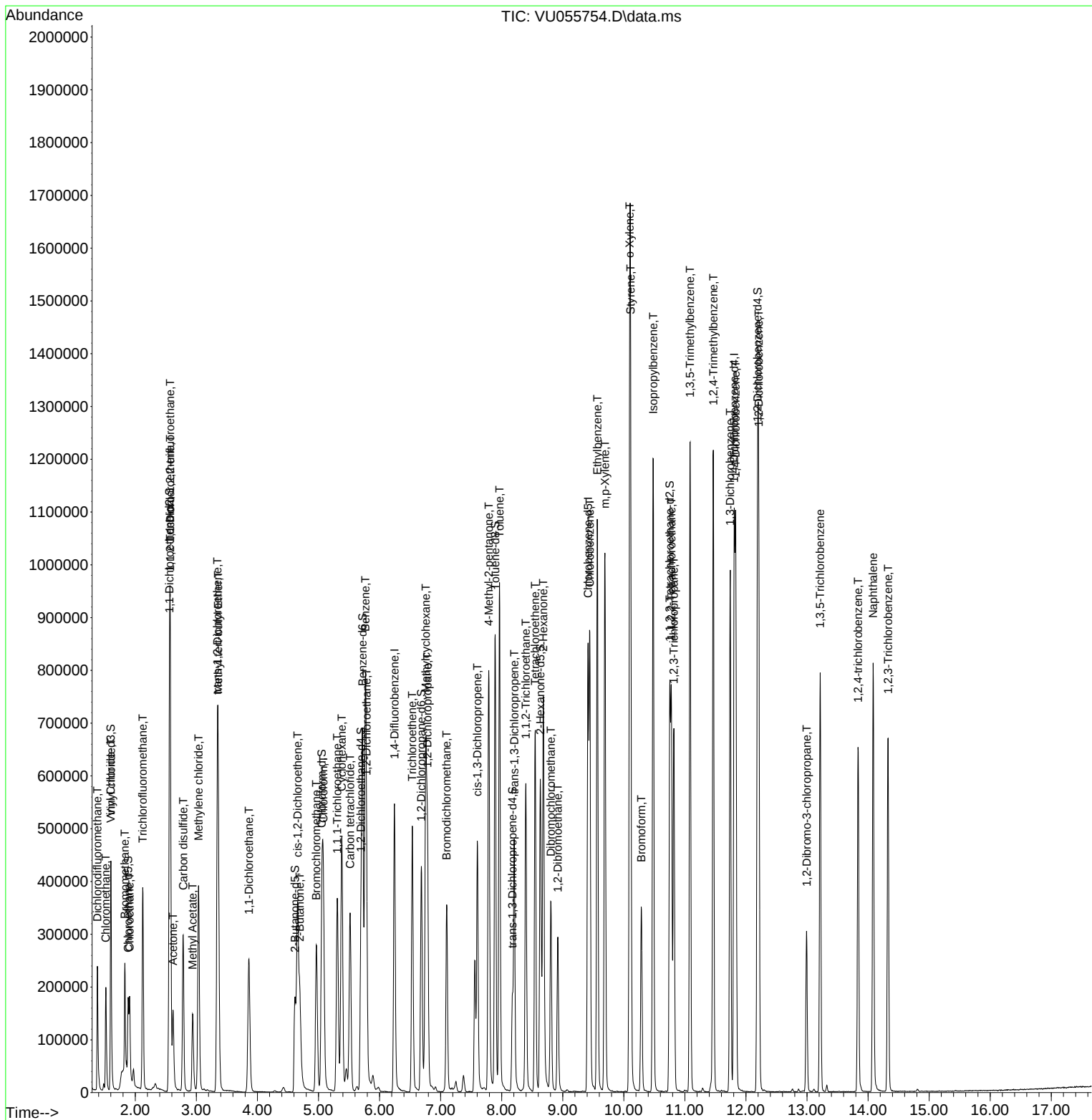
Instrument :
 MSVOA_U
 ClientSampleId :

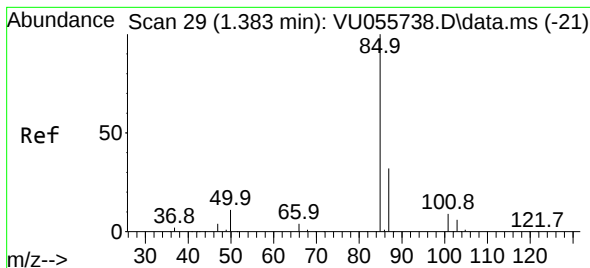
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 Quant Title : VOC Analysis
 QLast Update : Thu Oct 12 01:53:31 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	255855	47.302	ug/L	100
29) Cyclohexane	5.383	56	234606	45.843	ug/L	99
30) 1,1,1-Trichloroethane	5.309	97	267424	46.361	ug/L	99
31) Carbon tetrachloride	5.518	117	231111	45.774	ug/L	99
33) Benzene	5.769	78	656353	46.506	ug/L	100
34) Trichloroethene	6.537	95	169998	44.022	ug/L	98
35) Methylcyclohexane	6.759	83	248173	44.294	ug/L	99
37) 1,2-Dichloropropane	6.785	63	175915	45.265	ug/L	99
38) Bromodichloromethane	7.100	83	234380	45.732	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	269967	45.660	ug/L	98
40) 4-Methyl-2-pentanone	7.788	43	553211	102.322	ug/L	98
42) Toluene	7.965	91	697867	46.861	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	265747	46.976	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	181257	47.299	ug/L	98
46) Tetrachloroethene	8.550	164	144779	52.364	ug/L	98
48) 2-Hexanone	8.682	43	474644	103.934	ug/L	95
49) Dibromochloromethane	8.804	129	183323	46.819	ug/L	99
50) 1,2-Dibromoethane	8.920	107	192818	46.845	ug/L	99
51) Chlorobenzene	9.444	112	447496	46.443	ug/L	98
52) Ethylbenzene	9.566	91	765816	47.036	ug/L	98
53) m,p-Xylene	9.692	106	290620	47.645	ug/L	98
54) o-Xylene	10.097	106	294870	49.956	ug/L	98
55) Styrene	10.113	104	517903	51.794	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	356238	54.291	ug/L	100
59) Bromoform	10.287	173	154883	48.512	ug/L	97
60) 1,2,3-Trichloropropane	10.820	75	287837	51.138	ug/L	98
61) Isopropylbenzene	10.483	105	778558	48.154	ug/L	100
62) 1,3,5-Trimethylbenzene	11.087	105	666299	50.930	ug/L	98
63) 1,2,4-Trimethylbenzene	11.467	105	662027	51.175	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	382134	47.811	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	382843	46.589	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	391088	49.307	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.994	75	79167	47.046	ug/L	99
69) 1,3,5-Trichlorobenzene	13.216	180	232341	43.581	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	186266	41.945	ug/L	100
71) Naphthalene	14.084	128	639526	48.481	ug/L	99
72) 1,2,3-Trichlorobenzene	14.328	180	191597	43.761	ug/L	97

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

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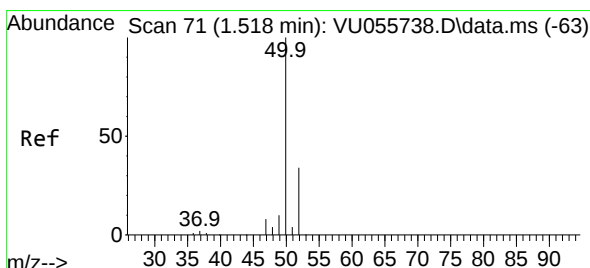
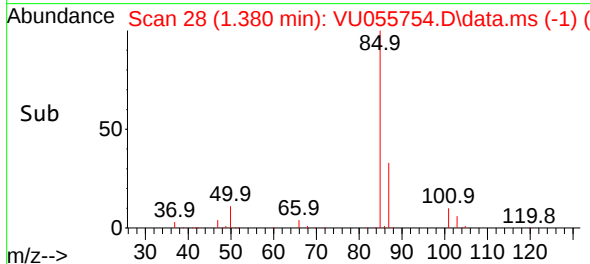
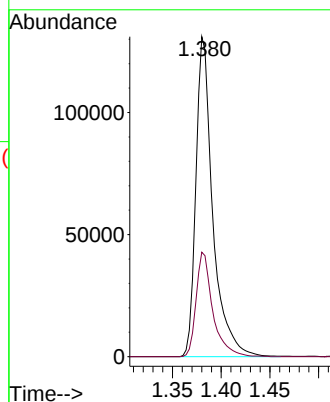
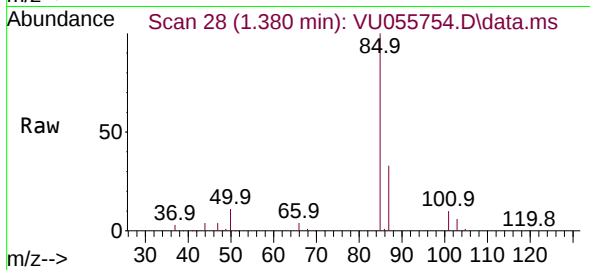




#2
 Dichlorodifluoromethane
 Concen: 43.577 ug/L
 RT: 1.380 min Scan# 29
 Delta R.T. -0.003 min
 Lab File: VU055754.D
 Acq: 11 Oct 2023 17:48

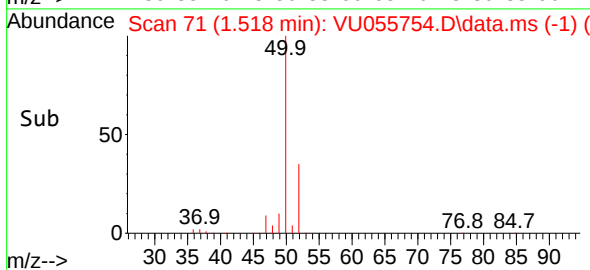
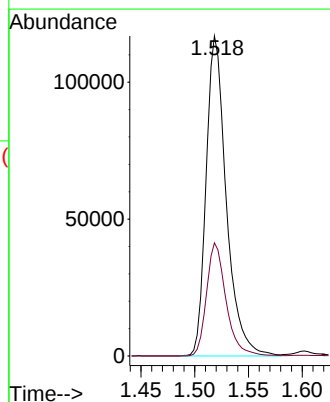
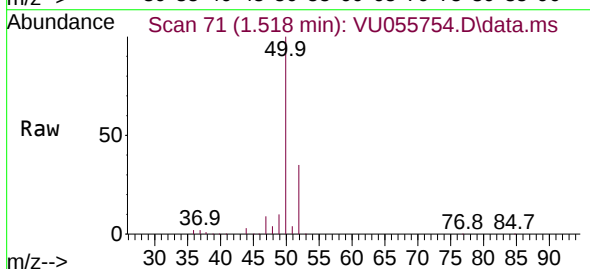
Instrument :
 MSVOA_U
 ClientSampleId :

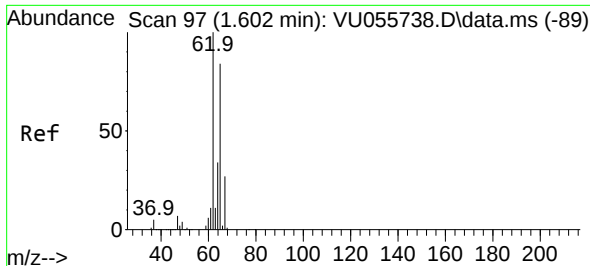
Tgt Ion: 85 Resp: 158006
 Ion Ratio Lower Upper
 85 100
 87 32.2 26.0 39.0



#3
 Chloromethane
 Concen: 44.413 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU055754.D
 Acq: 11 Oct 2023 17:48

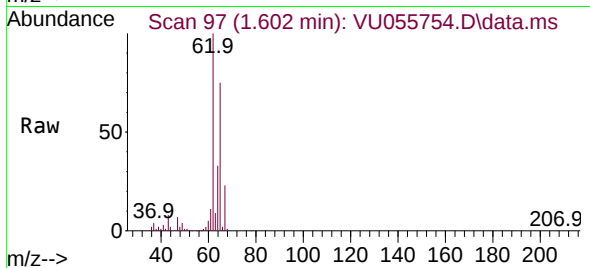
Tgt Ion: 50 Resp: 152376
 Ion Ratio Lower Upper
 50 100
 52 35.3 22.8 42.4



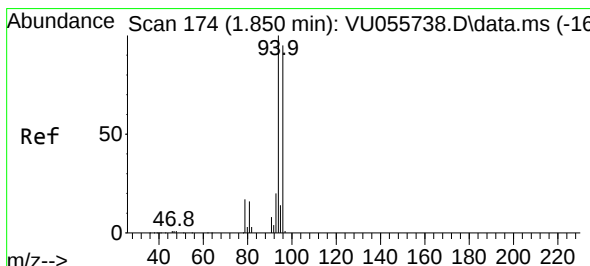
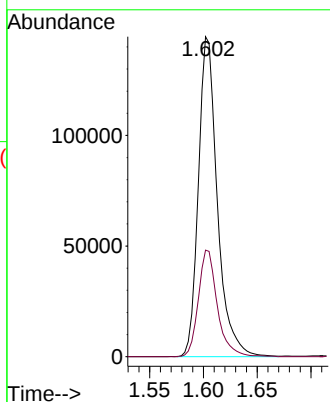
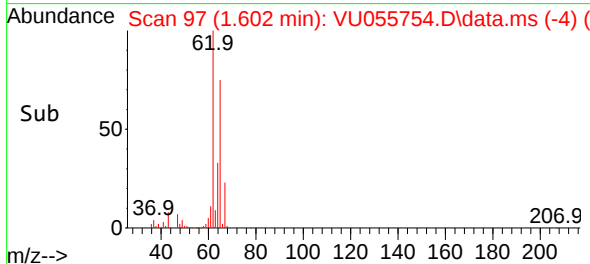


#5
 Vinyl chloride
 Concen: 46.920 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU055754.D
 Acq: 11 Oct 2023 17:48

Instrument :
 MSVOA_U
 ClientSampleId :

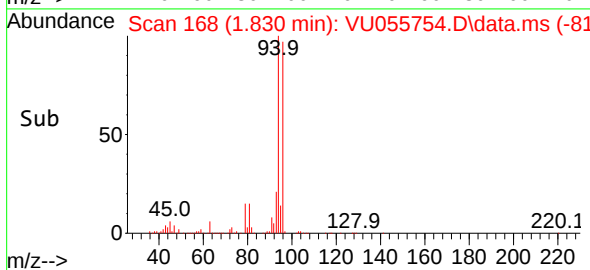
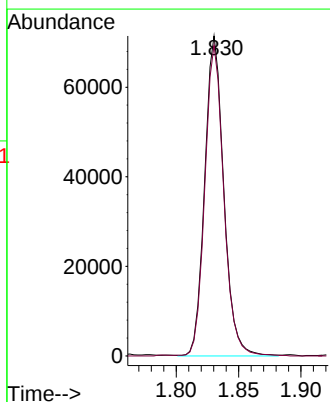
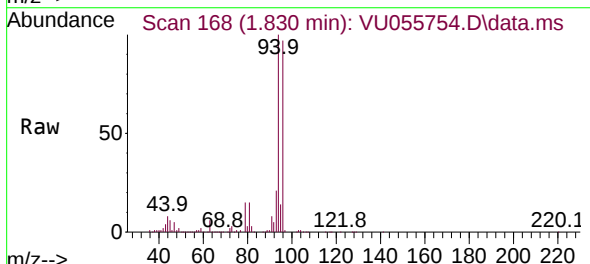


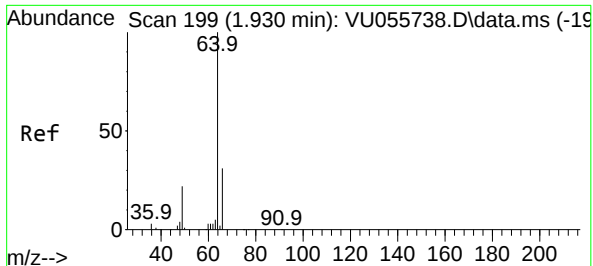
Tgt Ion: 62 Resp: 177156
 Ion Ratio Lower Upper
 62 100
 64 33.3 23.9 44.5



#6
 Bromomethane
 Concen: 31.590 ug/L
 RT: 1.830 min Scan# 168
 Delta R.T. -0.019 min
 Lab File: VU055754.D
 Acq: 11 Oct 2023 17:48

