

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102323\
 Data File : VU055858.D
 Acq On : 23 Oct 2023 16:50
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 23 23:19:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 23 01:04:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	485715	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	488231	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	287844	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	142134	32.624	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.240%
7) Chloroethane-d5	1.888	69	128618	36.116	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	72.240%
11) 1,1-Dichloroethene-d2	2.560	63	310186	39.930	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.860%
21) 2-Butanone-d5	4.615	46	254618	78.872	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	78.870%
24) Chloroform-d	5.055	84	353292	42.300	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.600%
26) 1,2-Dichloroethane-d4	5.695	65	221689	43.123	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.240%
32) Benzene-d6	5.721	84	657568	42.095	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.180%
36) 1,2-Dichloropropane-d6	6.682	67	214614	43.397	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.800%
41) Toluene-d8	7.894	98	593209	42.055	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.120%
43) trans-1,3-Dichloroprop...	8.174	79	97935	41.226	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.460%
47) 2-Hexanone-d5	8.631	63	145604	74.894	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	74.890%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	370568	48.681	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.360%
66) 1,2-Dichlorobenzene-d4	12.190	152	268319	46.974	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.940%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	206101	50.961	ug/L	99
3) Chloromethane	1.518	50	205393	53.672	ug/L	98
5) Vinyl chloride	1.602	62	226036	53.673	ug/L	98
6) Bromomethane	1.830	94	81833	30.396	ug/L	99
8) Chloroethane	1.911	64	140004	50.682	ug/L	99
9) Trichlorofluoromethane	2.126	101	322391	53.580	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	205753	53.171	ug/L	98
12) 1,1-Dichloroethene	2.573	96	183267	53.222	ug/L	81
13) Acetone	2.618	43	277246	92.546	ug/L	98
14) Carbon disulfide	2.785	76	493142	47.060	ug/L	97
15) Methyl Acetate	2.940	43	215374	46.944	ug/L	96
16) Methylene chloride	3.036	84	219942	52.670	ug/L	97
17) trans-1,2-Dichloroethene	3.345	96	185797	52.767	ug/L	96
18) Methyl tert-butyl Ether	3.354	73	652030	57.580	ug/L	99
19) 1,1-Dichloroethane	3.859	63	378057	52.356	ug/L	99
20) cis-1,2-Dichloroethene	4.657	96	219495	54.619	ug/L	99
22) 2-Butanone	4.695	43	344012	95.272	ug/L	98
23) Bromochloromethane	4.965	128	114768	55.144	ug/L	94
25) Chloroform	5.081	83	401710	53.255	ug/L	97

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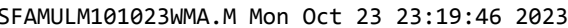
Instrument :
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 ClientSampleId :

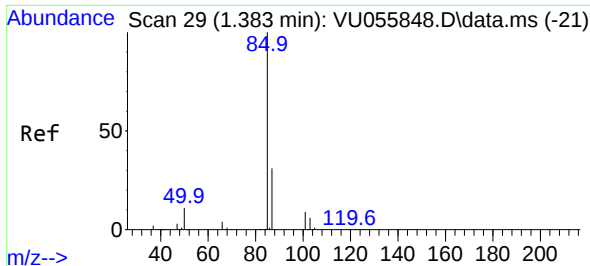
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 Quant Title : VOC Analysis
 QLast Update : Mon Oct 23 01:04:15 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	313336	51.936	ug/L	98
29) Cyclohexane	5.380	56	320013	57.184	ug/L	98
30) 1,1,1-Trichloroethane	5.309	97	344444	54.607	ug/L	98
31) Carbon tetrachloride	5.518	117	294251	53.295	ug/L	98
33) Benzene	5.766	78	833521	54.008	ug/L	100
34) Trichloroethene	6.537	95	225408	53.378	ug/L	98
35) Methylcyclohexane	6.756	83	333886	54.495	ug/L	99
37) 1,2-Dichloropropane	6.782	63	229017	53.889	ug/L	99
38) Bromodichloromethane	7.100	83	299222	53.391	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	358584	55.461	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	637295	107.793	ug/L	97
42) Toluene	7.965	91	904176	55.522	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	334470	54.067	ug/L	97
45) 1,1,2-Trichloroethane	8.393	97	227551	54.302	ug/L	98
46) Tetrachloroethene	8.547	164	162008	53.584	ug/L	98
48) 2-Hexanone	8.682	43	559406	112.019	ug/L	96
49) Dibromochloromethane	8.804	129	231302	54.020	ug/L	99
50) 1,2-Dibromoethane	8.917	107	242551	53.888	ug/L	100
51) Chlorobenzene	9.441	112	578599	54.914	ug/L	99
52) Ethylbenzene	9.566	91	1009479	56.699	ug/L	100
53) m,p-Xylene	9.688	106	393849	59.047	ug/L	96
54) o-Xylene	10.097	106	387895	60.096	ug/L	92
55) Styrene	10.110	104	689992	63.103	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	410187	57.166	ug/L	98
59) Bromoform	10.287	173	189505	53.481	ug/L	97
60) 1,2,3-Trichloropropane	10.817	75	333553	53.394	ug/L	99
61) Isopropylbenzene	10.479	105	1036269	57.748	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	885276	60.969	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	815679	56.811	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	495806	55.893	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	493218	54.079	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	498183	56.592	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	81457	43.615	ug/L	96
69) 1,3,5-Trichlorobenzene	13.216	180	309834	52.363	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	243403	49.386	ug/L	100
71) Naphthalene	14.084	128	684039	46.722	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	240340	49.460	ug/L	97

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

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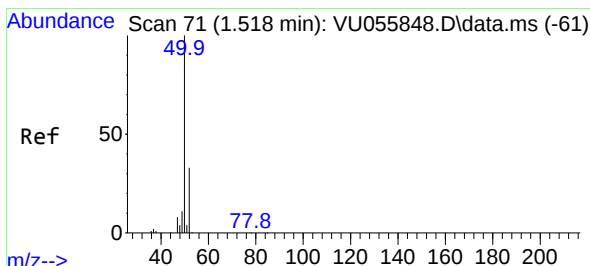
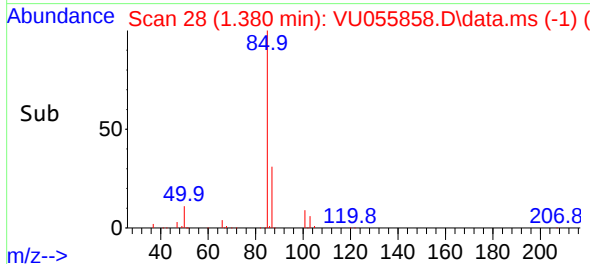
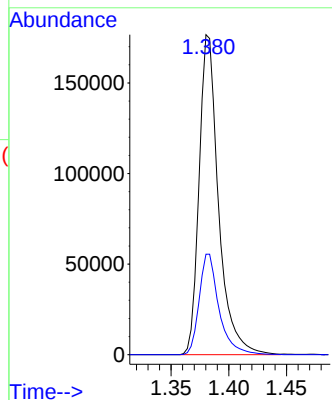
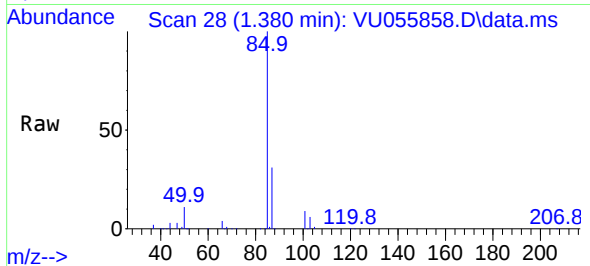




#2
 Dichlorodifluoromethane
 Concen: 50.961 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU055858.D
 Acq: 23 Oct 2023 16:50

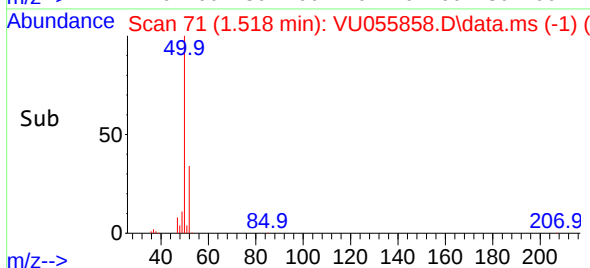
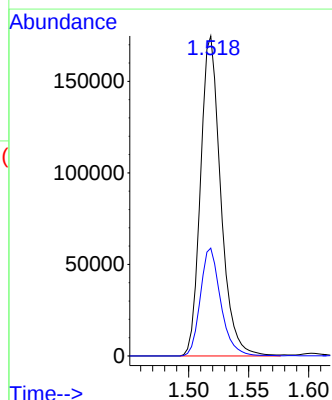
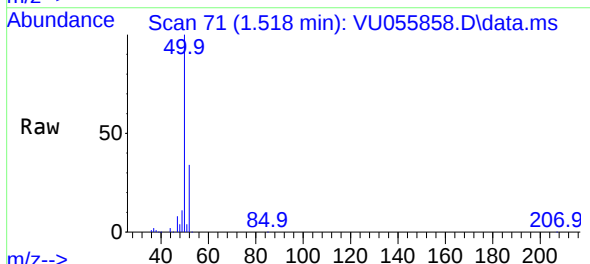
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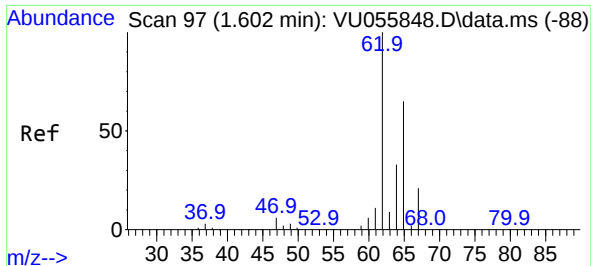
Tgt Ion: 85 Resp: 206101
 Ion Ratio Lower Upper
 85 100
 87 32.1 26.0 39.0



#3
 Chloromethane
 Concen: 53.672 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU055858.D
 Acq: 23 Oct 2023 16:50