Tgt Ion: 94 Resp: 76250
 Ion Ratio Lower Upper
 94 100
 96 97.0 63.5 117.9

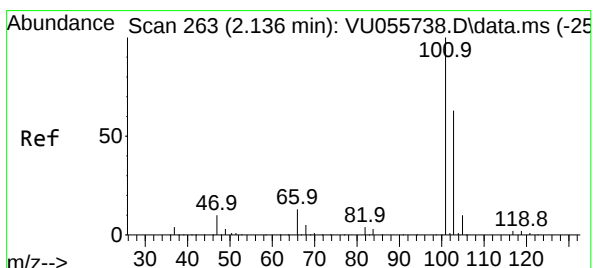
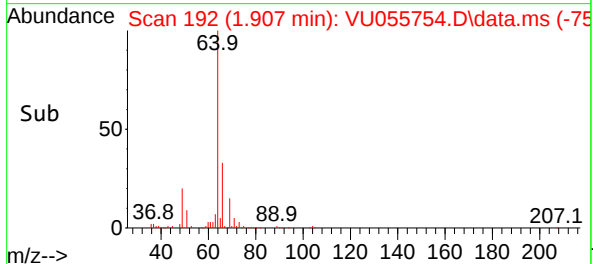
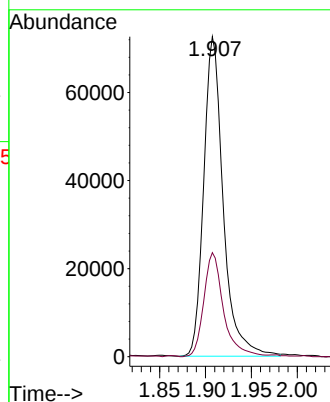
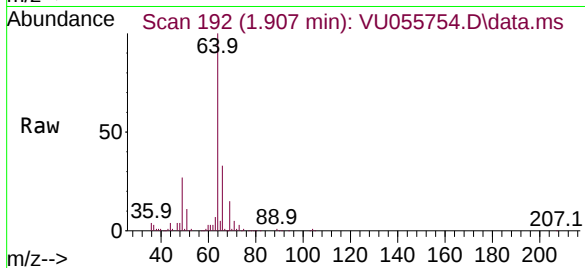




#8
Chloroethane
Concen: 43.402 ug/L
RT: 1.907 min Scan# 19
Delta R.T. -0.023 min
Lab File: VU055754.D
Acq: 11 Oct 2023 17:48

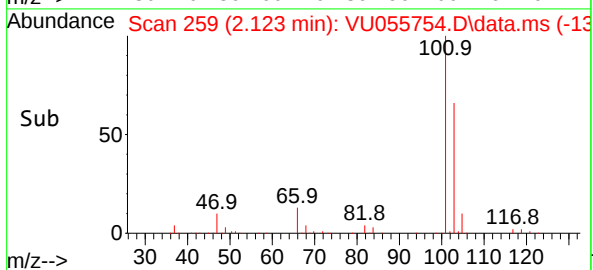
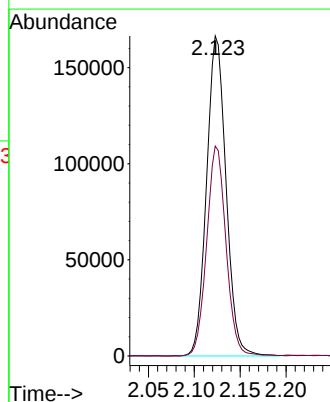
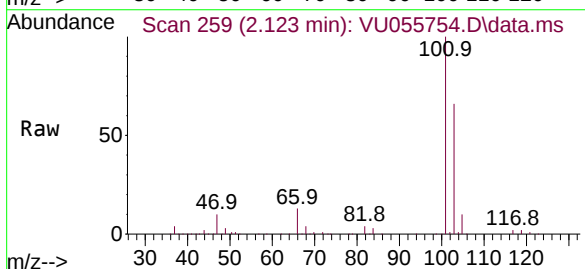
Instrument :
MSVOA_U
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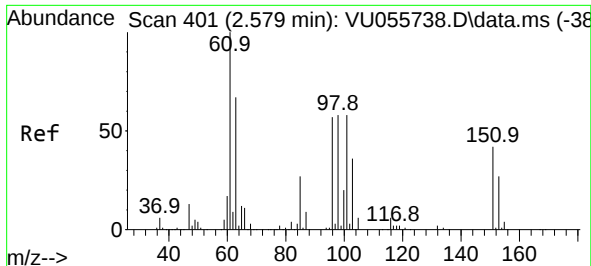
Tgt Ion: 64 Resp: 107491
Ion Ratio Lower Upper
64 100
66 32.5 22.9 42.5



#9
Trichlorofluoromethane
Concen: 45.605 ug/L
RT: 2.123 min Scan# 259
Delta R.T. -0.013 min
Lab File: VU055754.D
Acq: 11 Oct 2023 17:48

Tgt Ion:101 Resp: 246020
Ion Ratio Lower Upper
101 100
103 64.9 51.3 76.9

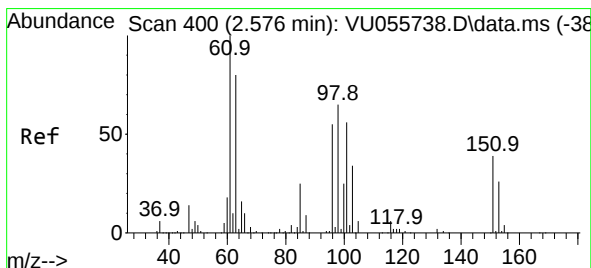
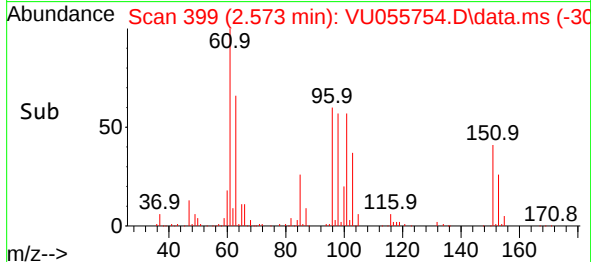
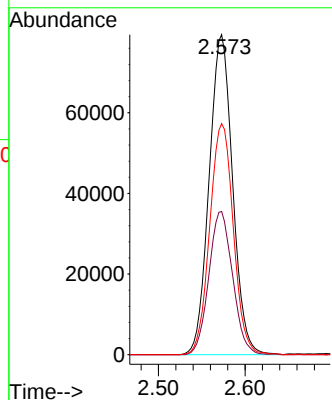
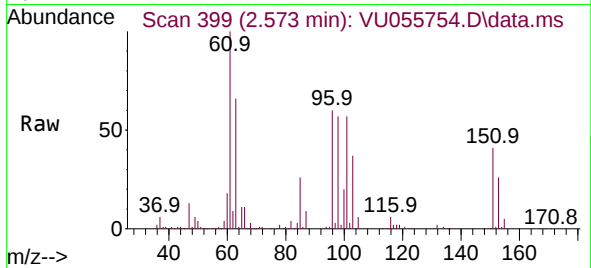




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 43.055 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.007 min
 Lab File: VU055754.D
 Acq: 11 Oct 2023 17:48

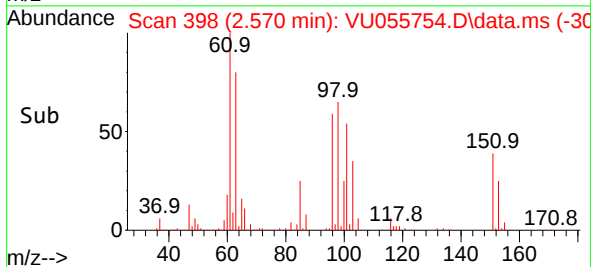
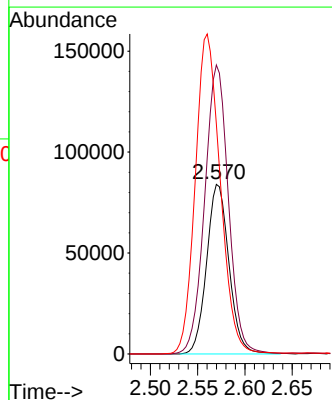
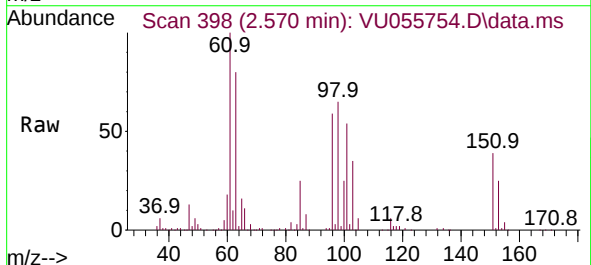
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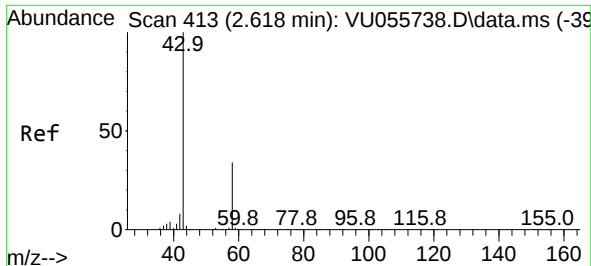
Tgt Ion:101 Resp: 149371
 Ion Ratio Lower Upper
 101 100
 85 45.3 37.1 55.7
 151 72.7 58.2 87.4



#12
 1,1-Dichloroethene
 Concen: 44.749 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.007 min
 Lab File: VU055754.D
 Acq: 11 Oct 2023 17:48

Tgt Ion: 96 Resp: 138150
 Ion Ratio Lower Upper
 96 100
 61 170.4 122.0 226.6
 63 135.6 93.7 174.1





#13

Acetone

Concen: 63.995 ug/L

RT: 2.618 min Scan# 413

Delta R.T. -0.000 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

Instrument :

MSVOA_U

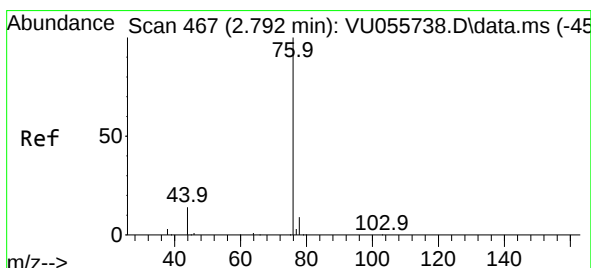
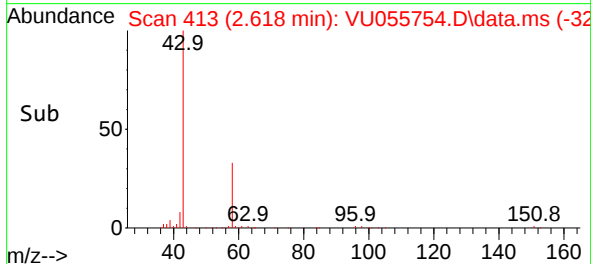
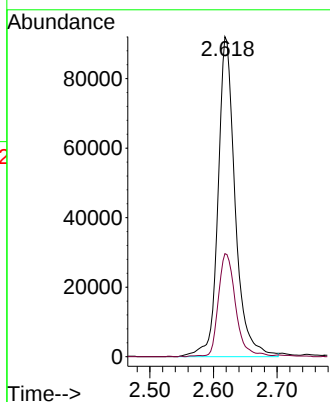
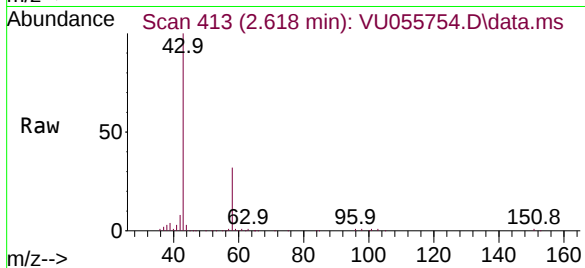
ClientSampleId :

Tgt Ion: 43 Resp: 171880

Ion Ratio Lower Upper

43 100

58 31.0 0.0 67.4



#14

Carbon disulfide

Concen: 40.630 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.007 min

Lab File: VU055754.D

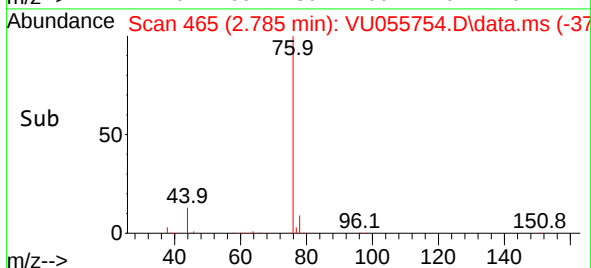
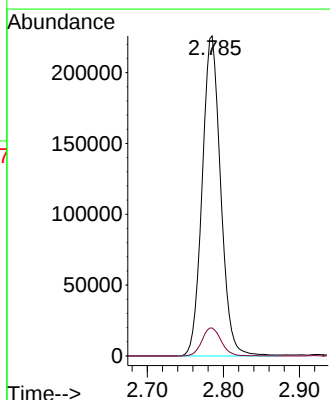
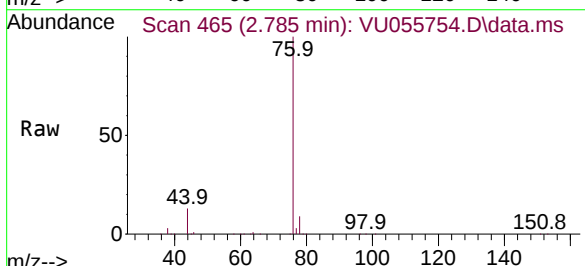
Acq: 11 Oct 2023 17:48

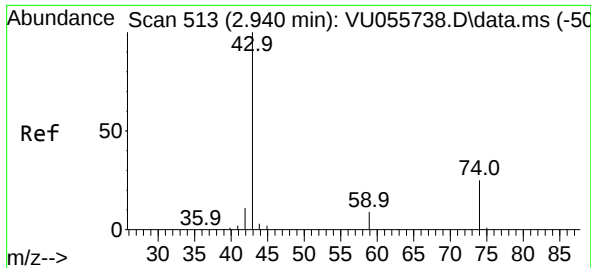
Tgt Ion: 76 Resp: 381720

Ion Ratio Lower Upper

76 100

78 8.7 6.8 10.2

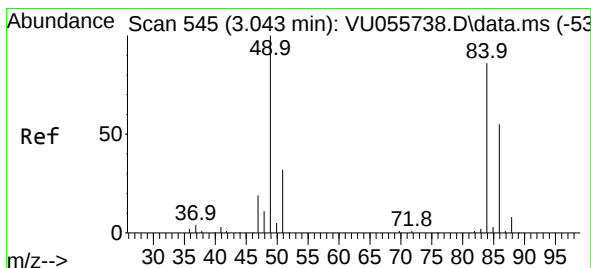
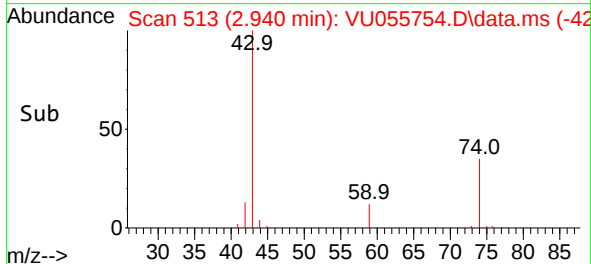
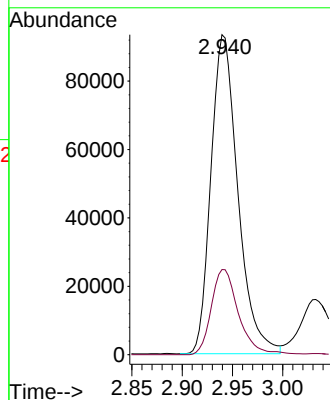
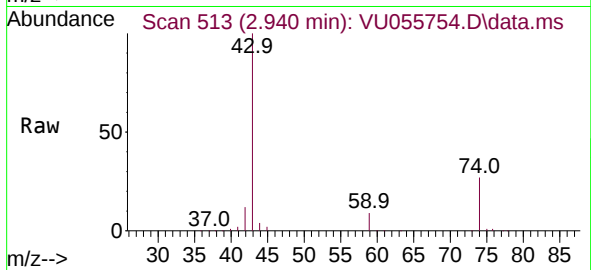




#15
Methyl Acetate
Concen: 42.300 ug/L
RT: 2.940 min Scan# 513
Delta R.T. -0.000 min
Lab File: VU055754.D
Acq: 11 Oct 2023 17:48

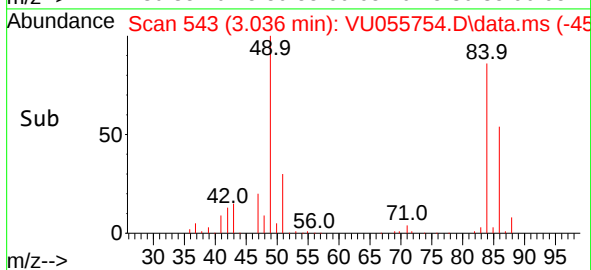
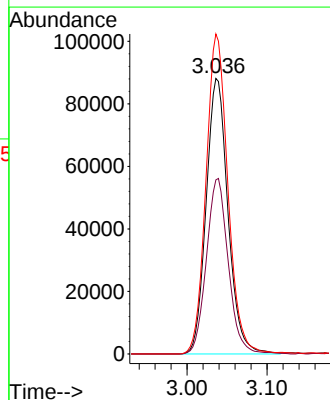
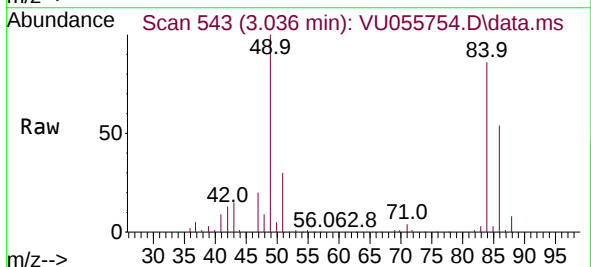
Instrument :
MSVOA_U
ClientSampleId :