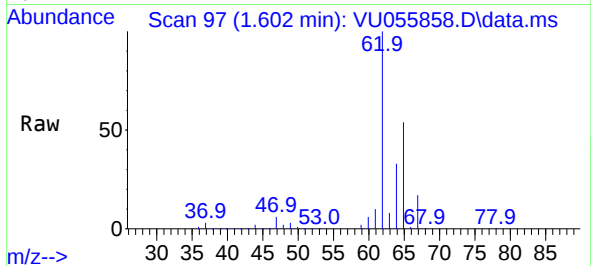
Tgt Ion: 50 Resp: 205393
 Ion Ratio Lower Upper
 50 100
 52 33.7 22.8 42.4



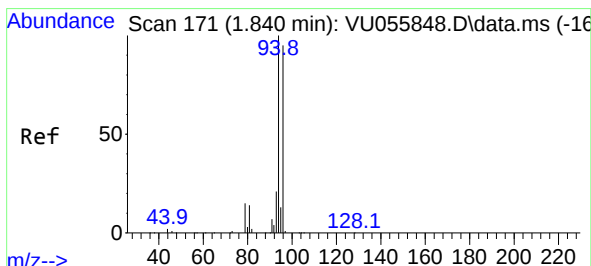
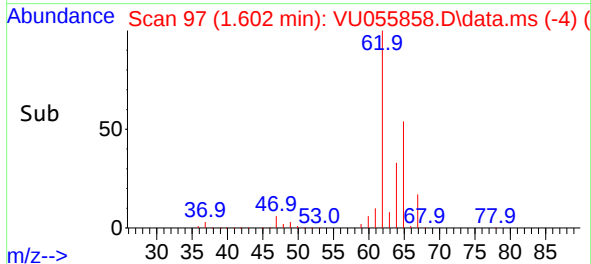
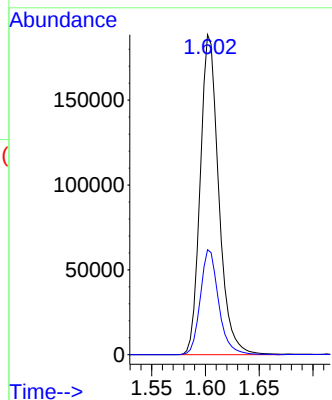


#5
 Vinyl chloride
 Concen: 53.673 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU055858.D
 Acq: 23 Oct 2023 16:50

Instrument :
 MSVOA_U
 ClientSampleId :

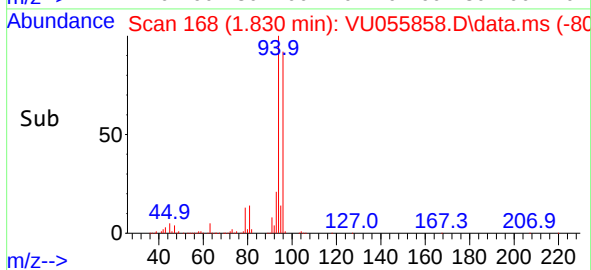
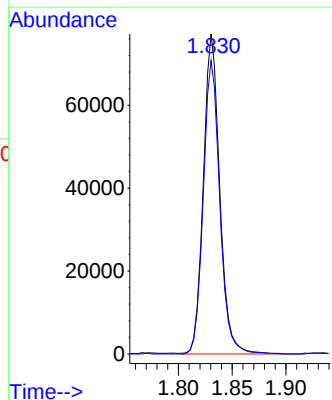
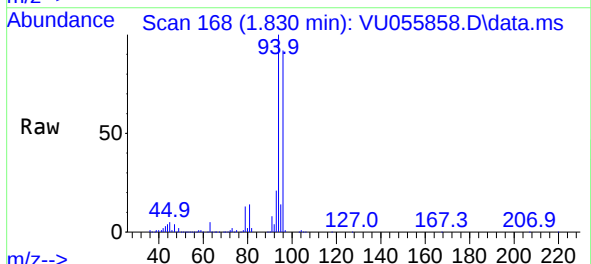


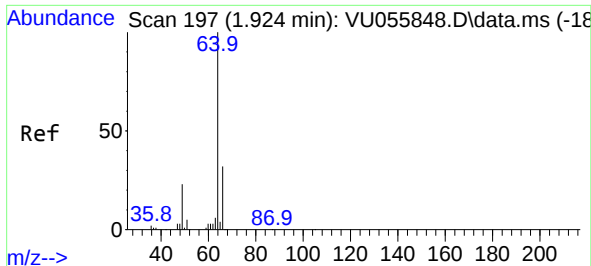
Tgt Ion: 62 Resp: 226036
 Ion Ratio Lower Upper
 62 100
 64 32.8 23.9 44.5



#6
 Bromomethane
 Concen: 30.396 ug/L
 RT: 1.830 min Scan# 168
 Delta R.T. -0.016 min
 Lab File: VU055858.D
 Acq: 23 Oct 2023 16:50

Tgt Ion: 94 Resp: 81833
 Ion Ratio Lower Upper
 94 100
 96 91.7 63.5 117.9

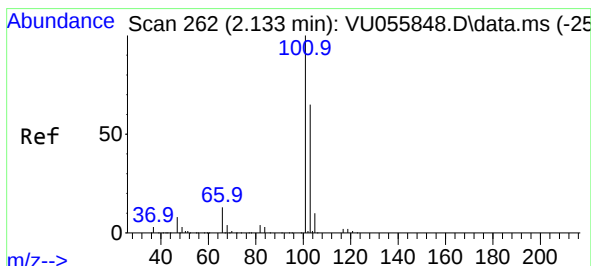
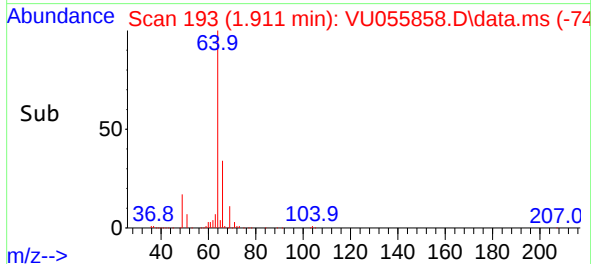
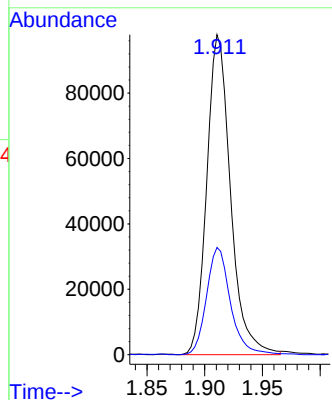
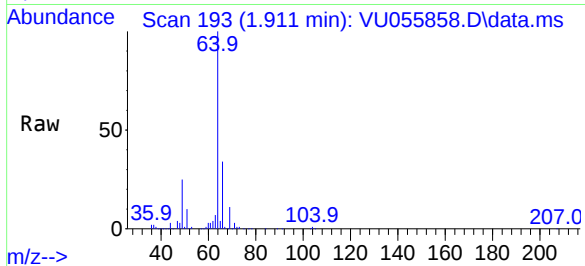




#8
Chloroethane
Concen: 50.682 ug/L
RT: 1.911 min Scan# 19
Delta R.T. -0.016 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

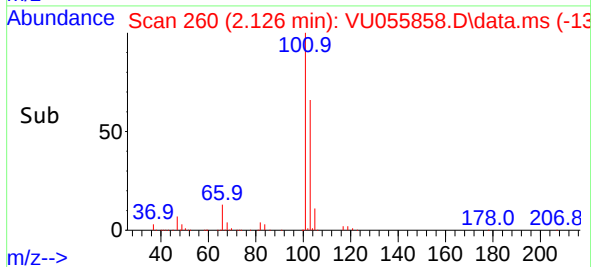
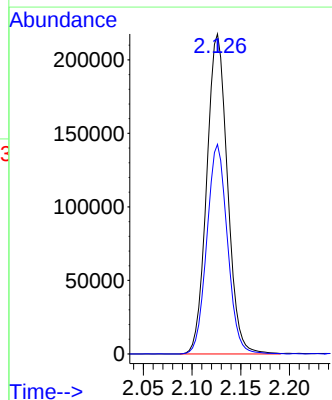
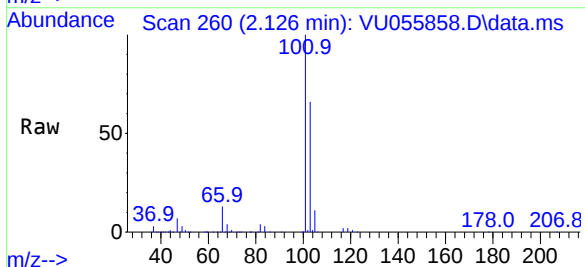
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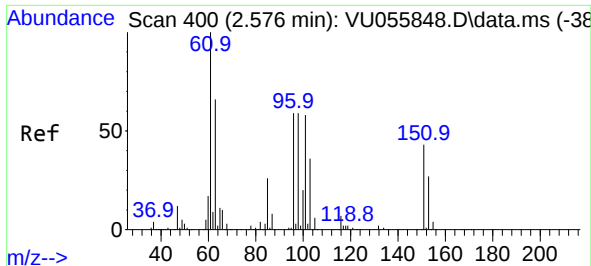
Tgt Ion: 64 Resp: 140004
Ion Ratio Lower Upper
64 100
66 33.5 22.9 42.5



#9
Trichlorofluoromethane
Concen: 53.580 ug/L
RT: 2.126 min Scan# 260
Delta R.T. -0.010 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

Tgt Ion:101 Resp: 322391
Ion Ratio Lower Upper
101 100
103 64.9 51.3 76.9

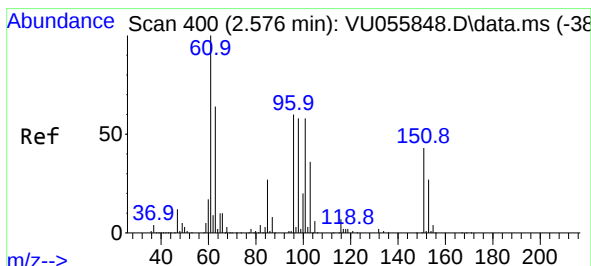
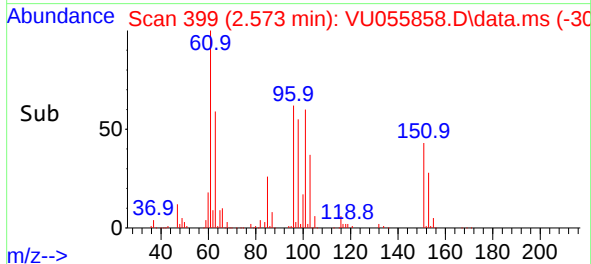
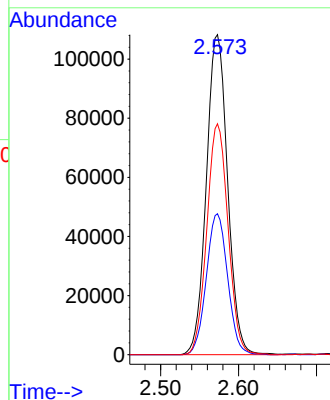
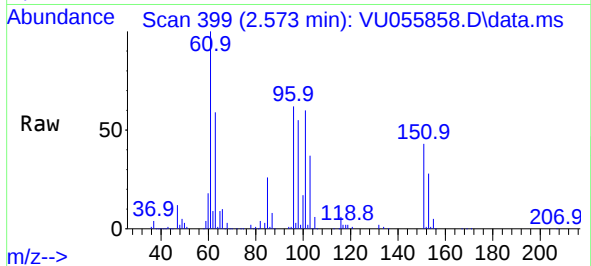