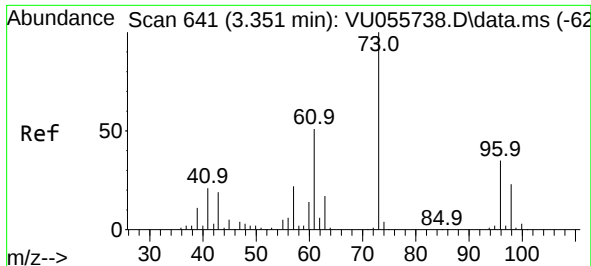
Tgt Ion: 43 Resp: 173991
Ion Ratio Lower Upper
43 100
74 26.4 19.5 29.3



#16
Methylene chloride
Concen: 44.800 ug/L
RT: 3.036 min Scan# 543
Delta R.T. -0.007 min
Lab File: VU055754.D
Acq: 11 Oct 2023 17:48

Tgt Ion: 84 Resp: 167726
Ion Ratio Lower Upper
84 100
86 63.2 46.3 86.1
49 116.1 84.8 157.6

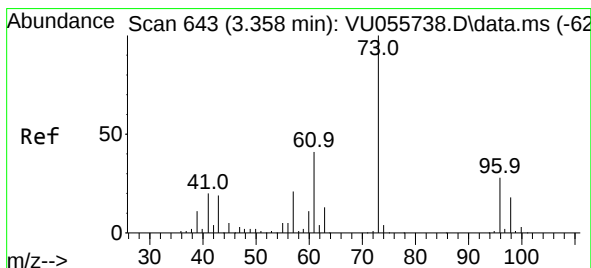
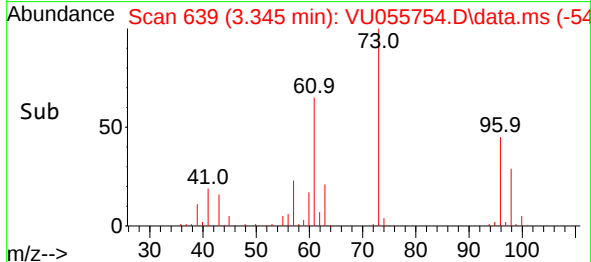
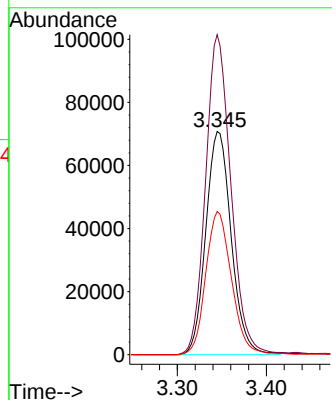
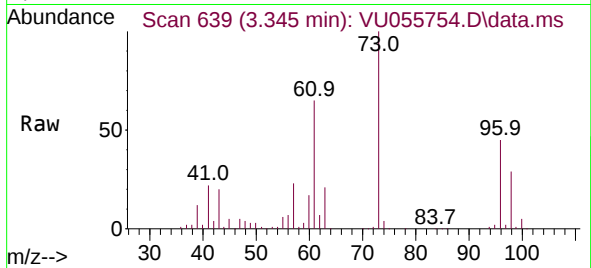




#17
trans-1,2-Dichloroethene
Concen: 44.520 ug/L
RT: 3.345 min Scan# 61
Delta R.T. -0.007 min
Lab File: VU055754.D
Acq: 11 Oct 2023 17:48

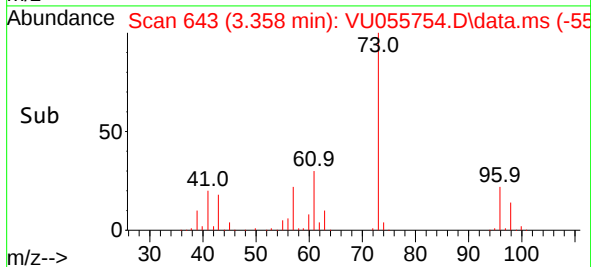
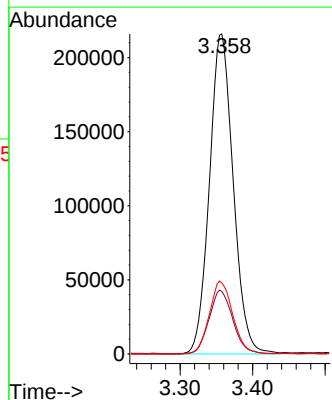
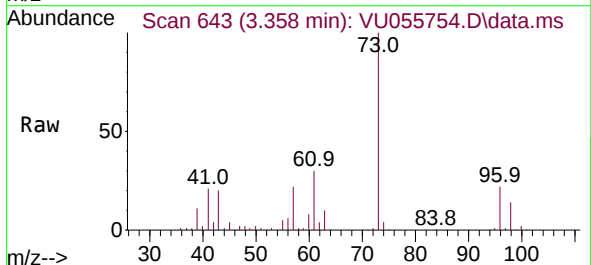
Instrument :
MSVOA_U
ClientSampleId :

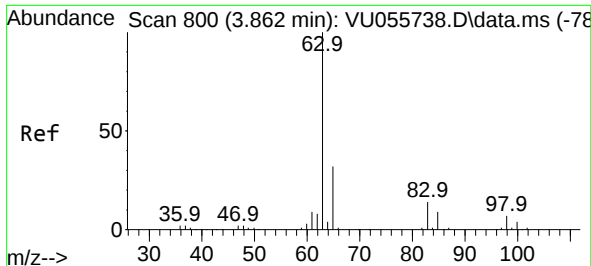
Tgt Ion: 96 Resp: 140542
Ion Ratio Lower Upper
96 100
61 143.4 102.1 189.7
98 64.2 46.3 86.1



#18
Methyl tert-butyl Ether
Concen: 48.501 ug/L
RT: 3.358 min Scan# 643
Delta R.T. -0.000 min
Lab File: VU055754.D
Acq: 11 Oct 2023 17:48

Tgt Ion: 73 Resp: 492398
Ion Ratio Lower Upper
73 100
43 19.7 15.4 23.2
57 22.5 17.7 26.5





#19

1,1-Dichloroethane

Concen: 44.872 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.000 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

Instrument :

MSVOA_U

ClientSampleId :

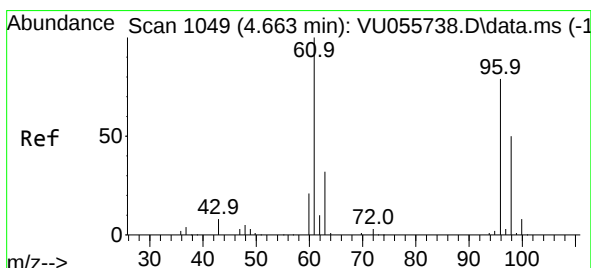
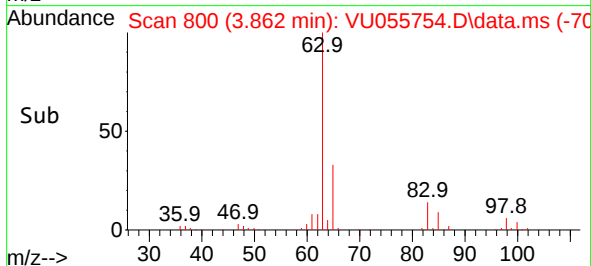
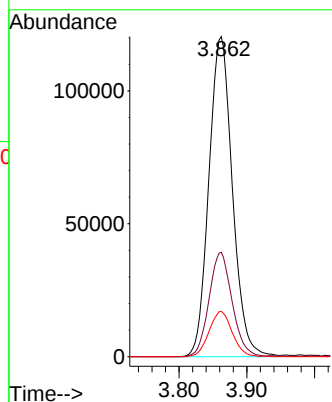
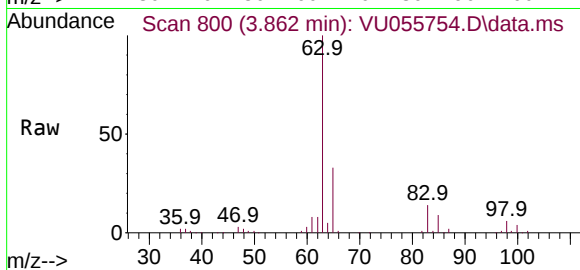
Tgt Ion: 63 Resp: 290492

Ion Ratio Lower Upper

63 100

65 32.6 22.3 41.5

83 14.2 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 48.248 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. -0.003 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

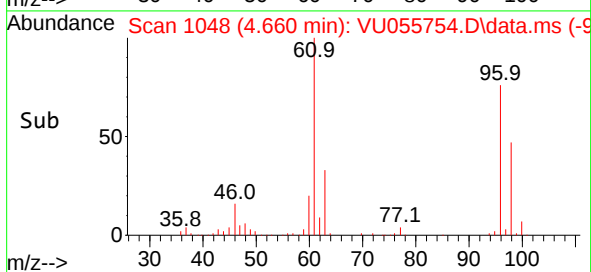
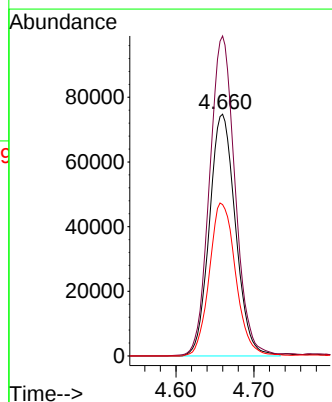
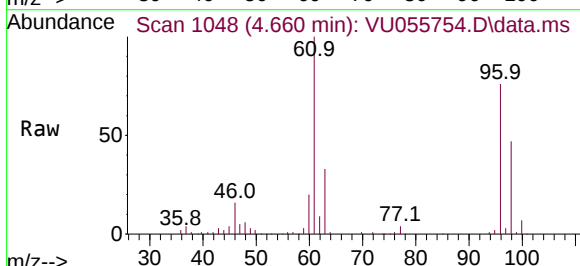
Tgt Ion: 96 Resp: 173834

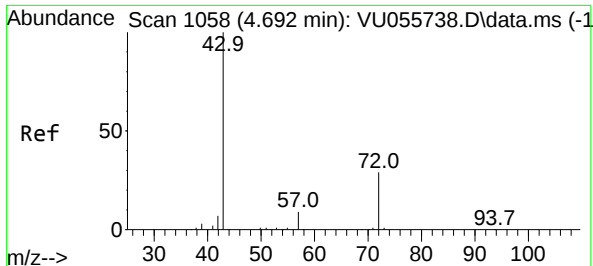
Ion Ratio Lower Upper

96 100

61 132.3 92.3 171.5

98 62.6 43.9 81.5

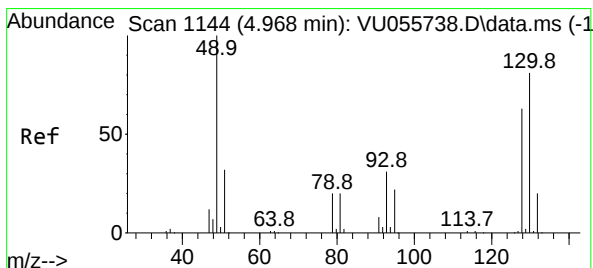
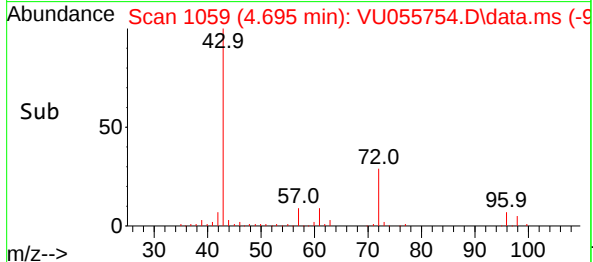
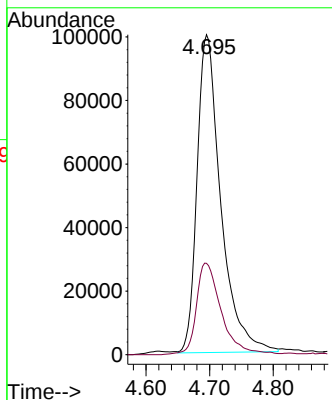
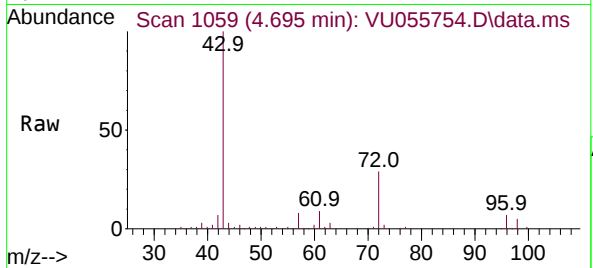




#22
2-Butanone
Concen: 80.055 ug/L
RT: 4.695 min Scan# 110
Delta R.T. 0.003 min
Lab File: VU055754.D
Acq: 11 Oct 2023 17:48

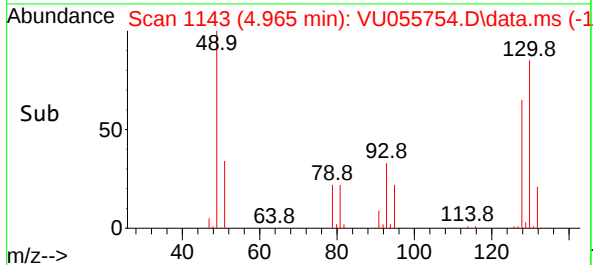
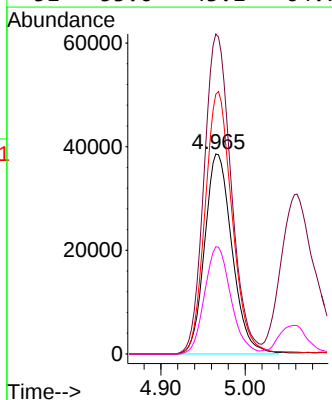
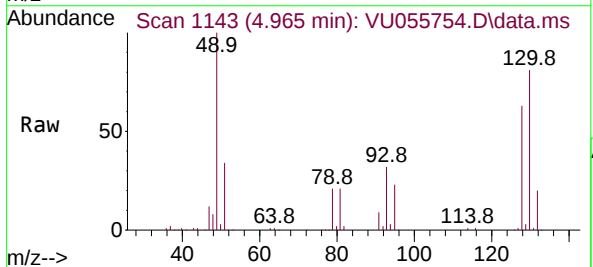
Instrument :
MSVOA_U
ClientSampleId :

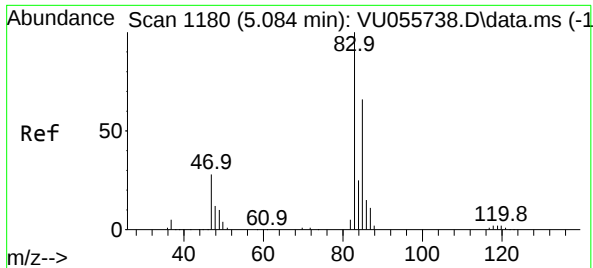
Tgt Ion: 43 Resp: 259162
Ion Ratio Lower Upper
43 100
72 30.0 14.6 44.0



#23
Bromochloromethane
Concen: 46.662 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. -0.003 min
Lab File: VU055754.D
Acq: 11 Oct 2023 17:48

Tgt Ion:128 Resp: 87068
Ion Ratio Lower Upper
128 100
49 160.0 116.3 216.1
130 129.8 91.6 170.0
51 53.6 43.1 64.7

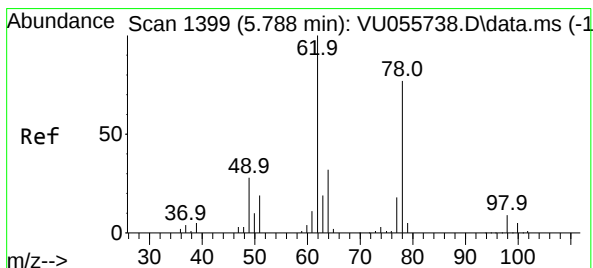
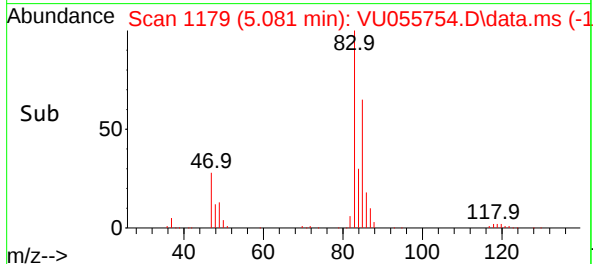
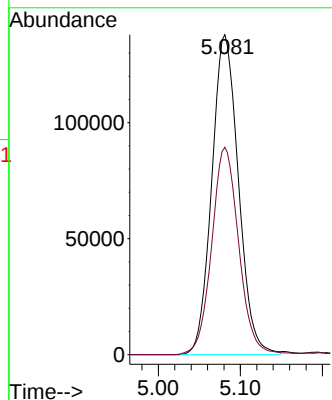
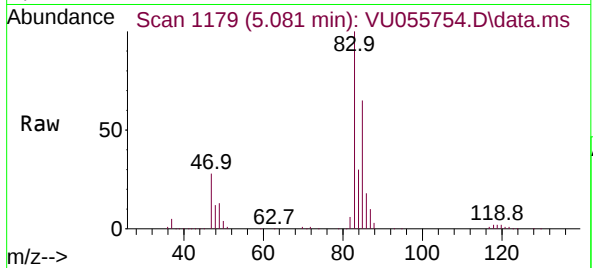