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 53.171 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.006 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

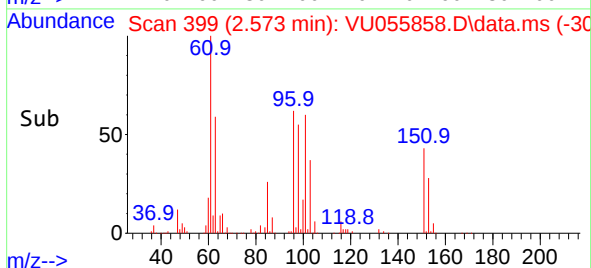
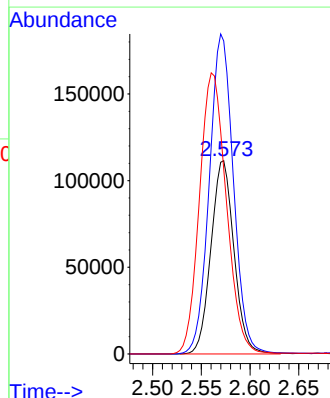
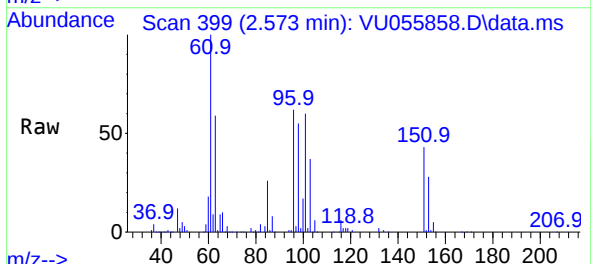
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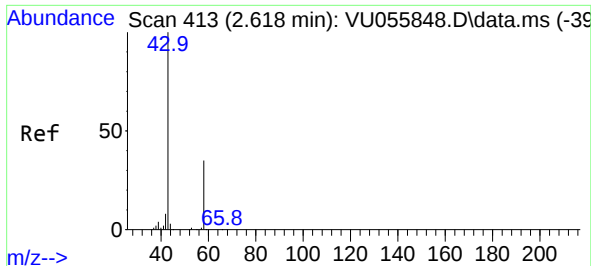
Tgt Ion:101 Resp: 205753
Ion Ratio Lower Upper
101 100
85 44.0 37.1 55.7
151 72.1 58.2 87.4



#12
1,1-Dichloroethene
Concen: 53.222 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

Tgt Ion: 96 Resp: 183267
Ion Ratio Lower Upper
96 100
61 161.9 122.0 226.6
63 95.7 93.7 174.1





#13

Acetone

Concen: 92.546 ug/L

RT: 2.618 min Scan# 413

Delta R.T. 0.000 min

Lab File: VU055858.D

Acq: 23 Oct 2023 16:50

Instrument :

MSVOA_U

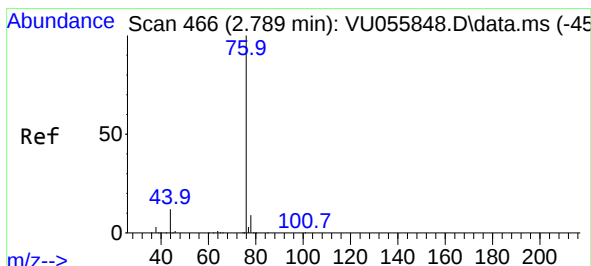
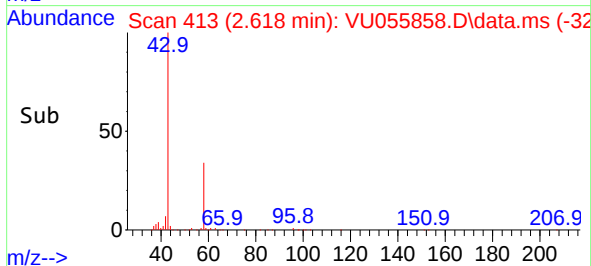
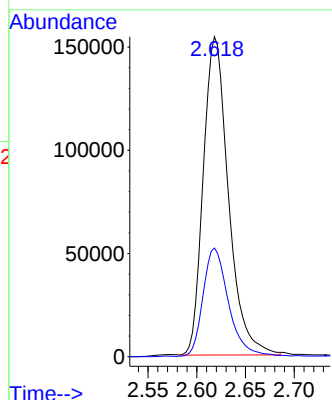
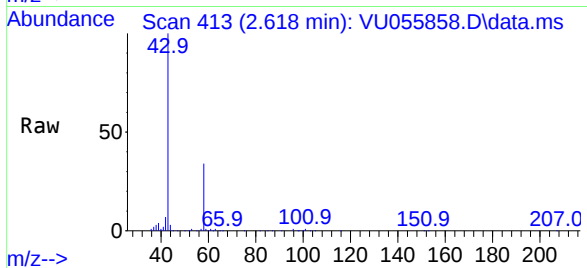
ClientSampleId :

Tgt Ion: 43 Resp: 277246

Ion Ratio Lower Upper

43 100

58 34.7 0.0 67.4



#14

Carbon disulfide

Concen: 47.060 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.006 min

Lab File: VU055858.D

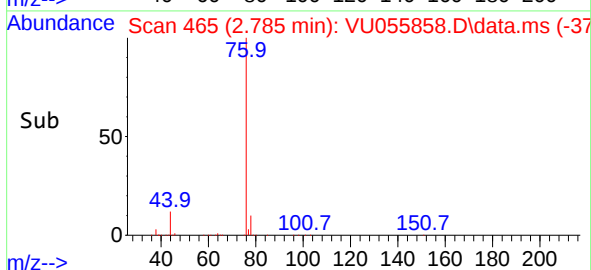
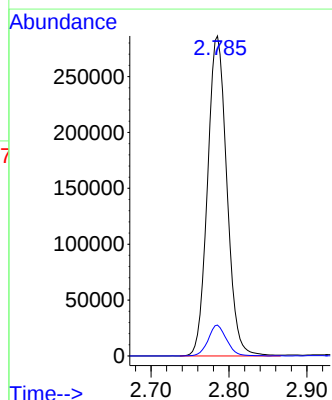
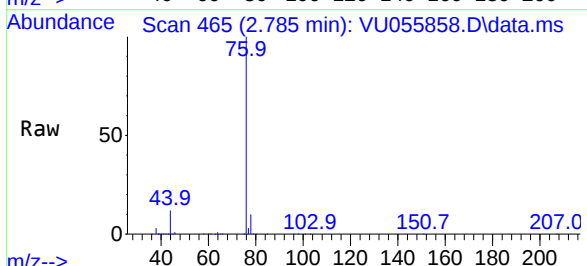
Acq: 23 Oct 2023 16:50

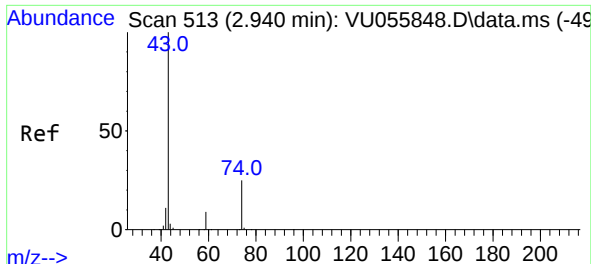
Tgt Ion: 76 Resp: 493142

Ion Ratio Lower Upper

76 100

78 9.6 6.8 10.2

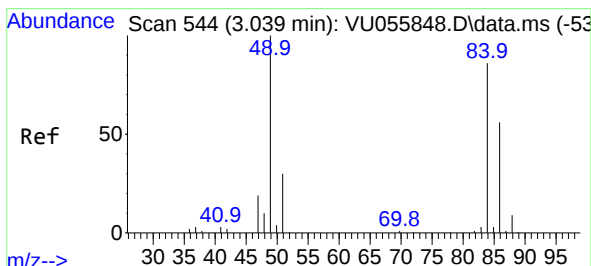
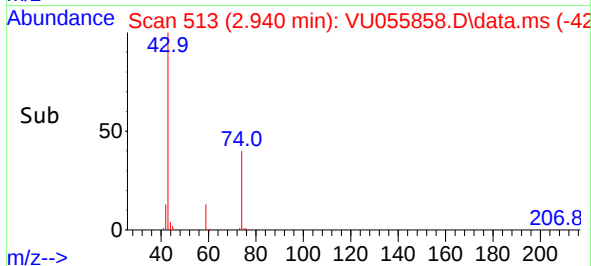
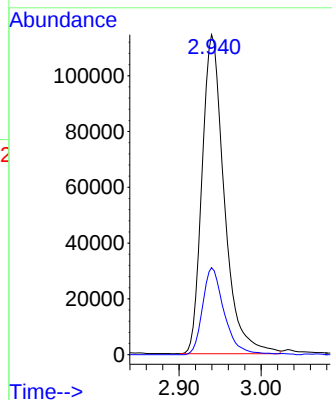
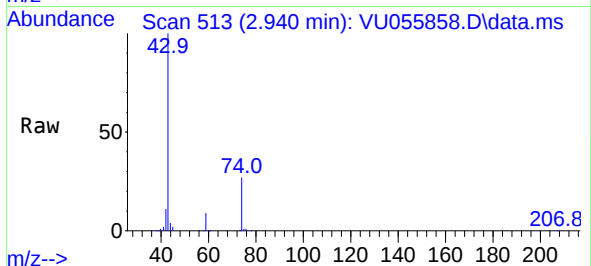