#25
Chloroform
Concen: 46.105 ug/L
RT: 5.081 min Scan# 1180
Delta R.T. -0.003 min
Lab File: VU055754.D
Acq: 11 Oct 2023 17:48

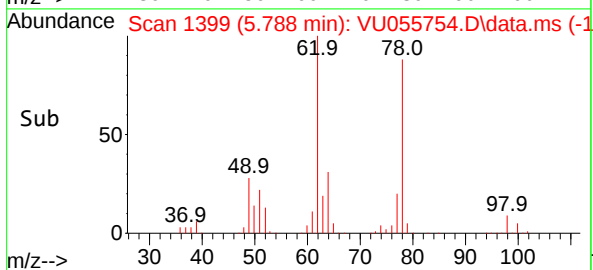
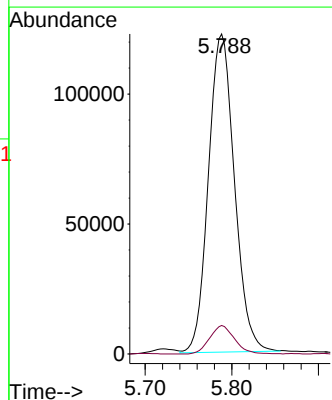
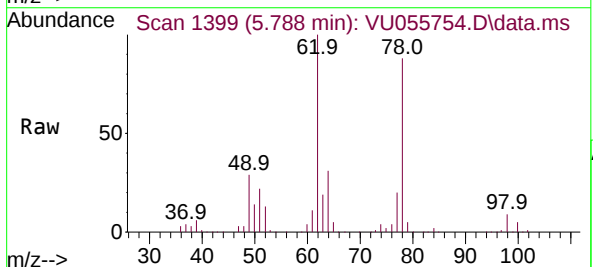
Instrument :
MSVOA_U
ClientSampleId :

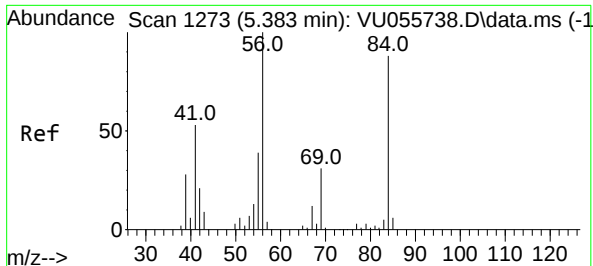
Tgt Ion: 83 Resp: 311804
Ion Ratio Lower Upper
83 100
85 64.8 46.3 86.1



#27
1,2-Dichloroethane
Concen: 47.302 ug/L
RT: 5.788 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VU055754.D
Acq: 11 Oct 2023 17:48

Tgt Ion: 62 Resp: 255855
Ion Ratio Lower Upper
62 100
98 8.9 7.2 10.8





#29

Cyclohexane

Concen: 45.843 ug/L

RT: 5.383 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

Instrument :

MSVOA_U

ClientSampleId :

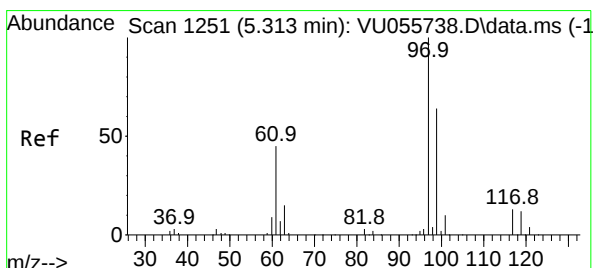
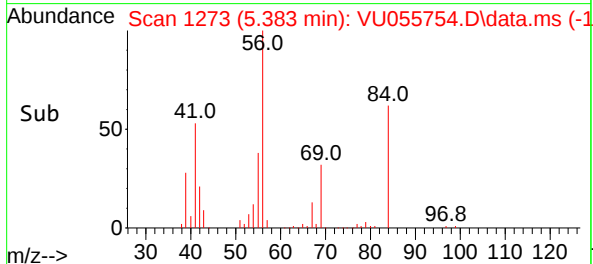
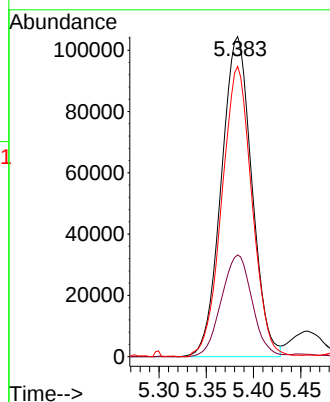
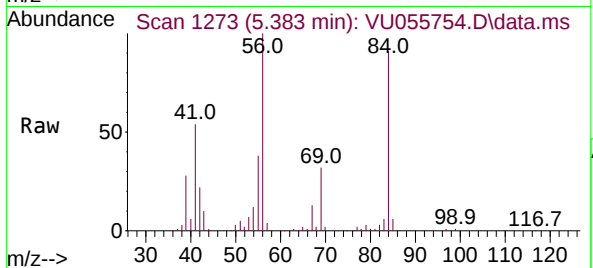
Tgt Ion: 56 Resp: 234606

Ion Ratio Lower Upper

56 100

69 32.1 24.9 37.3

84 89.4 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 46.361 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.003 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

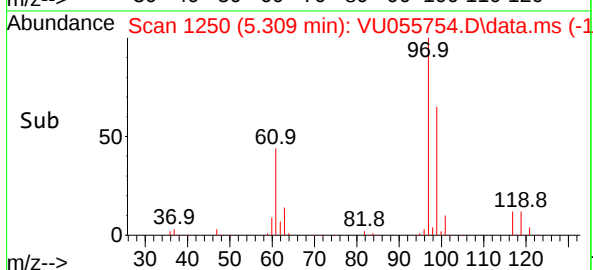
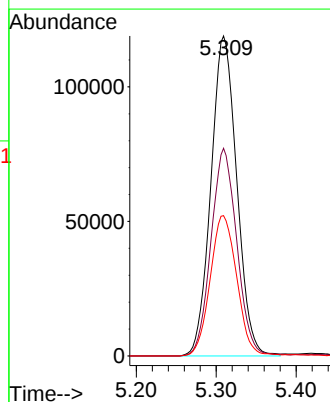
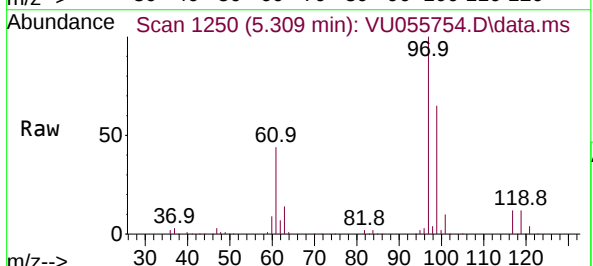
Tgt Ion: 97 Resp: 267424

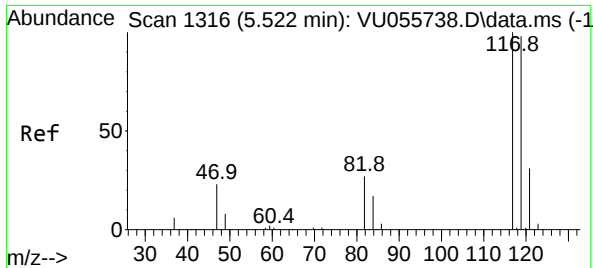
Ion Ratio Lower Upper

97 100

99 64.7 51.6 77.4

61 45.1 36.8 55.2

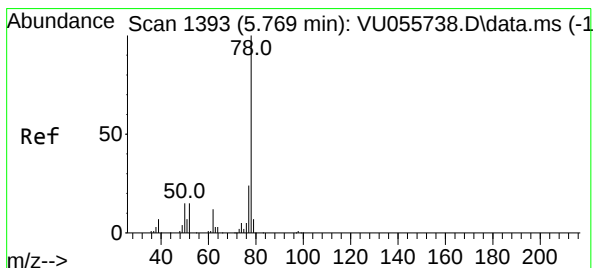
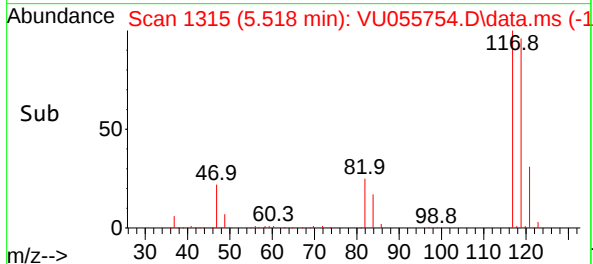
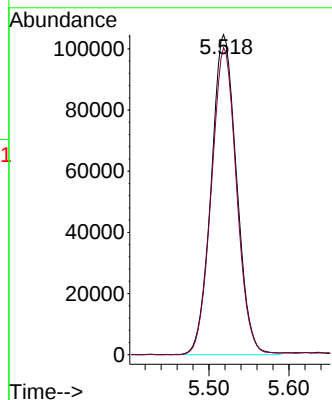
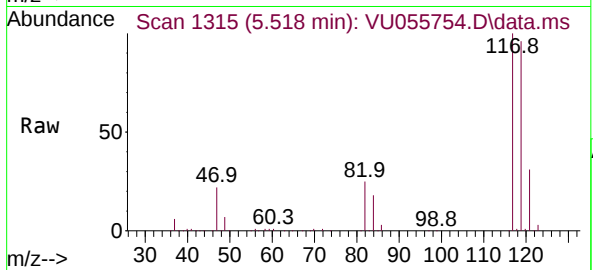




#31
Carbon tetrachloride
Concen: 45.774 ug/L
RT: 5.518 min Scan# 111
Delta R.T. -0.003 min
Lab File: VU055754.D
Acq: 11 Oct 2023 17:48

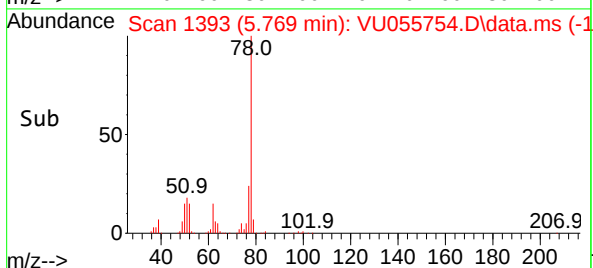
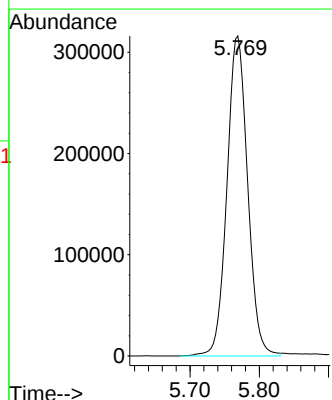
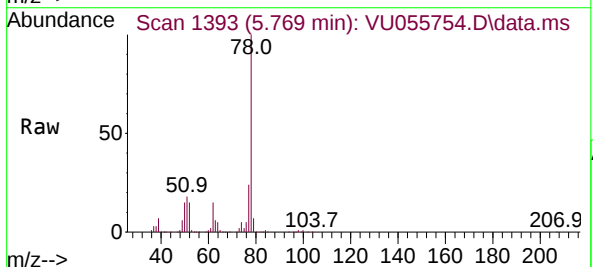
Instrument :
MSVOA_U
ClientSampleId :

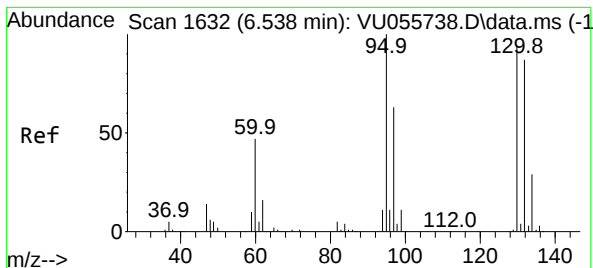
Tgt Ion:117 Resp: 231111
Ion Ratio Lower Upper
117 100
119 94.8 75.4 113.0



#33
Benzene
Concen: 46.506 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU055754.D
Acq: 11 Oct 2023 17:48

Tgt Ion: 78 Resp: 656353





#34

Trichloroethene

Concen: 44.022 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 169998

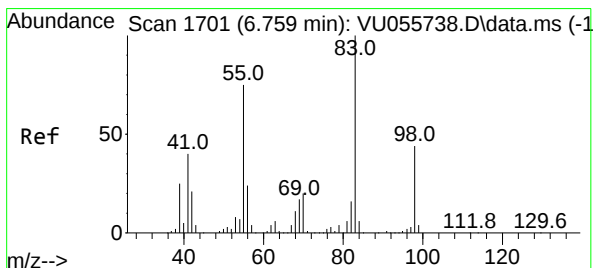
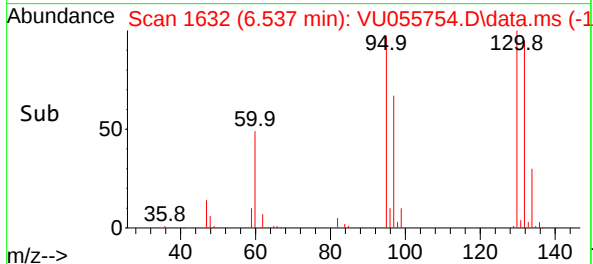
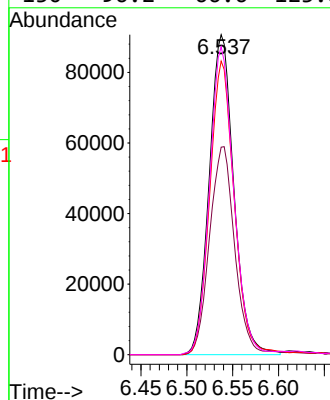
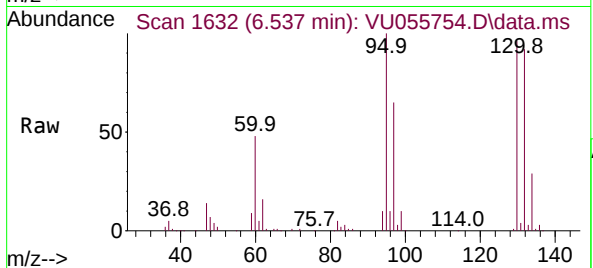
Ion Ratio Lower Upper

95 100

97 64.8 44.4 82.5

132 91.7 61.8 114.8

130 96.2 66.6 123.8



#35

Methylcyclohexane

Concen: 44.294 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

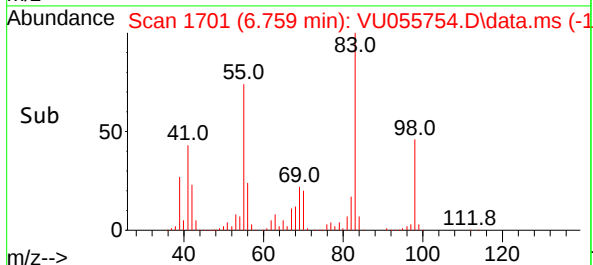
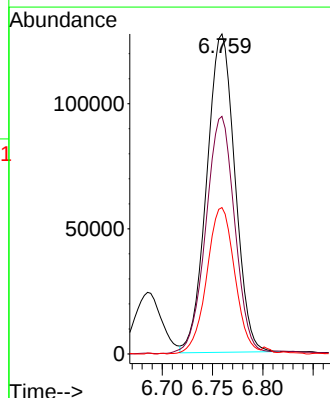
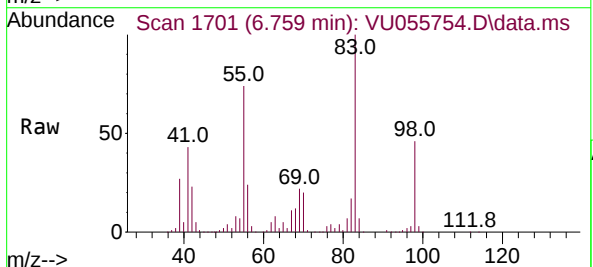
Tgt Ion: 83 Resp: 248173

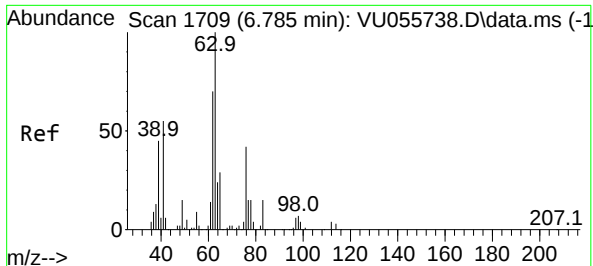
Ion Ratio Lower Upper

83 100

55 76.4 61.2 91.8

98 45.8 35.8 53.6





#37

1,2-Dichloropropane

Concen: 45.265 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

Instrument :

MSVOA_U

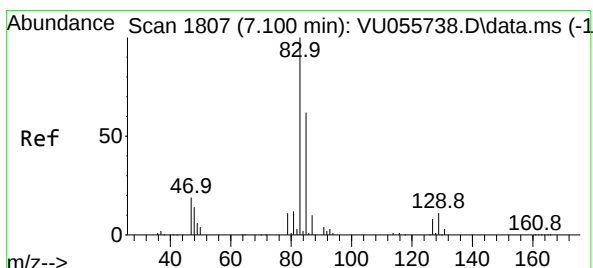
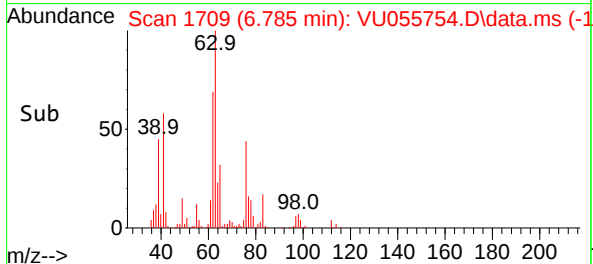
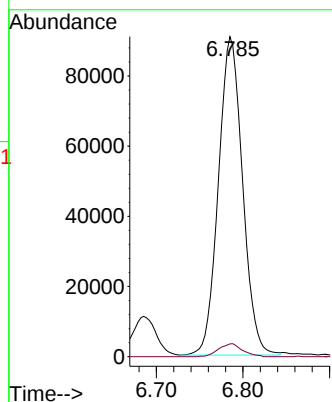
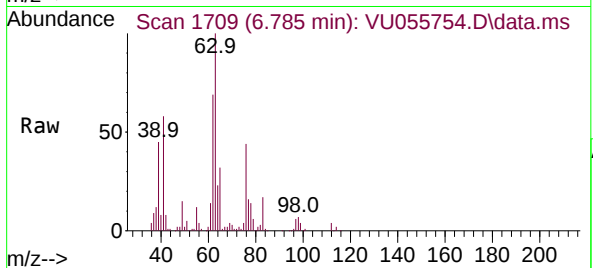
ClientSampleId :

Tgt Ion: 63 Resp: 175915

Ion Ratio Lower Upper

63 100

112 4.0 3.0 4.4



#38

Bromodichloromethane

Concen: 45.732 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

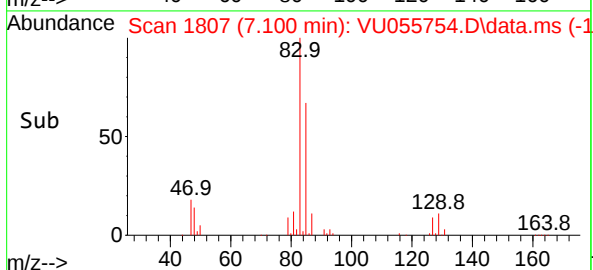
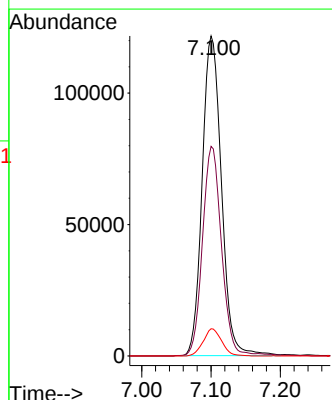
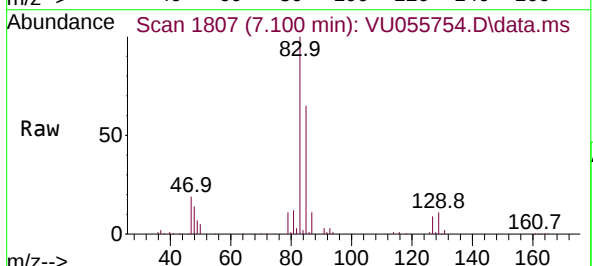
Tgt Ion: 83 Resp: 234380

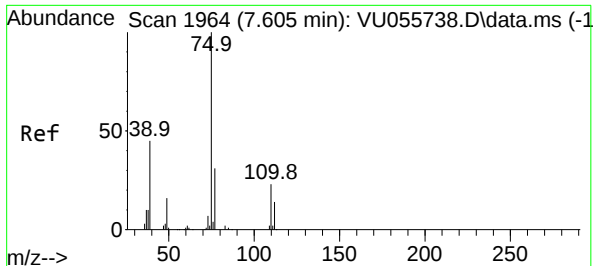
Ion Ratio Lower Upper

83 100

85 65.5 46.0 85.4

127 8.5 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 45.660 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. -0.003 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

Instrument :

MSVOA_U

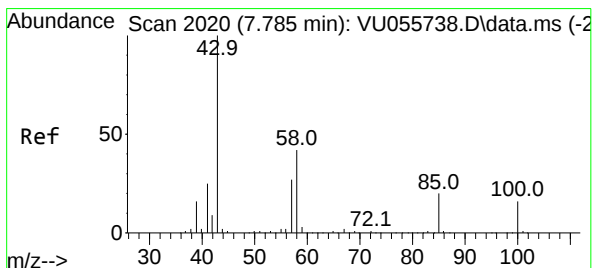
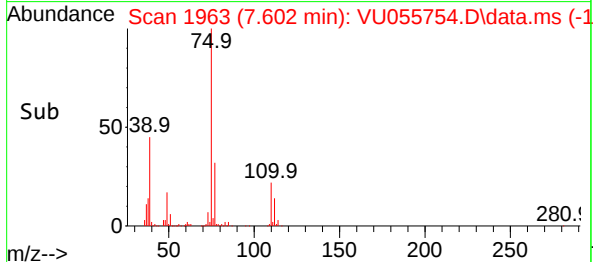
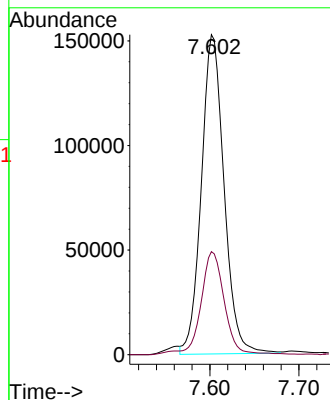
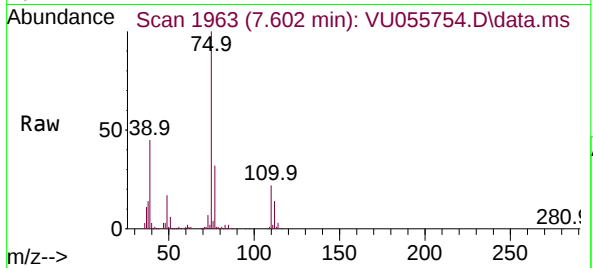
ClientSampleId :

Tgt Ion: 75 Resp: 269967

Ion Ratio Lower Upper

75 100

77 32.2 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 102.322 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.003 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

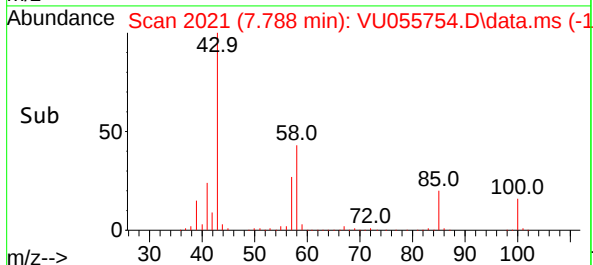
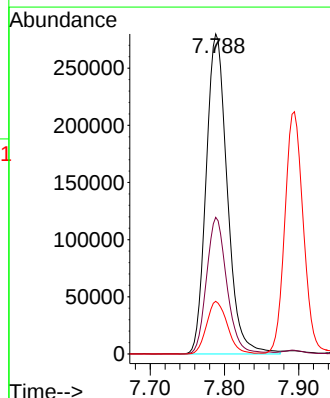
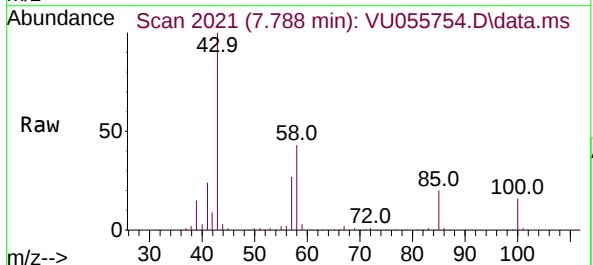
Tgt Ion: 43 Resp: 553211

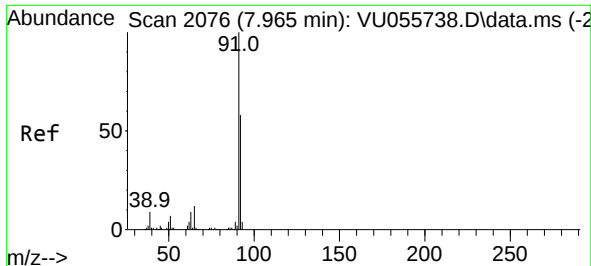
Ion Ratio Lower Upper

43 100

58 41.1 32.3 48.5

100 16.2 12.0 18.0





#42

Toluene

Concen: 46.861 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

Instrument :

MSVOA_U

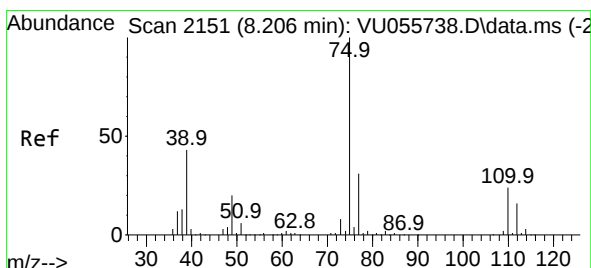
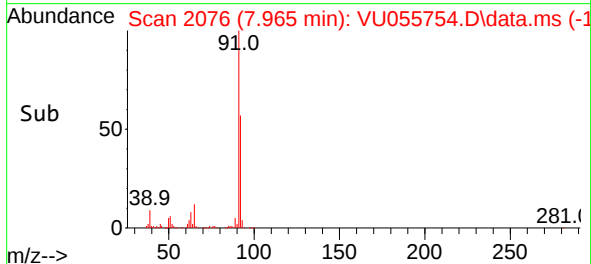
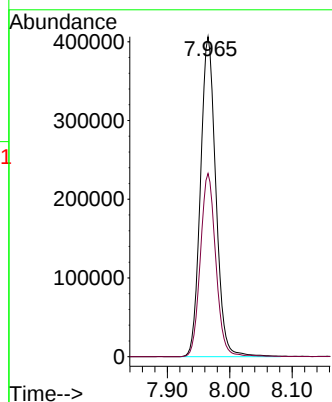
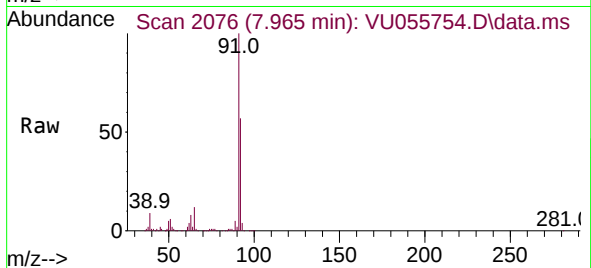
ClientSampleId :

Tgt Ion: 91 Resp: 697867

Ion Ratio Lower Upper

91 100

92 57.2 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 46.976 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU055754.D

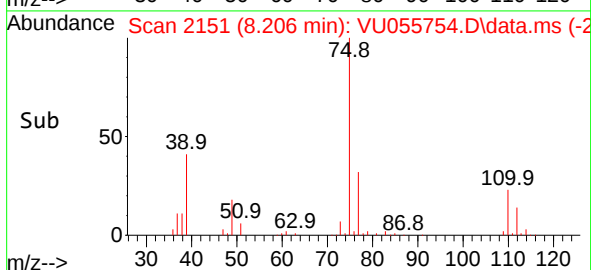
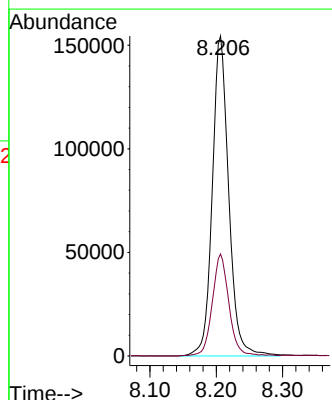
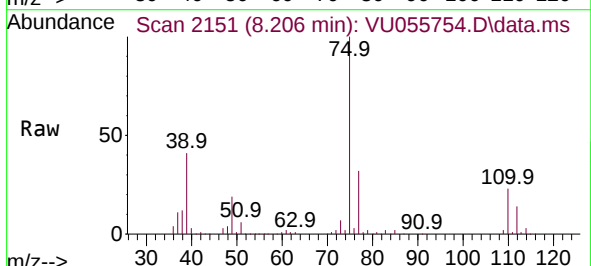
Acq: 11 Oct 2023 17:48

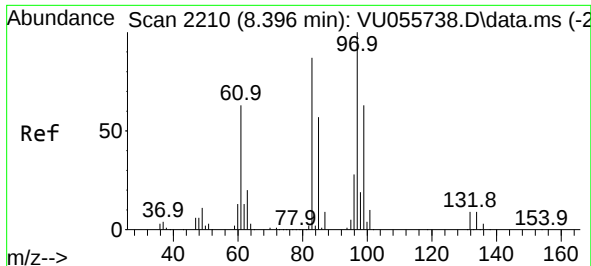
Tgt Ion: 75 Resp: 265747

Ion Ratio Lower Upper

75 100

77 31.9 21.6 40.2



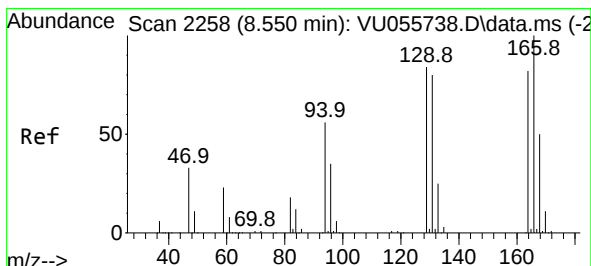
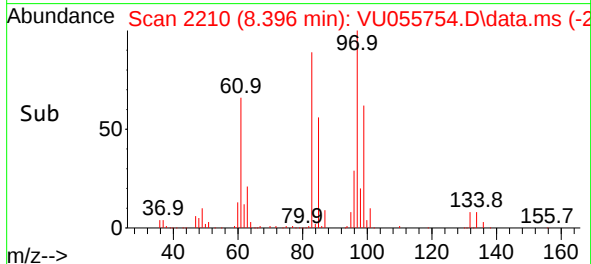
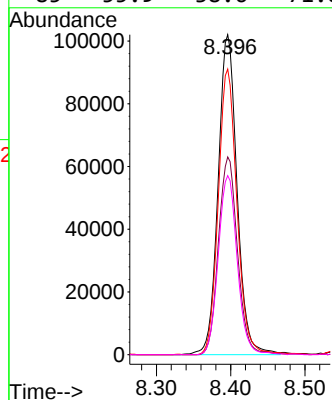
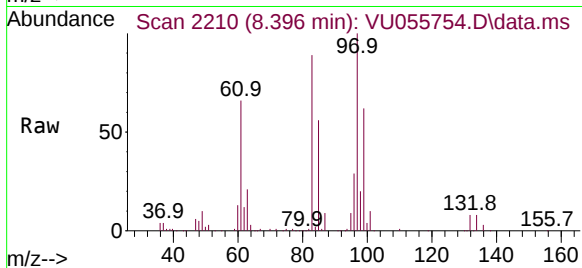


#45
1,1,2-Trichloroethane
Concen: 47.299 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. -0.000 min
Lab File: VU055754.D
Acq: 11 Oct 2023 17:48

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 181257

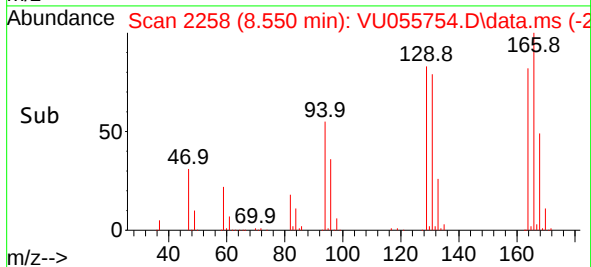
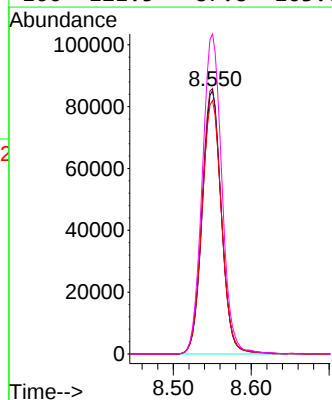
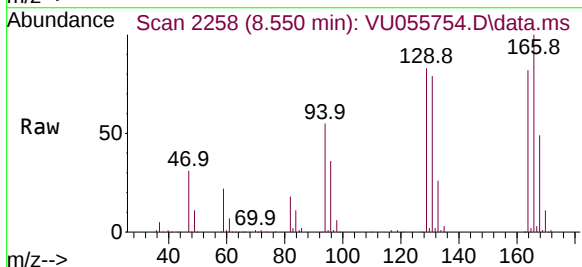
Ion	Ratio	Lower	Upper
97	100		
99	61.8	44.4	82.5
83	89.3	60.4	112.2
85	55.9	38.6	71.8