#15
Methyl Acetate
Concen: 46.944 ug/L
RT: 2.940 min Scan# 513
Delta R.T. 0.000 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

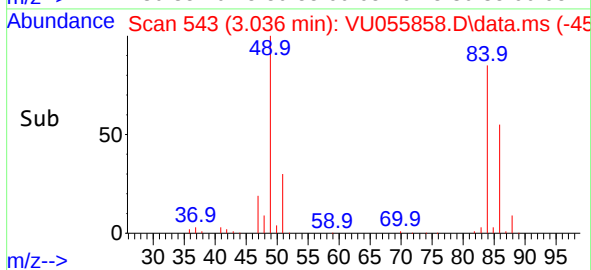
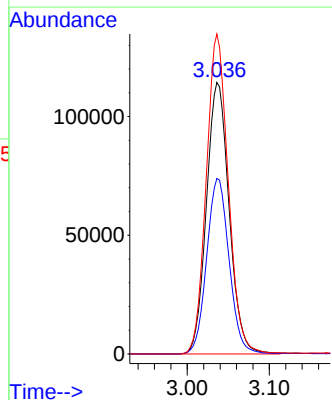
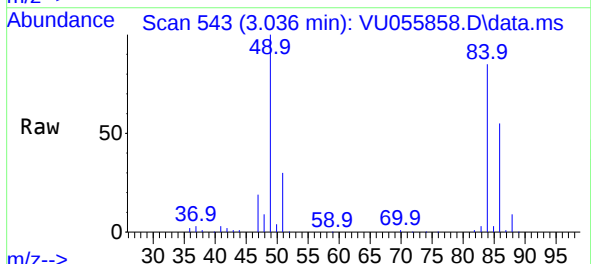
Instrument :
MSVOA_U
ClientSampleId :

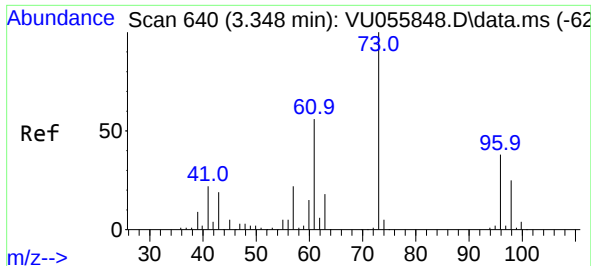
Tgt Ion: 43 Resp: 215374
Ion Ratio Lower Upper
43 100
74 26.4 19.5 29.3



#16
Methylene chloride
Concen: 52.670 ug/L
RT: 3.036 min Scan# 543
Delta R.T. -0.003 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

Tgt Ion: 84 Resp: 219942
Ion Ratio Lower Upper
84 100
86 64.6 46.3 86.1
49 117.8 84.8 157.6

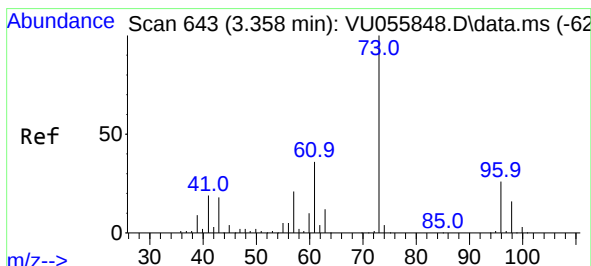
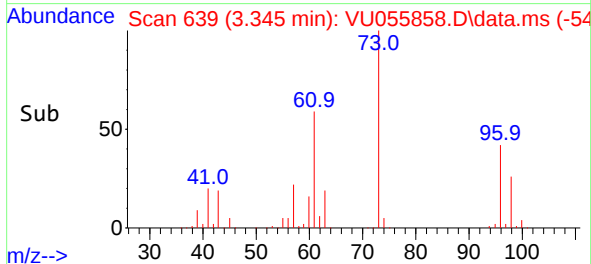
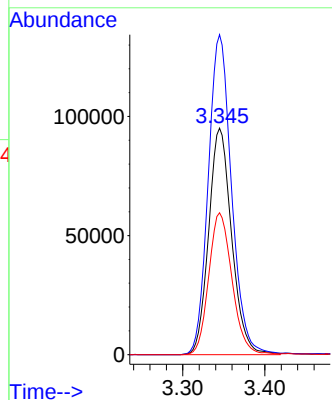
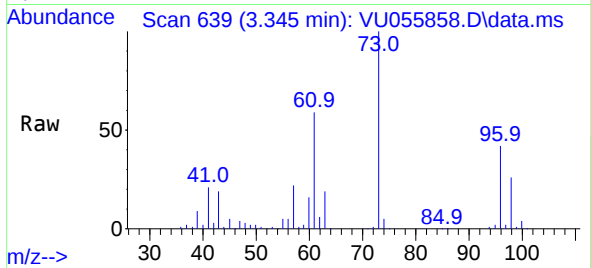




#17
trans-1,2-Dichloroethene
Concen: 52.767 ug/L
RT: 3.345 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

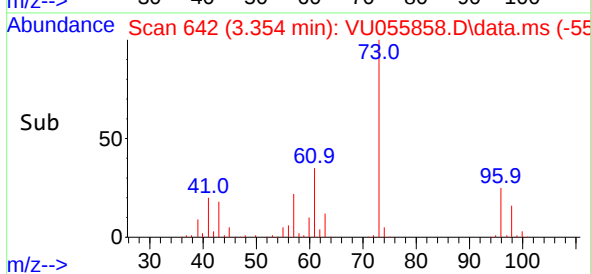
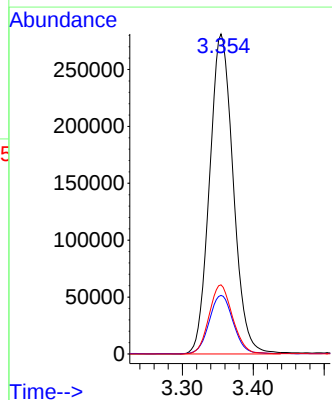
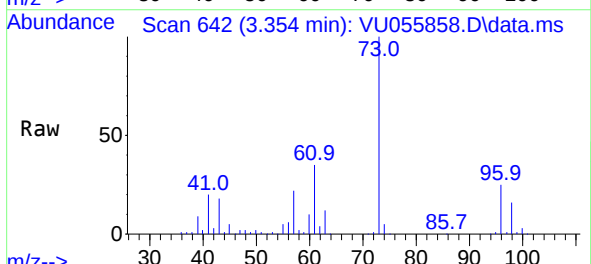
Instrument :
MSVOA_U
ClientSampleId :

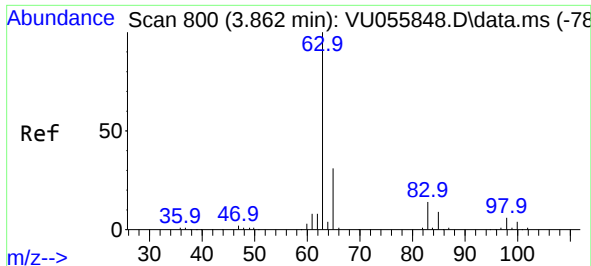
Tgt Ion: 96 Resp: 185797
Ion Ratio Lower Upper
96 100
61 141.3 102.1 189.7
98 62.6 46.3 86.1



#18
Methyl tert-butyl Ether
Concen: 57.580 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.003 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

Tgt Ion: 73 Resp: 652030
Ion Ratio Lower Upper
73 100
43 18.5 15.4 23.2
57 21.5 17.7 26.5





#19

1,1-Dichloroethane

Concen: 52.356 ug/L

RT: 3.859 min Scan# 79

Delta R.T. -0.003 min

Lab File: VU055858.D

Acq: 23 Oct 2023 16:50

Instrument :

MSVOA_U

ClientSampleId :

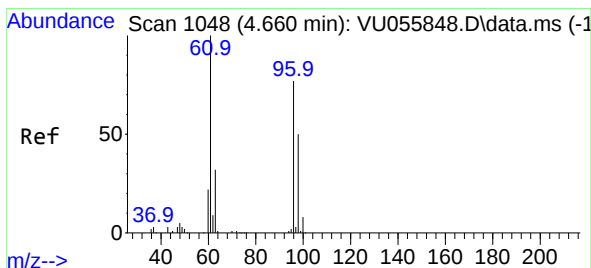
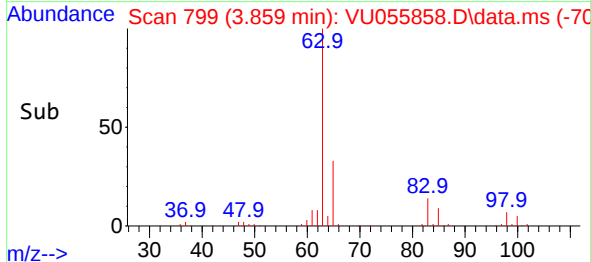
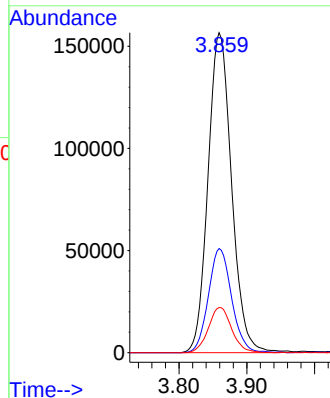
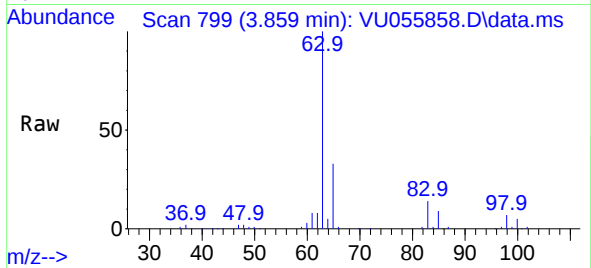
Tgt Ion: 63 Resp: 378057

Ion Ratio Lower Upper

63 100

65 32.6 22.3 41.5

83 14.1 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 54.619 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. -0.006 min