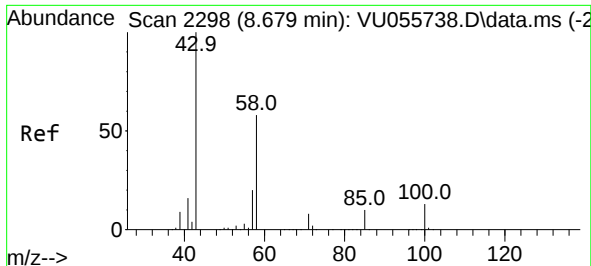


#46
Tetrachloroethene
Concen: 52.364 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU055754.D
Acq: 11 Oct 2023 17:48

Tgt Ion: 164 Resp: 144779

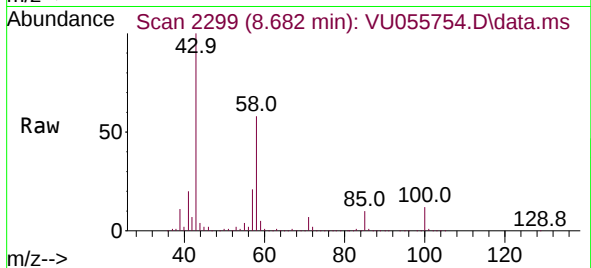
Ion	Ratio	Lower	Upper
164	100		
129	100.8	70.7	131.3
131	96.2	65.9	122.5
166	121.5	87.8	163.0





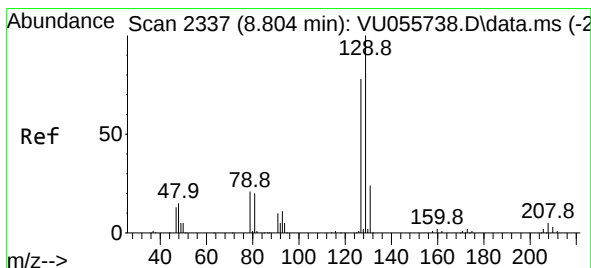
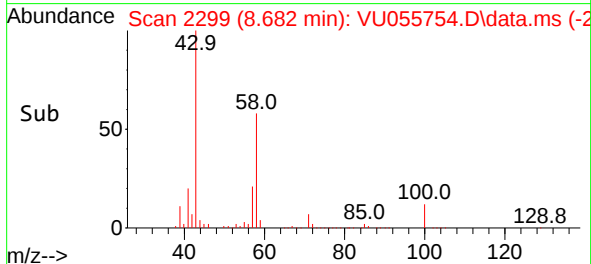
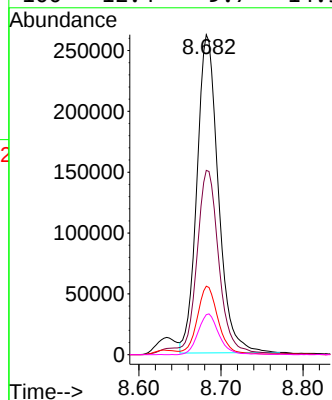
#48
2-Hexanone
Concen: 103.934 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.003 min
Lab File: VU055754.D
Acq: 11 Oct 2023 17:48

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 43 Resp: 474644

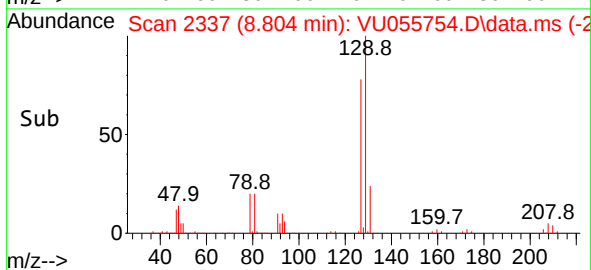
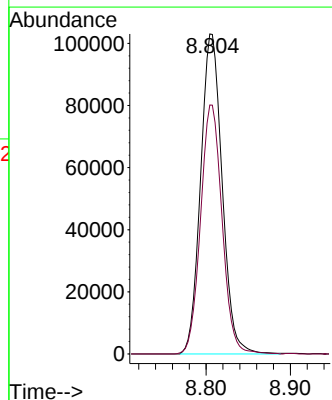
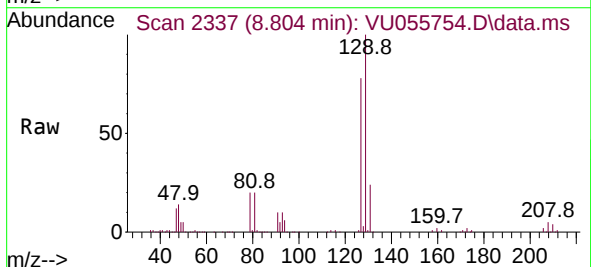
Ion	Ratio	Lower	Upper
43	100		
58	61.4	45.2	67.8
57	20.9	16.1	24.1
100	12.4	9.7	14.5

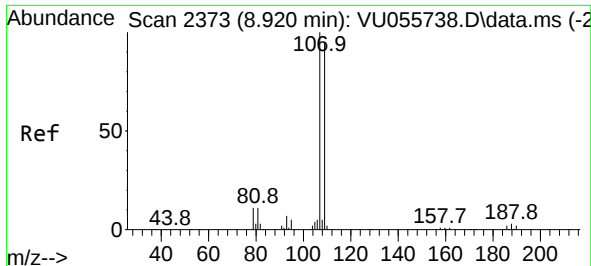


#49
Dibromochloromethane
Concen: 46.819 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU055754.D
Acq: 11 Oct 2023 17:48

Tgt Ion: 129 Resp: 183323

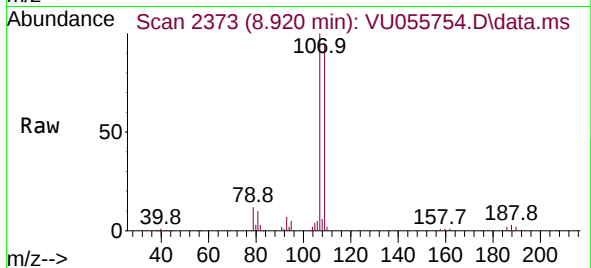
Ion	Ratio	Lower	Upper
129	100		
127	77.8	54.0	100.4



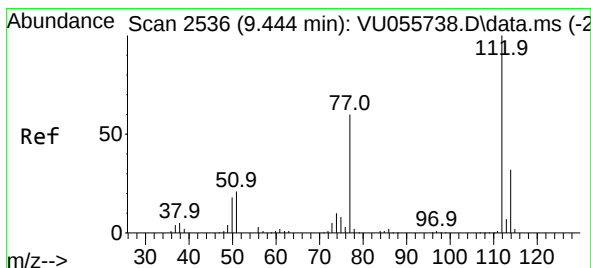
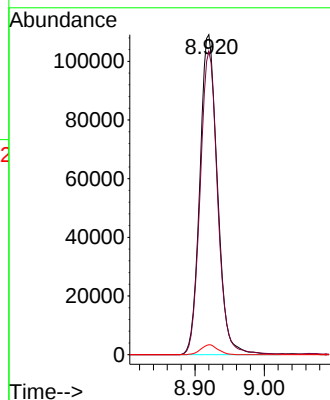
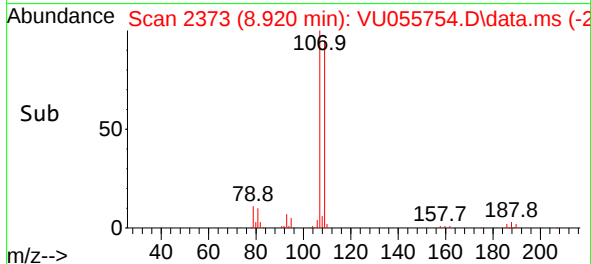


#50
1,2-Dibromoethane
Concen: 46.845 ug/L
RT: 8.920 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055754.D
Acq: 11 Oct 2023 17:48

Instrument :
MSVOA_U
ClientSampleId :

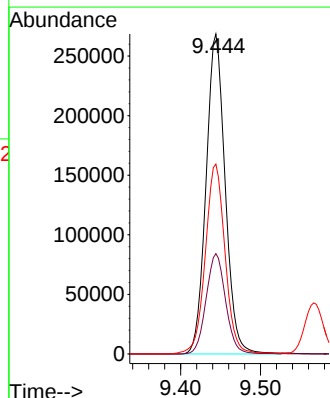
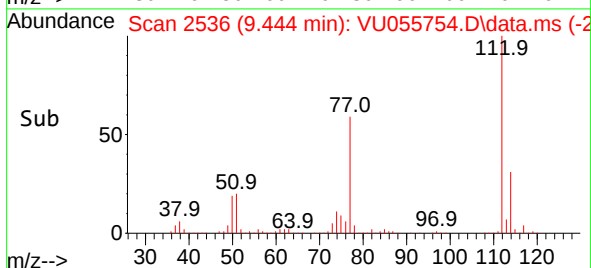
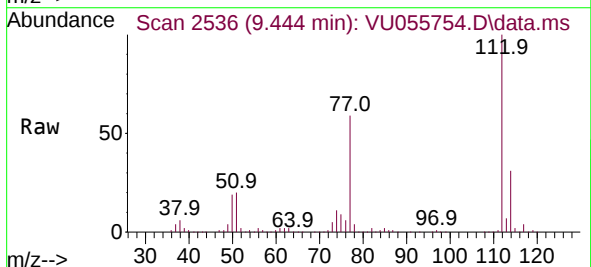


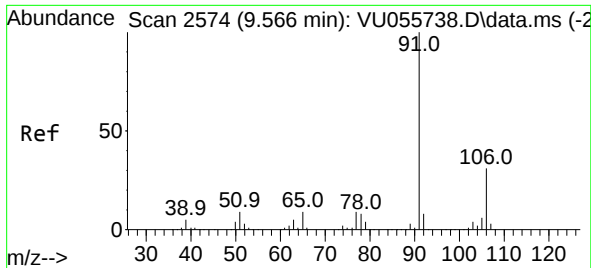
Tgt Ion:107 Resp: 192818
Ion Ratio Lower Upper
107 100
109 94.8 66.7 123.9
188 3.2 2.6 4.0



#51
Chlorobenzene
Concen: 46.443 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. -0.000 min
Lab File: VU055754.D
Acq: 11 Oct 2023 17:48

Tgt Ion:112 Resp: 447496
Ion Ratio Lower Upper
112 100
114 31.4 22.0 40.8
77 59.3 49.0 73.6

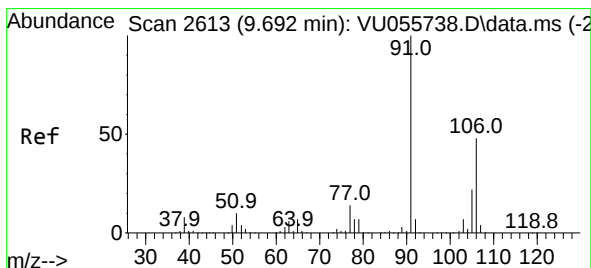
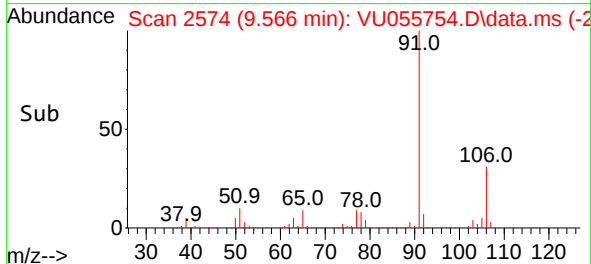
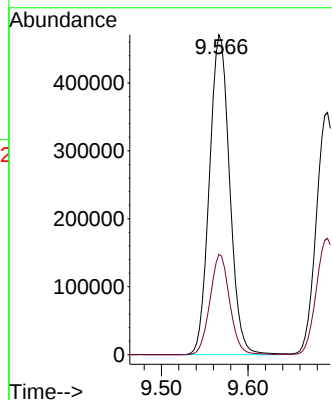
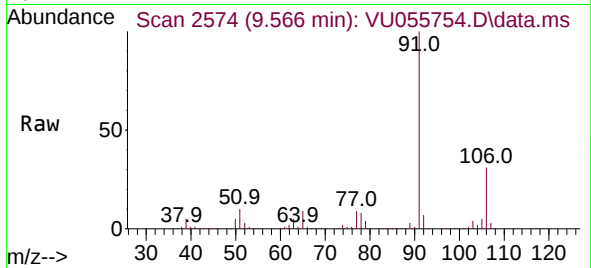




#52
Ethylbenzene
Concen: 47.036 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055754.D
Acq: 11 Oct 2023 17:48

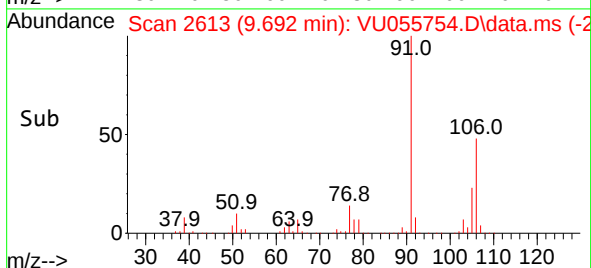
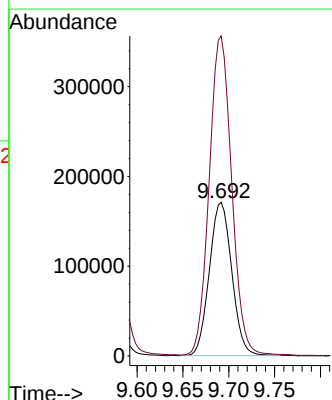
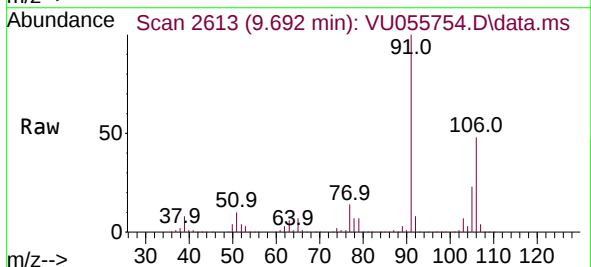
Instrument :
MSVOA_U
ClientSampleId :

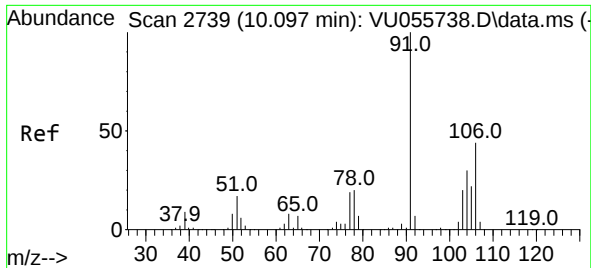
Tgt Ion: 91 Resp: 765816
Ion Ratio Lower Upper
91 100
106 31.4 21.2 39.4



#53
m,p-Xylene
Concen: 47.645 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU055754.D
Acq: 11 Oct 2023 17:48

Tgt Ion: 106 Resp: 290620
Ion Ratio Lower Upper
106 100
91 208.3 143.8 267.0

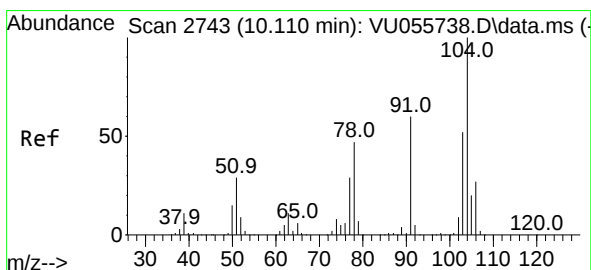
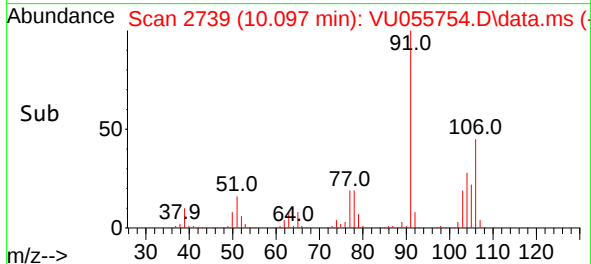
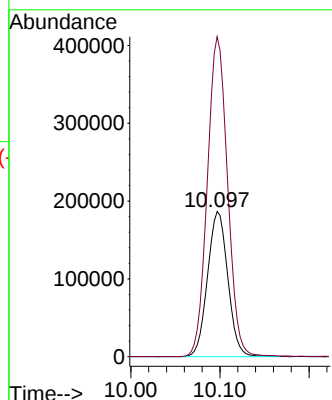
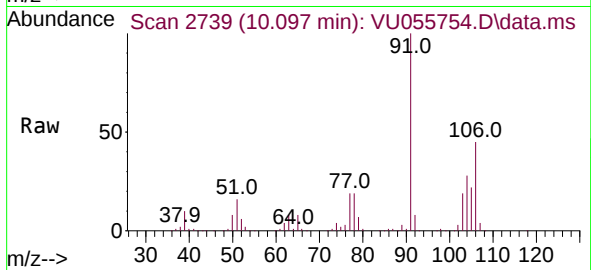