Lab File: VU055858.D

Acq: 23 Oct 2023 16:50

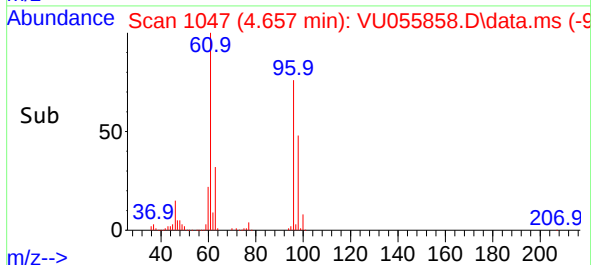
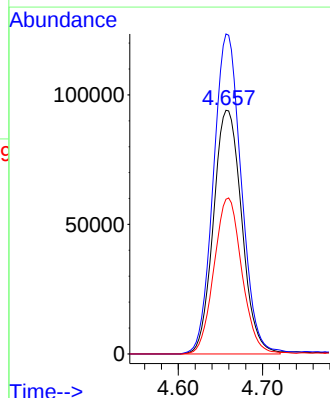
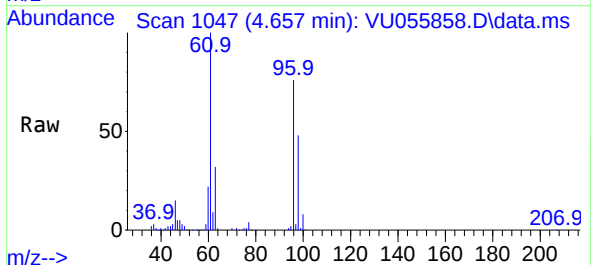
Tgt Ion: 96 Resp: 219495

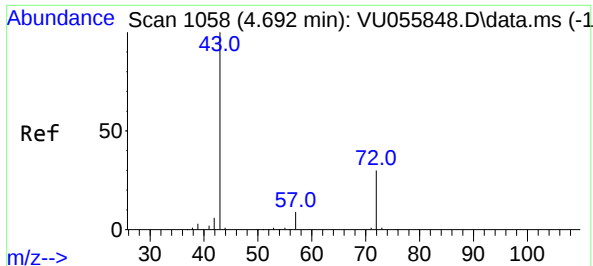
Ion Ratio Lower Upper

96 100

61 131.3 92.3 171.5

98 63.5 43.9 81.5

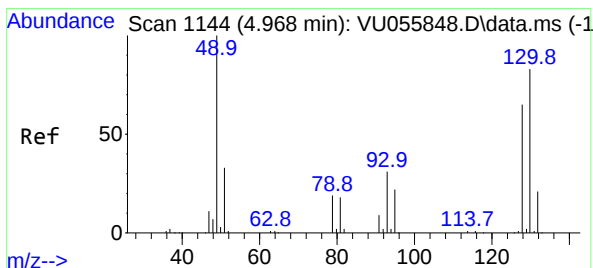
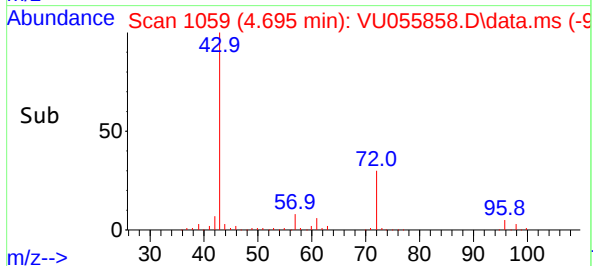
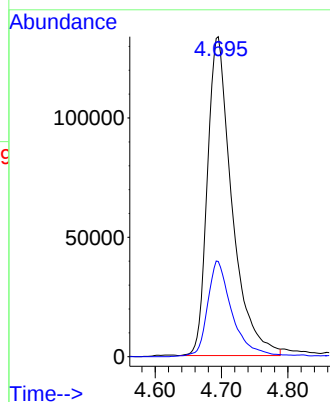
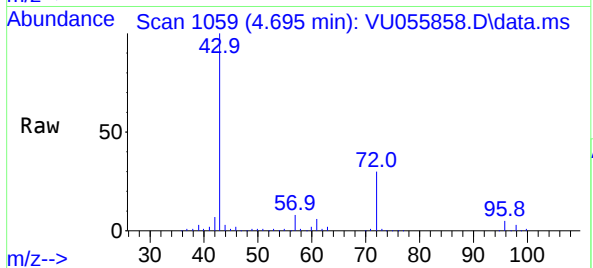




#22
2-Butanone
Concen: 95.272 ug/L
RT: 4.695 min Scan# 1105
Delta R.T. 0.003 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

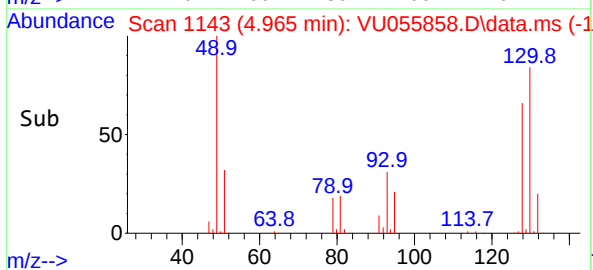
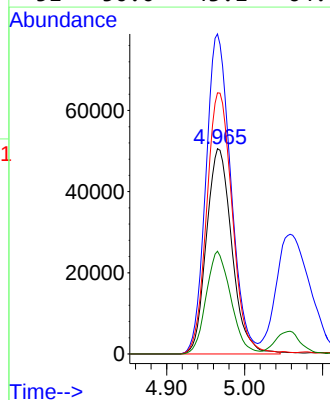
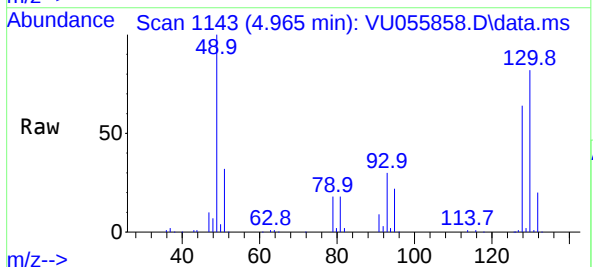
Instrument :
MSVOA_U
ClientSampleId :

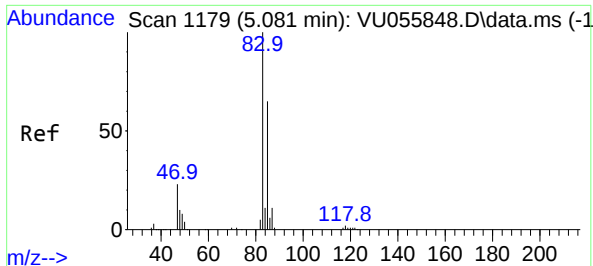
Tgt Ion: 43 Resp: 344012
Ion Ratio Lower Upper
43 100
72 30.1 14.6 44.0



#23
Bromochloromethane
Concen: 55.144 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. -0.006 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

Tgt Ion:128 Resp: 114768
Ion Ratio Lower Upper
128 100
49 155.9 116.3 216.1
130 127.2 91.6 170.0
51 50.0 43.1 64.7





#25

Chloroform

Concen: 53.255 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VU055858.D

Acq: 23 Oct 2023 16:50

Instrument :

MSVOA_U

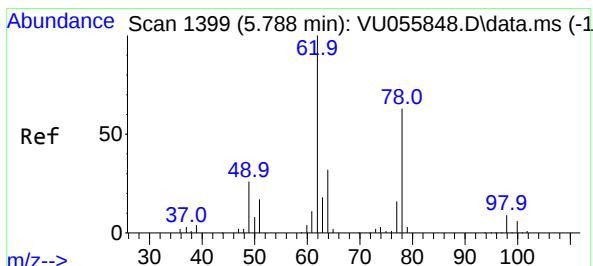
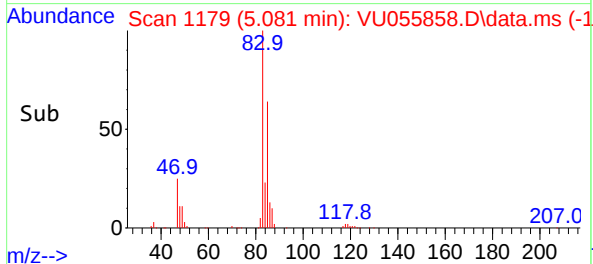
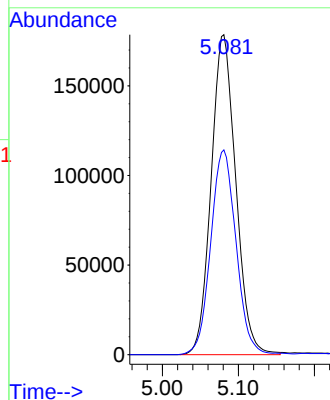
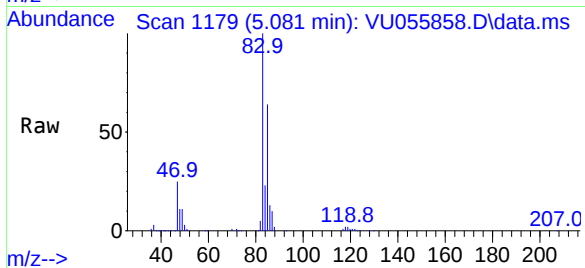
ClientSampleId :

Tgt Ion: 83 Resp: 401710

Ion Ratio Lower Upper

83 100

85 64.0 46.3 86.1



#27

1,2-Dichloroethane

Concen: 51.936 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.003 min

Lab File: VU055858.D

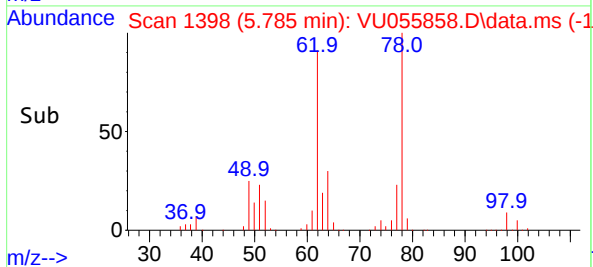
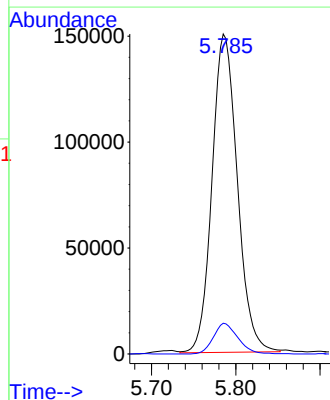
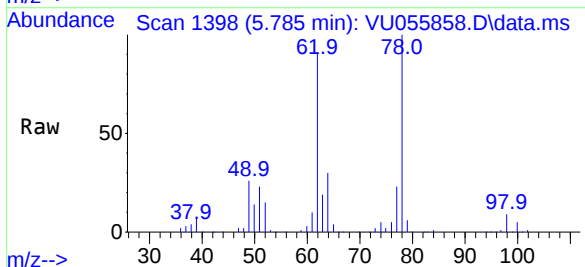
Acq: 23 Oct 2023 16:50