#54
o-Xylene
Concen: 49.956 ug/L
RT: 10.097 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055754.D
Acq: 11 Oct 2023 17:48

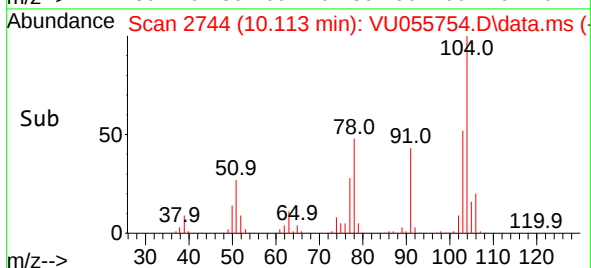
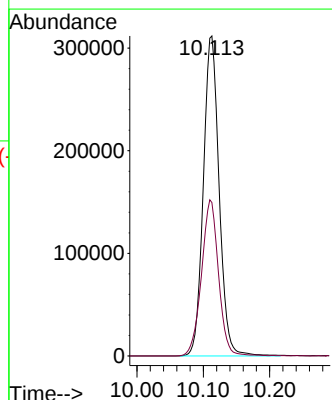
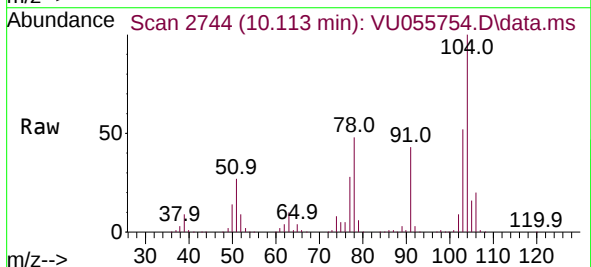
Instrument :
MSVOA_U
ClientSampleId :

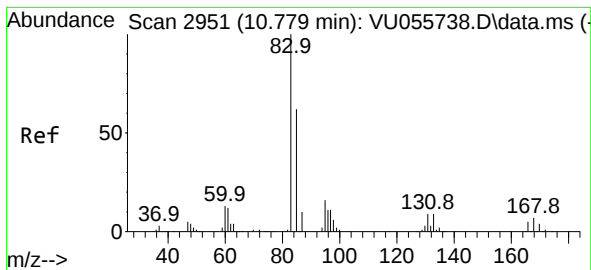
Tgt Ion:106 Resp: 294870
Ion Ratio Lower Upper
106 100
91 220.4 151.8 282.0



#55
Styrene
Concen: 51.794 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.003 min
Lab File: VU055754.D
Acq: 11 Oct 2023 17:48

Tgt Ion:104 Resp: 517903
Ion Ratio Lower Upper
104 100
78 47.9 33.6 62.4

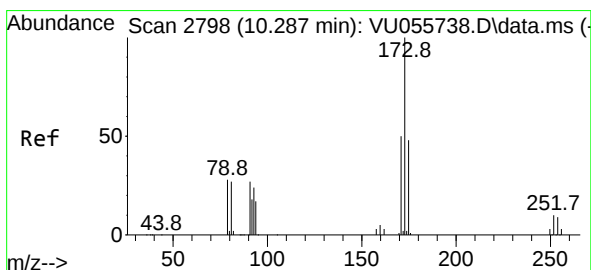
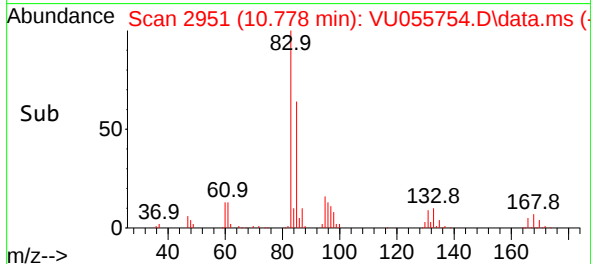
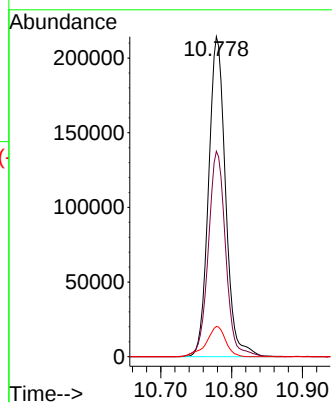
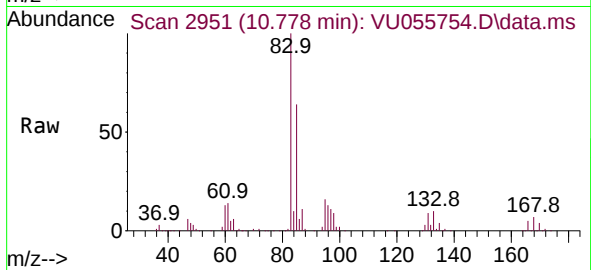




#57
1,1,2,2-Tetrachloroethane
Concen: 54.291 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. -0.000 min
Lab File: VU055754.D
Acq: 11 Oct 2023 17:48

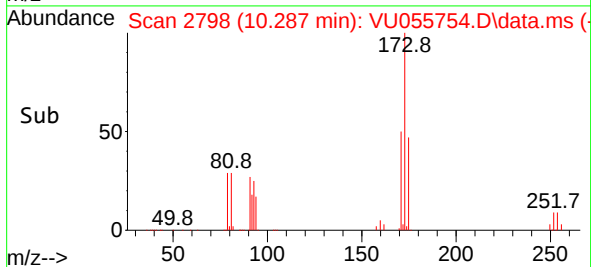
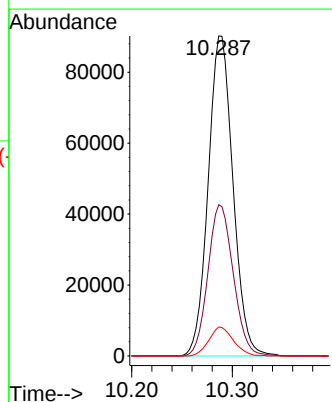
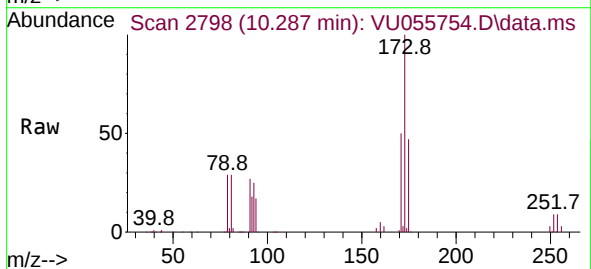
Instrument :
MSVOA_U
ClientSampleId :

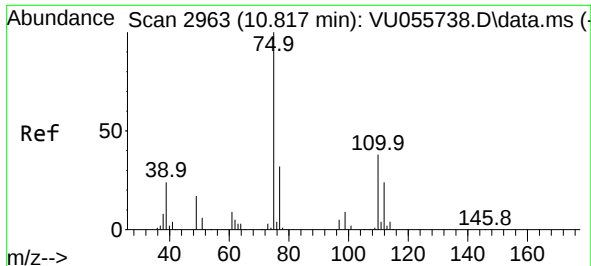
Tgt Ion: 83 Resp: 356238
Ion Ratio Lower Upper
83 100
85 64.2 44.9 83.5
131 9.5 7.3 10.9



#59
Bromoform
Concen: 48.512 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. -0.000 min
Lab File: VU055754.D
Acq: 11 Oct 2023 17:48

Tgt Ion:173 Resp: 154883
Ion Ratio Lower Upper
173 100
175 48.2 40.4 60.6
254 8.9 7.3 10.9

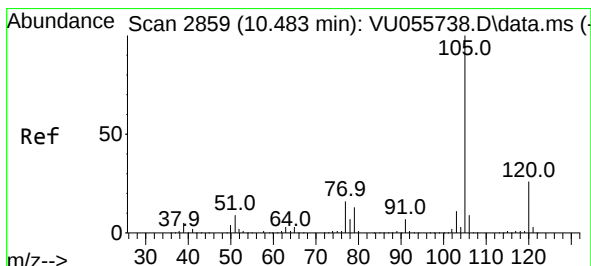
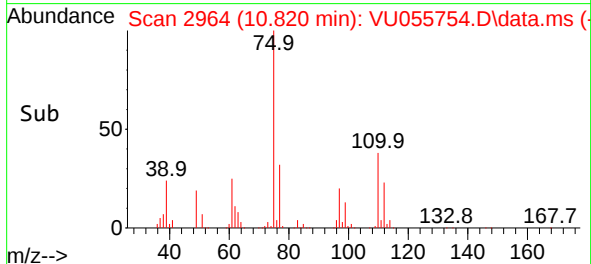
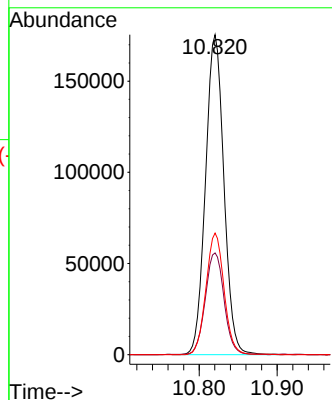
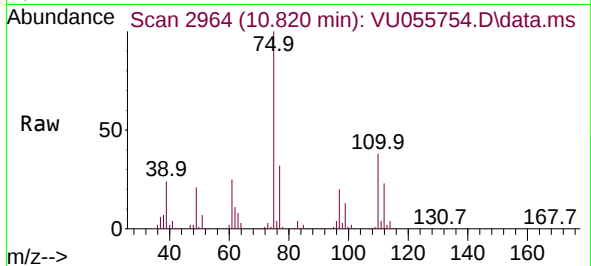




#60
1,2,3-Trichloropropane
Concen: 51.138 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.003 min
Lab File: VU055754.D
Acq: 11 Oct 2023 17:48

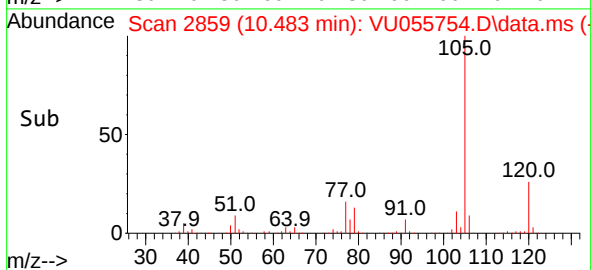
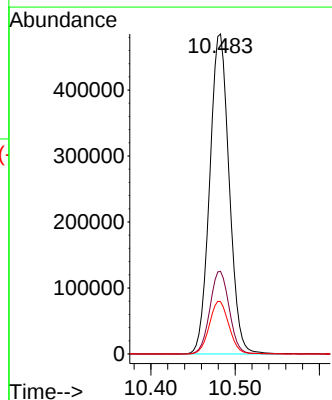
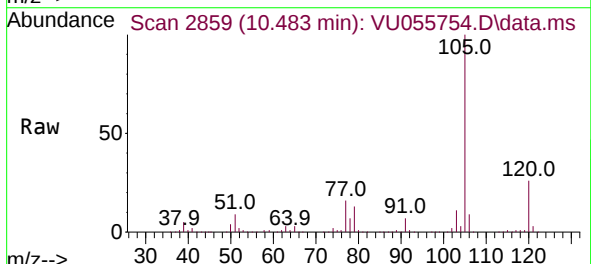
Instrument :
MSVOA_U
ClientSampleId :

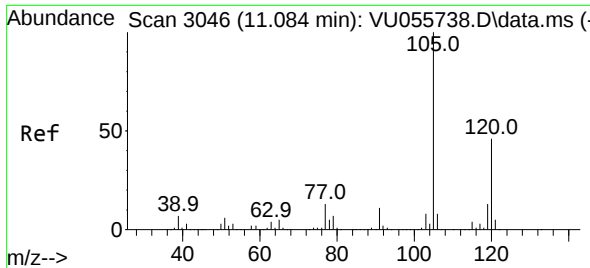
Tgt Ion: 75 Resp: 287837
Ion Ratio Lower Upper
75 100
77 32.6 25.8 38.8
110 37.3 28.5 42.7



#61
Isopropylbenzene
Concen: 48.154 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. -0.000 min
Lab File: VU055754.D
Acq: 11 Oct 2023 17:48

Tgt Ion: 105 Resp: 778558
Ion Ratio Lower Upper
105 100
120 25.7 20.6 30.8
77 16.6 13.4 20.0

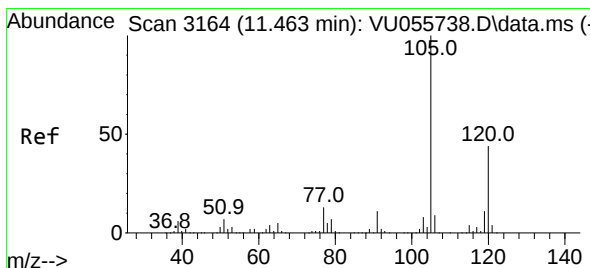
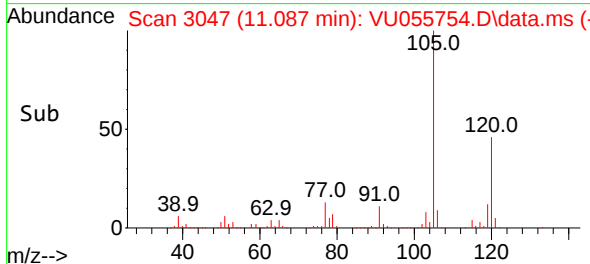
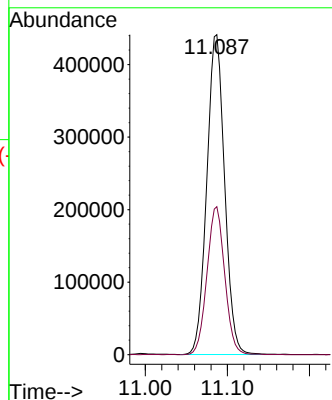
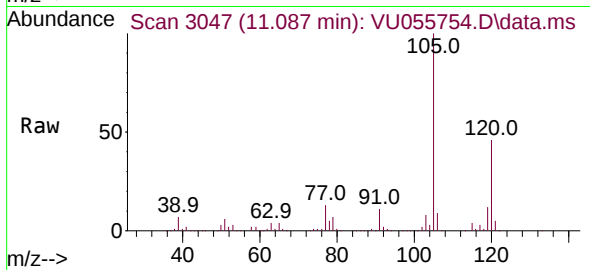




#62
1,3,5-Trimethylbenzene
Concen: 50.930 ug/L
RT: 11.087 min Scan# 3046
Delta R.T. 0.003 min
Lab File: VU055754.D
Acq: 11 Oct 2023 17:48

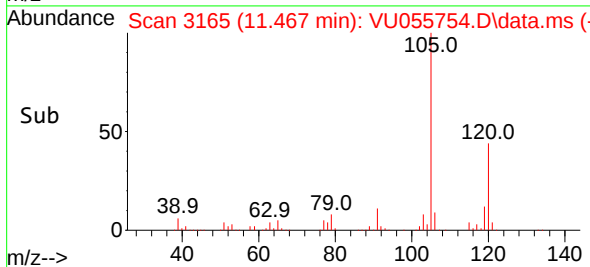
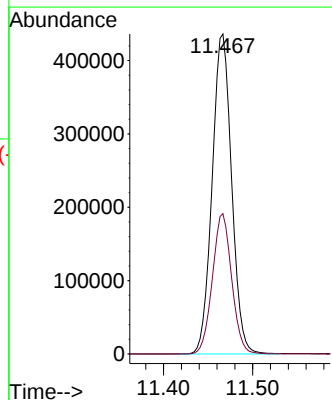
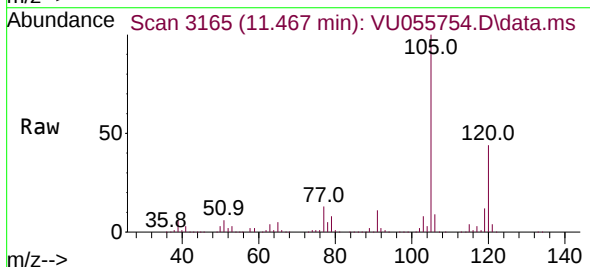
Instrument :
MSVOA_U
ClientSampleId :

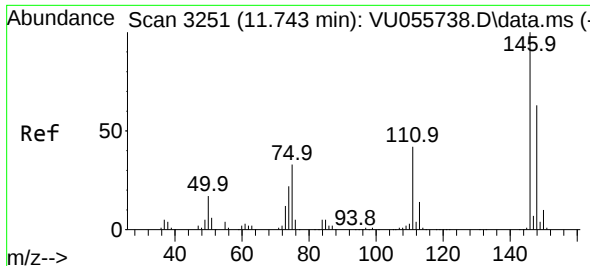
Tgt Ion:105 Resp: 666299
Ion Ratio Lower Upper
105 100
120 46.1 37.7 56.5