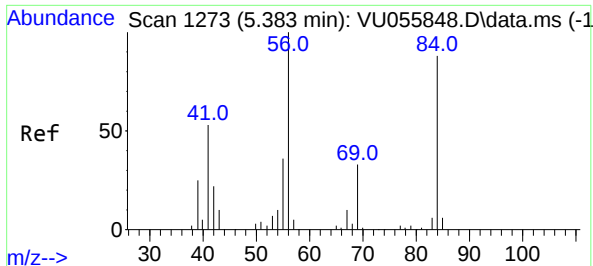
Tgt Ion: 62 Resp: 313336

Ion Ratio Lower Upper

62 100

98 9.6 7.2 10.8





#29

Cyclohexane

Concen: 57.184 ug/L

RT: 5.380 min Scan# 11

Delta R.T. -0.006 min

Lab File: VU055858.D

Acq: 23 Oct 2023 16:50

Instrument :

MSVOA_U

ClientSampleId :

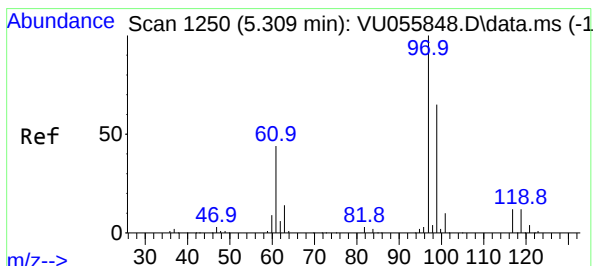
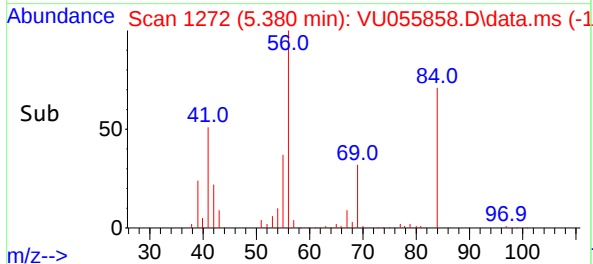
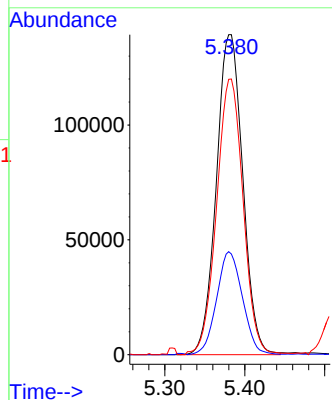
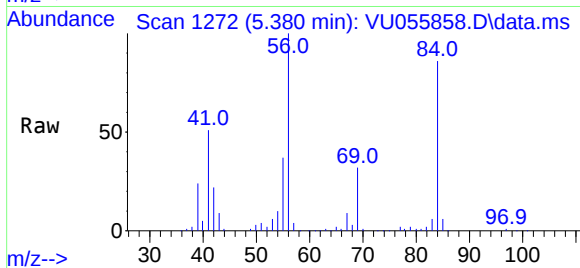
Tgt Ion: 56 Resp: 320013

Ion Ratio Lower Upper

56 100

69 31.4 24.9 37.3

84 86.5 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 54.607 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. 0.000 min

Lab File: VU055858.D

Acq: 23 Oct 2023 16:50

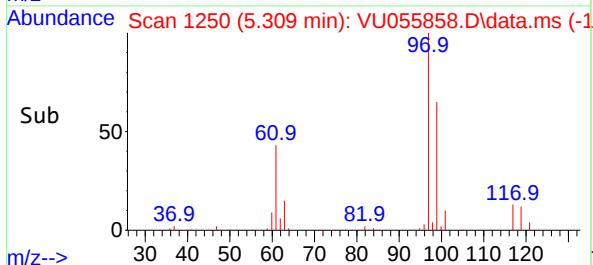
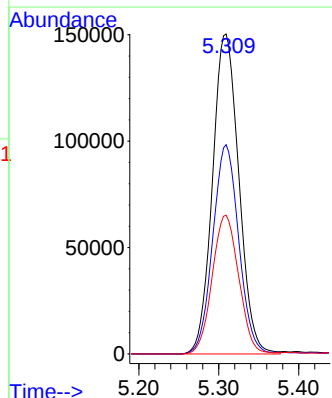
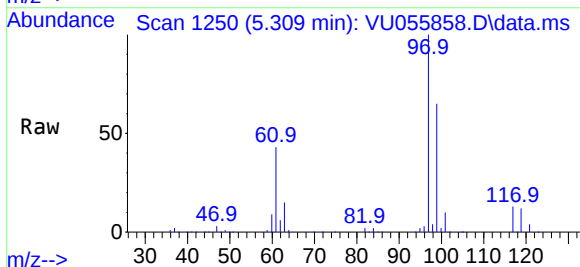
Tgt Ion: 97 Resp: 344444

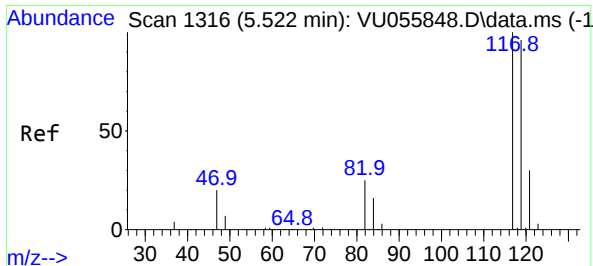
Ion Ratio Lower Upper

97 100

99 64.4 51.6 77.4

61 43.6 36.8 55.2

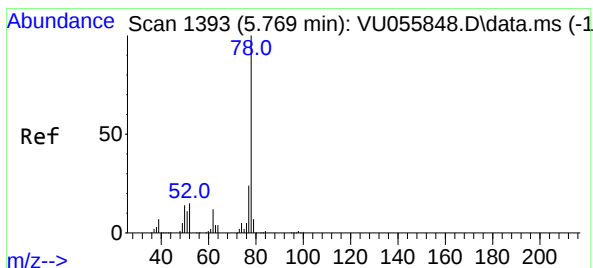
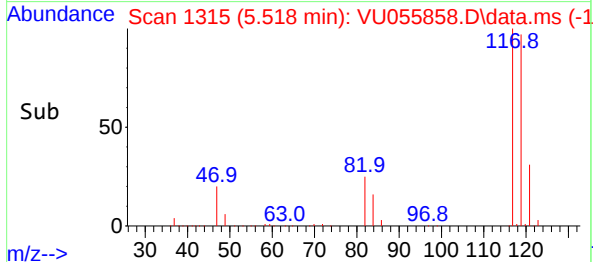
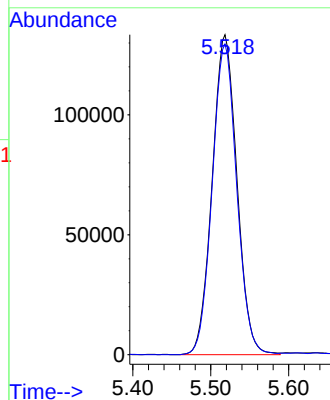
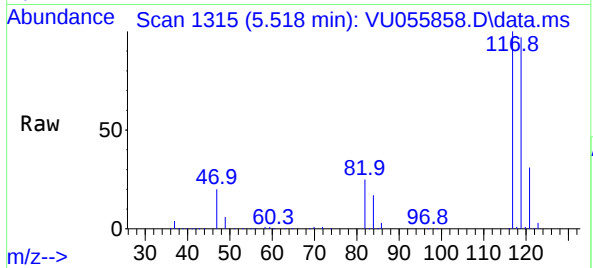




#31
Carbon tetrachloride
Concen: 53.295 ug/L
RT: 5.518 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

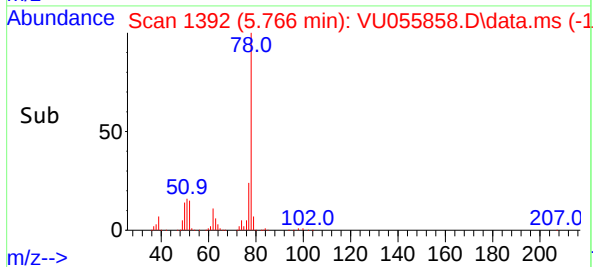
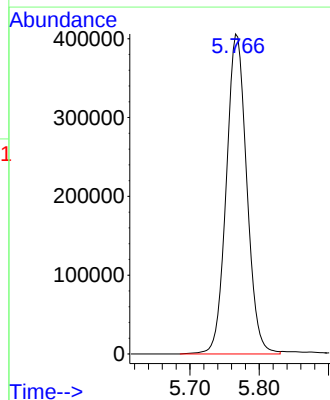
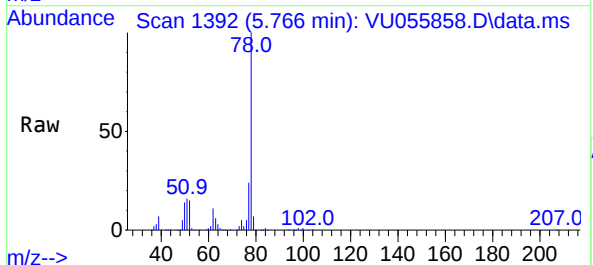
Instrument :
MSVOA_U
ClientSampleId :

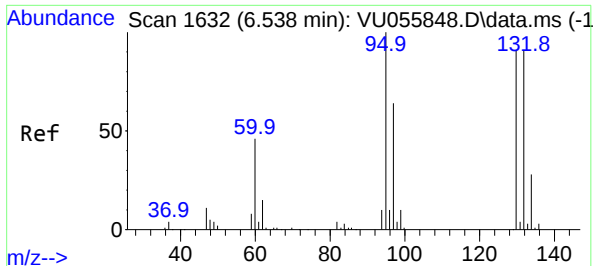
Tgt Ion:117 Resp: 294251
Ion Ratio Lower Upper
117 100
119 96.3 75.4 113.0