#63
1,2,4-Trimethylbenzene
Concen: 51.175 ug/L
RT: 11.467 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VU055754.D
Acq: 11 Oct 2023 17:48

Tgt Ion:105 Resp: 662027
Ion Ratio Lower Upper
105 100
120 43.4 35.0 52.4

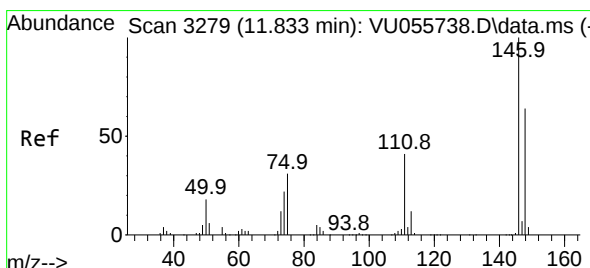
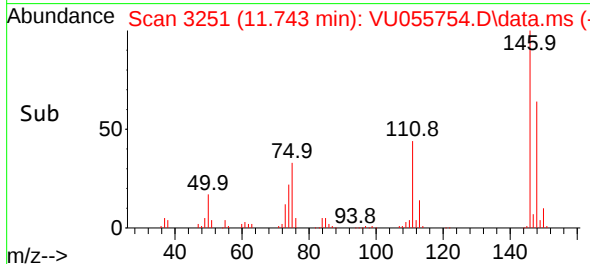
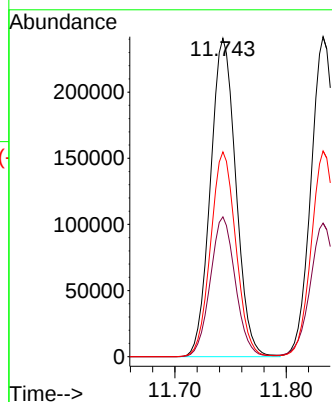
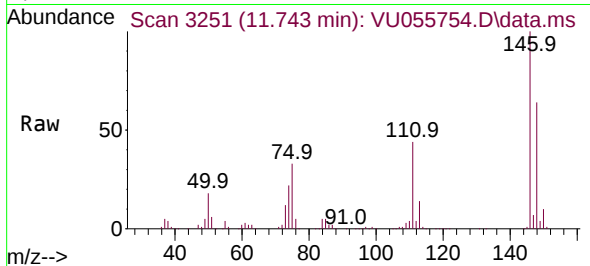




#64
1,3-Dichlorobenzene
Concen: 47.811 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. -0.000 min
Lab File: VU055754.D
Acq: 11 Oct 2023 17:48

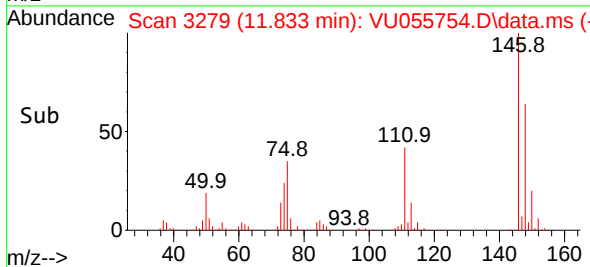
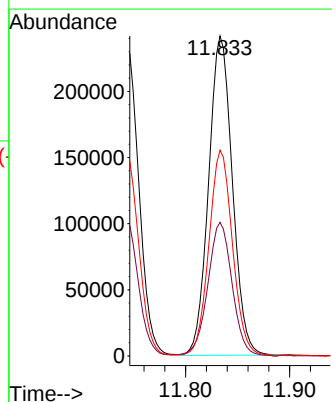
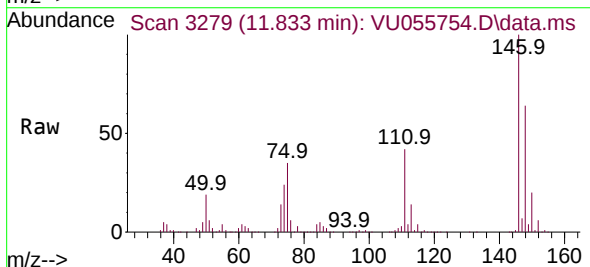
Instrument :
MSVOA_U
ClientSampleId :

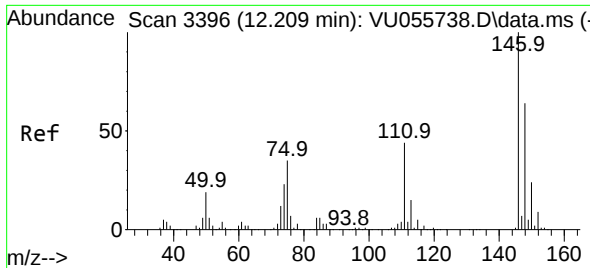
Tgt Ion:146 Resp: 382134
Ion Ratio Lower Upper
146 100
111 43.9 29.7 55.1
148 64.3 45.0 83.6



#65
1,4-Dichlorobenzene
Concen: 46.589 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU055754.D
Acq: 11 Oct 2023 17:48

Tgt Ion:146 Resp: 382843
Ion Ratio Lower Upper
146 100
111 41.8 28.6 53.0
148 64.3 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 49.307 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. -0.000 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

Instrument :

MSVOA_U

ClientSampleId :

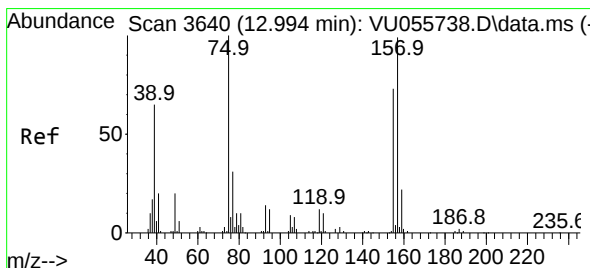
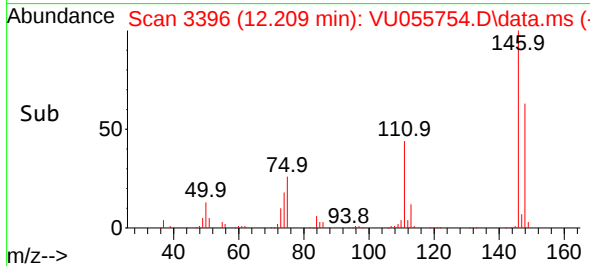
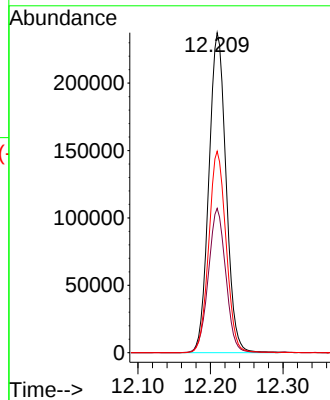
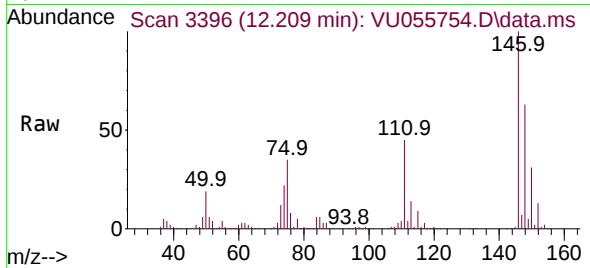
Tgt Ion:146 Resp: 391088

Ion Ratio Lower Upper

146 100

111 45.1 35.2 52.8

148 63.0 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 47.046 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. -0.000 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

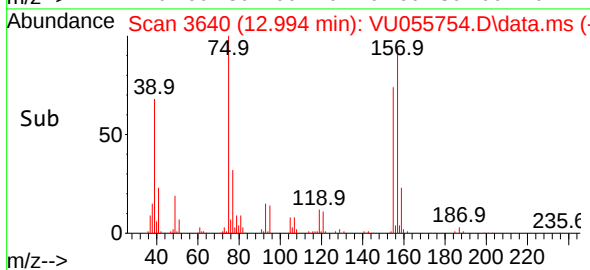
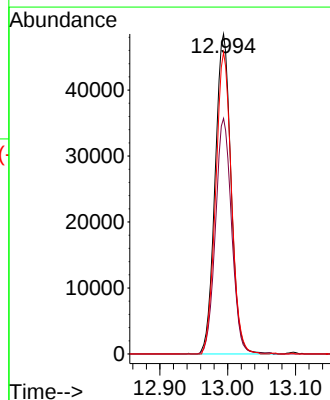
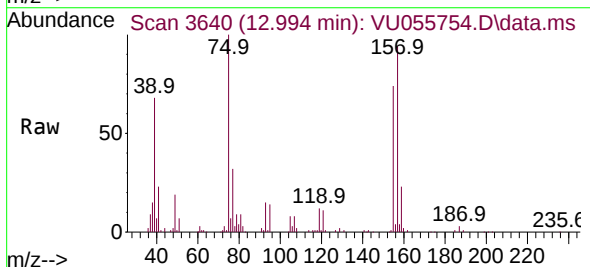
Tgt Ion: 75 Resp: 79167

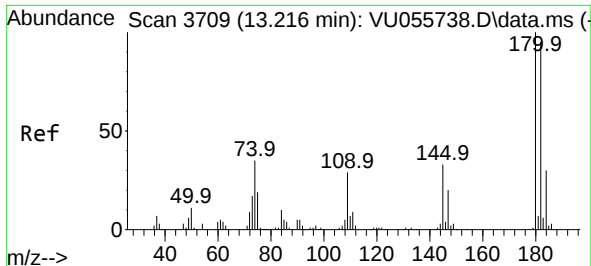
Ion Ratio Lower Upper

75 100

155 73.6 59.6 89.4

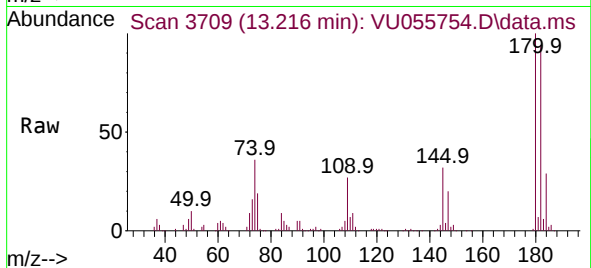
157 98.2 77.7 116.5



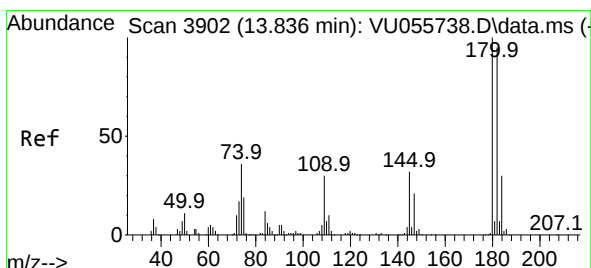
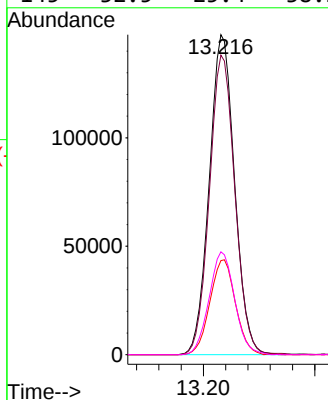
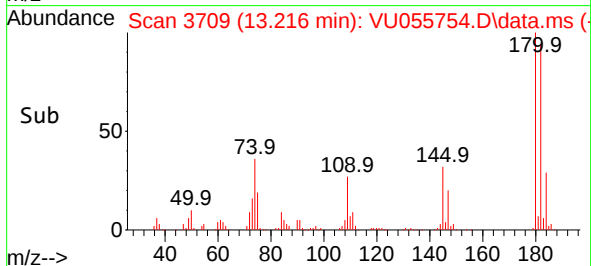


#69
 1,3,5-Trichlorobenzene
 Concen: 43.581 ug/L
 RT: 13.216 min Scan# 3709
 Delta R.T. -0.000 min
 Lab File: VU055754.D
 Acq: 11 Oct 2023 17:48

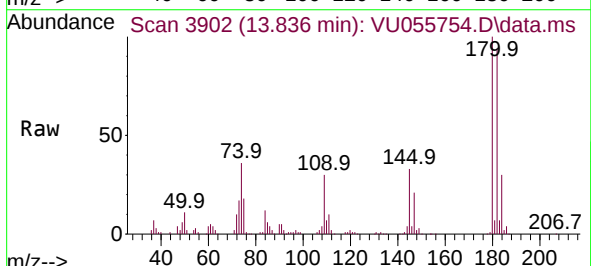
Instrument :
 MSVOA_U
 ClientSampleId :



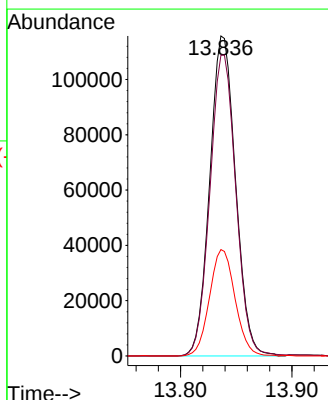
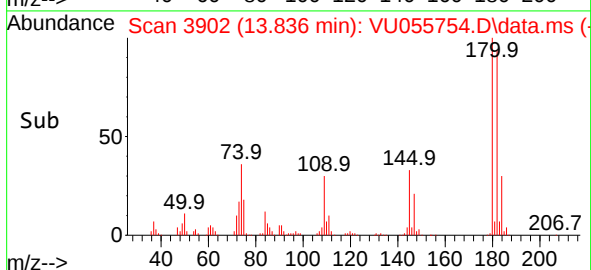
Tgt Ion:180 Resp: 232341
 Ion Ratio Lower Upper
 180 100
 182 94.1 76.2 114.2
 184 30.0 23.9 35.9
 145 32.5 25.4 38.2

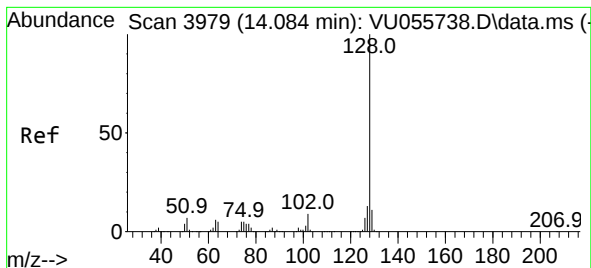


#70
 1,2,4-trichlorobenzene
 Concen: 41.945 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. -0.000 min
 Lab File: VU055754.D
 Acq: 11 Oct 2023 17:48



Tgt Ion:180 Resp: 186266
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.4 113.2
 145 32.9 26.1 39.1





#71

Naphthalene

Concen: 48.481 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. -0.000 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

Instrument :

MSVOA_U

ClientSampleId :

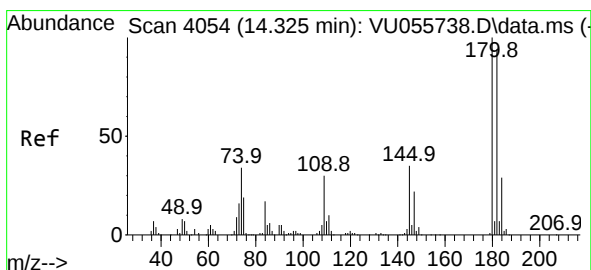
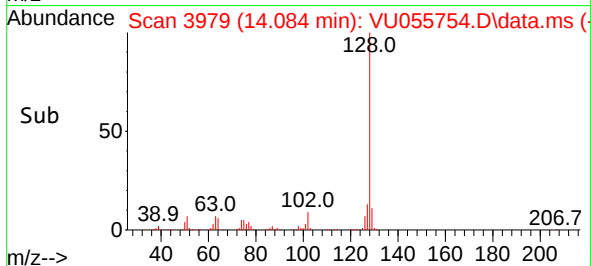
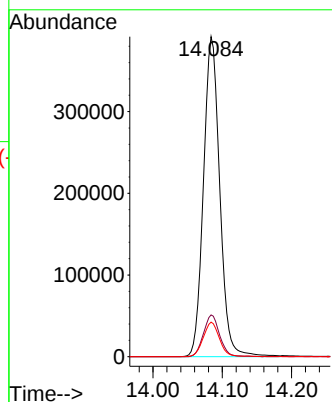
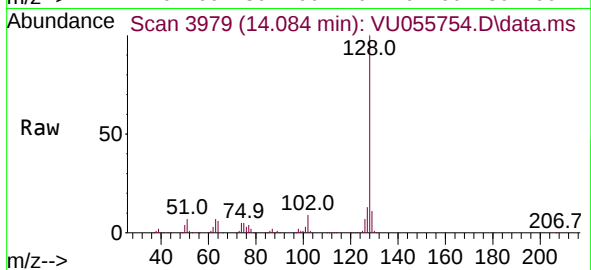
Tgt Ion:128 Resp: 639526

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

129 10.7 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 43.761 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. 0.003 min

Lab File: VU055754.D

Acq: 11 Oct 2023 17:48

Tgt Ion:180 Resp: 191597

Ion Ratio Lower Upper

180 100

182 95.2 78.1 117.1

145 36.3 27.4 41.0