#33
Benzene
Concen: 54.008 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.003 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

Tgt Ion: 78 Resp: 833521

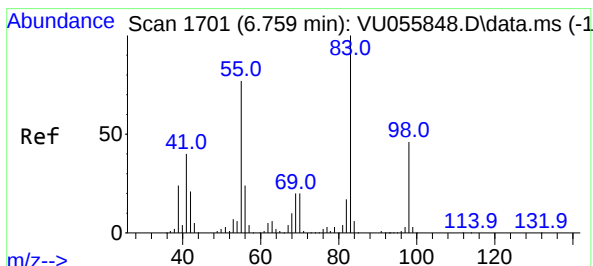
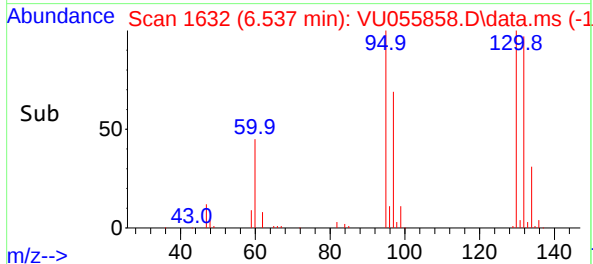
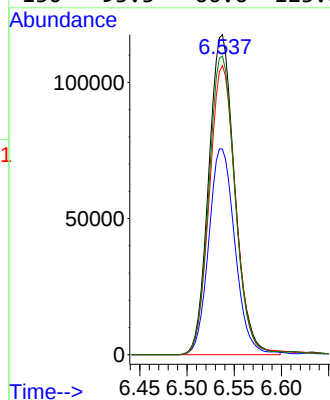
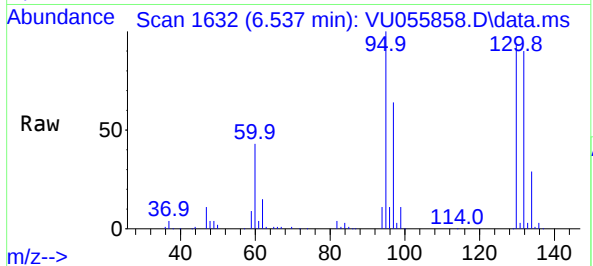




#34
Trichloroethene
Concen: 53.378 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

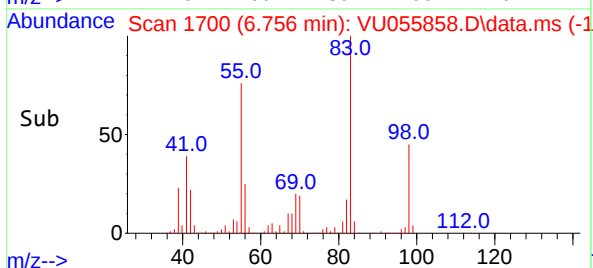
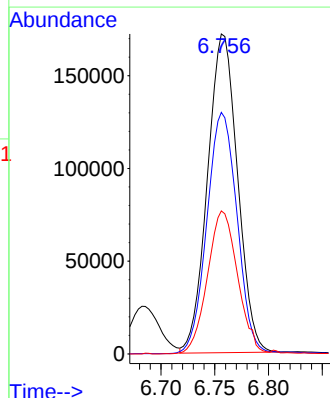
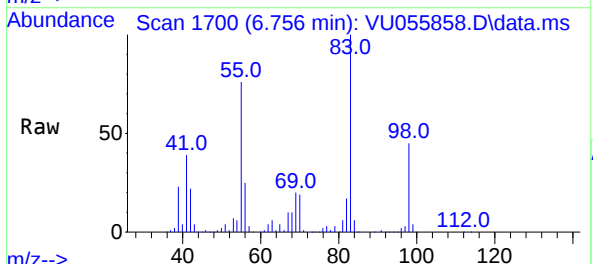
Instrument :
MSVOA_U
ClientSampleId :

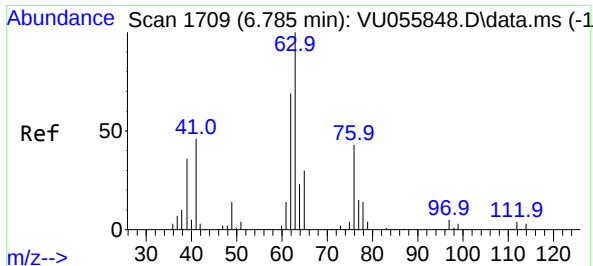
Tgt Ion: 95 Resp: 225408
Ion Ratio Lower Upper
95 100
97 64.3 44.4 82.5
132 90.4 61.8 114.8
130 93.3 66.6 123.8



#35
Methylcyclohexane
Concen: 54.495 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.003 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

Tgt Ion: 83 Resp: 333886
Ion Ratio Lower Upper
83 100
55 76.0 61.2 91.8
98 45.1 35.8 53.6

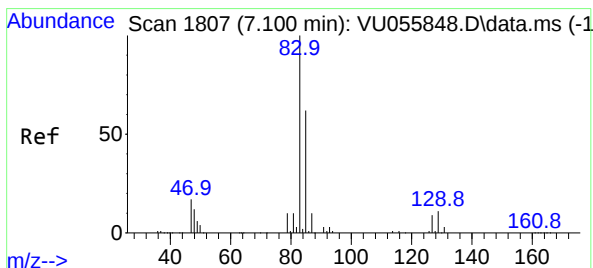
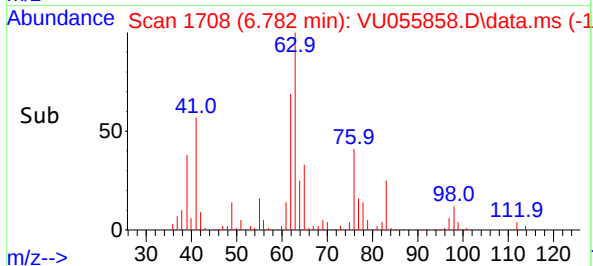
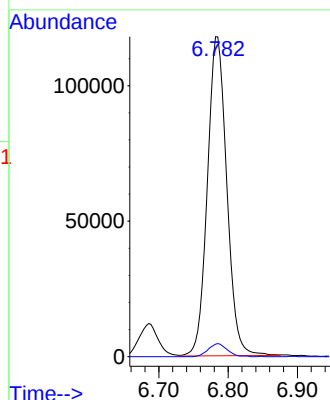
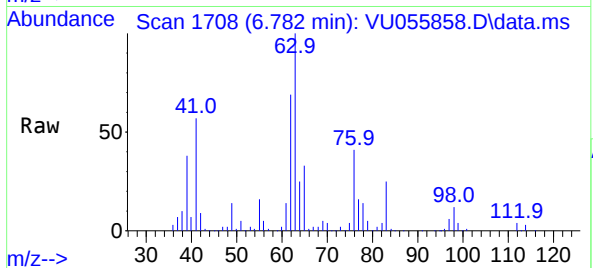




#37
1,2-Dichloropropane
Concen: 53.889 ug/L
RT: 6.782 min Scan# 1708
Delta R.T. -0.006 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

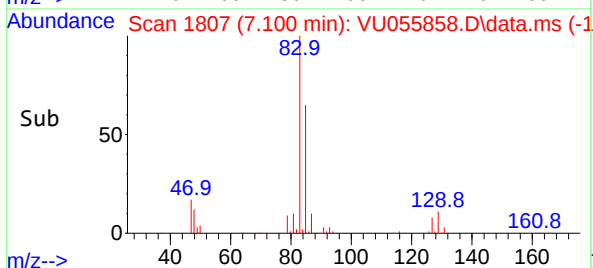
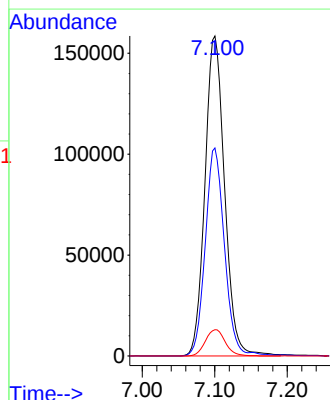
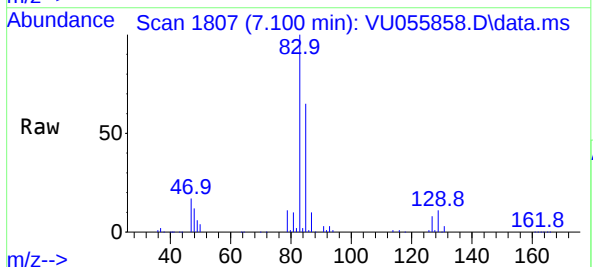
Instrument :
MSVOA_U
ClientSampleId :

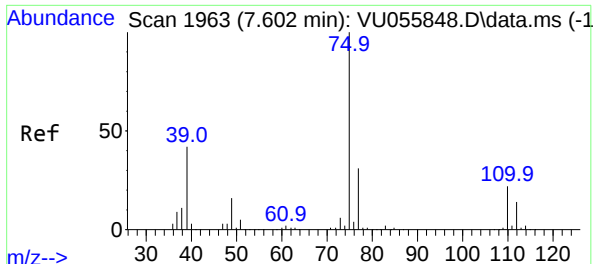
Tgt Ion: 63 Resp: 229017
Ion Ratio Lower Upper
63 100
112 3.9 3.0 4.4



#38
Bromodichloromethane
Concen: 53.391 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. -0.003 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

Tgt Ion: 83 Resp: 299222
Ion Ratio Lower Upper
83 100
85 65.0 46.0 85.4
127 9.0 7.0 10.4

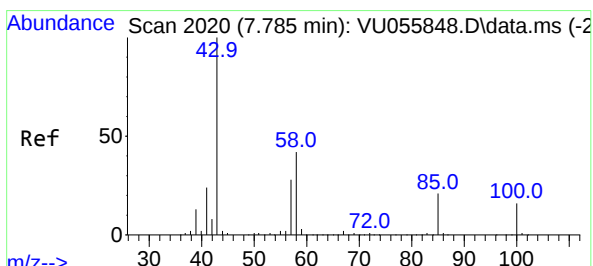
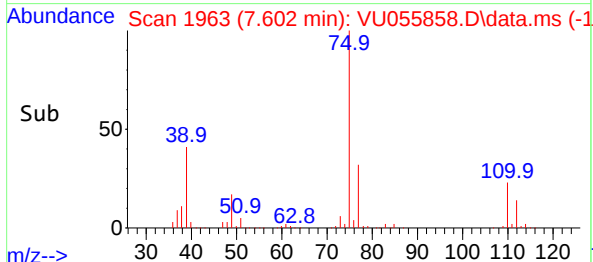
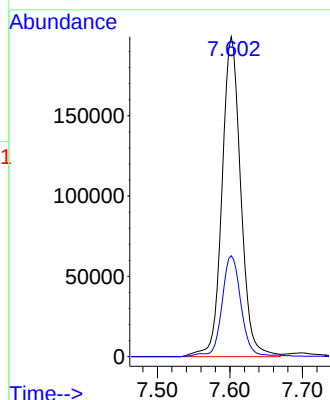
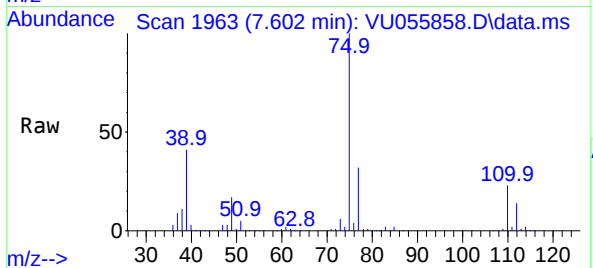




#39
 cis-1,3-Dichloropropene
 Concen: 55.461 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. -0.003 min
 Lab File: VU055858.D
 Acq: 23 Oct 2023 16:50

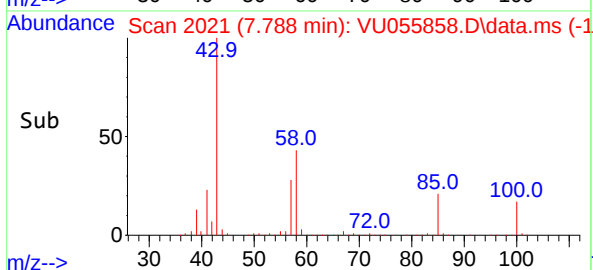
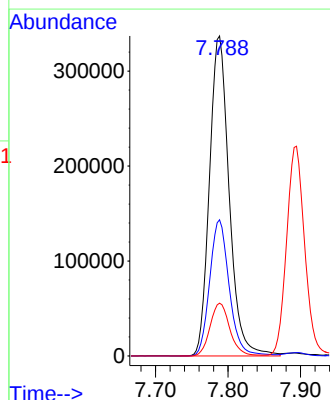
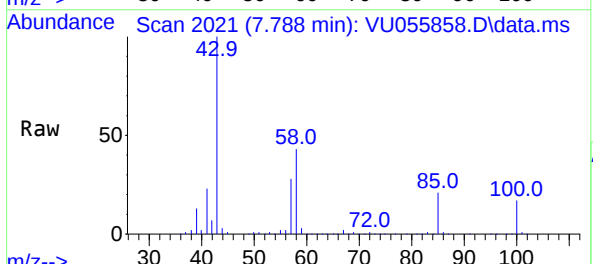
Instrument :
 MSVOA_U
 ClientSampleId :

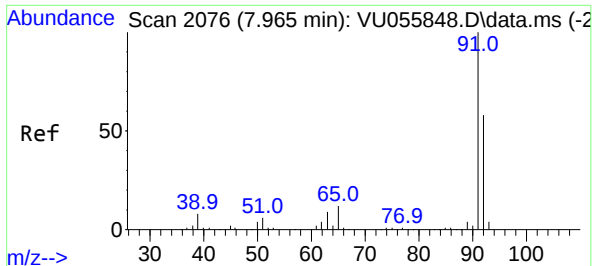
Tgt Ion: 75 Resp: 358584
 Ion Ratio Lower Upper
 75 100
 77 31.5 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 107.793 ug/L
 RT: 7.788 min Scan# 2021
 Delta R.T. 0.003 min
 Lab File: VU055858.D
 Acq: 23 Oct 2023 16:50

Tgt Ion: 43 Resp: 637295
 Ion Ratio Lower Upper
 43 100
 58 42.2 32.3 48.5
 100 16.6 12.0 18.0





#42

Toluene

Concen: 55.522 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU055858.D

Acq: 23 Oct 2023 16:50

Instrument :

MSVOA_U

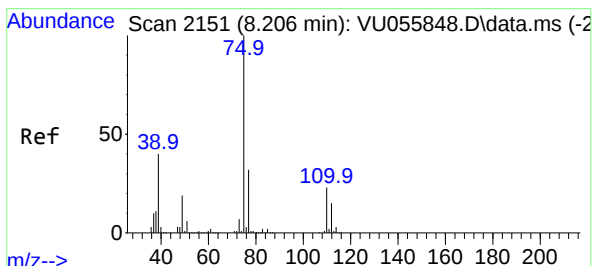
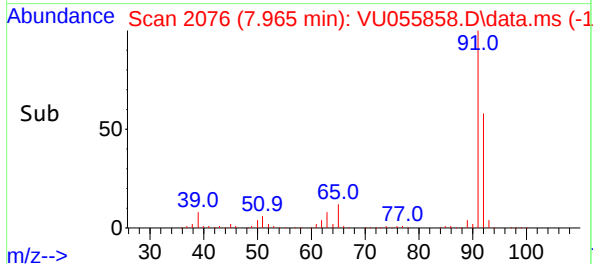
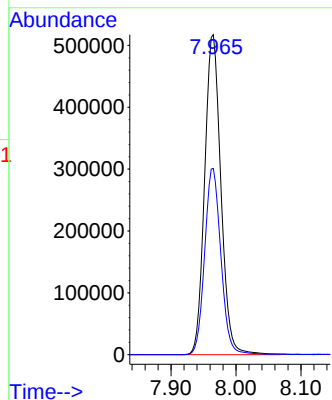
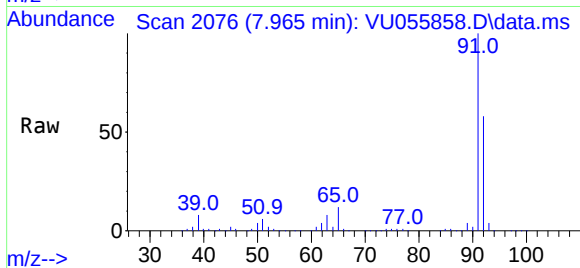
ClientSampleId :

Tgt Ion: 91 Resp: 904176

Ion Ratio Lower Upper

91 100

92 58.2 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 54.067 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU055858.D

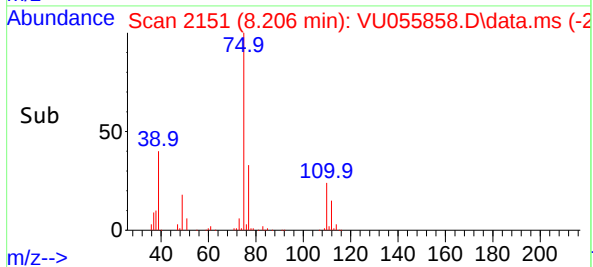
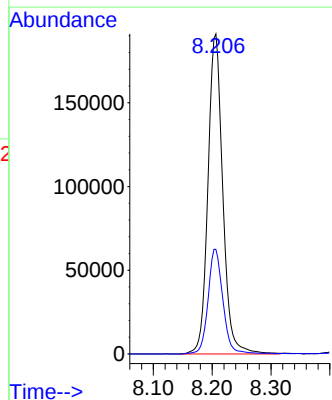
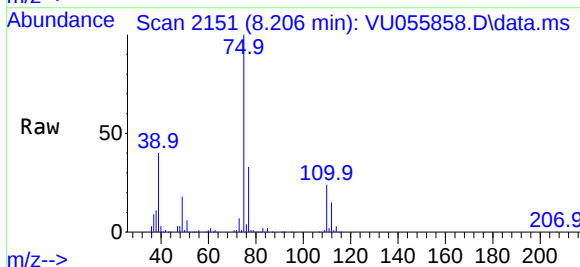
Acq: 23 Oct 2023 16:50

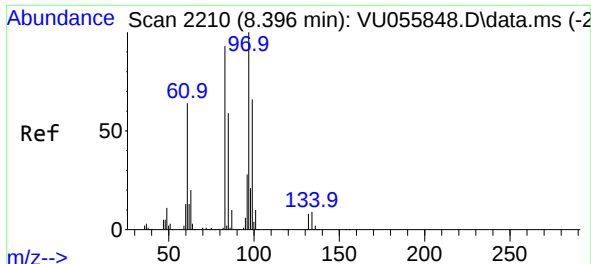
Tgt Ion: 75 Resp: 334470

Ion Ratio Lower Upper

75 100

77 32.7 21.6 40.2



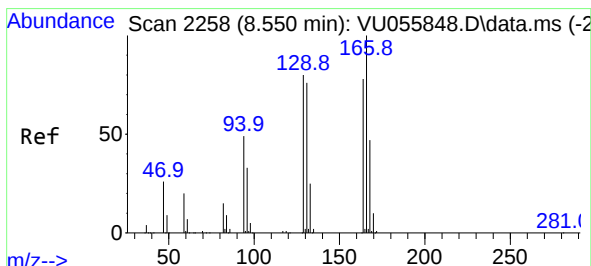
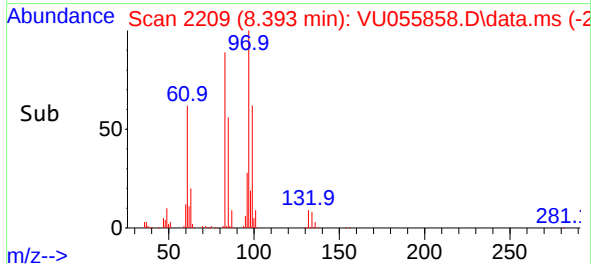
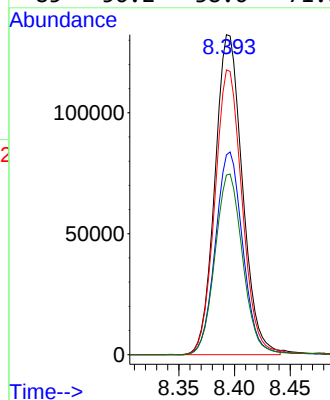
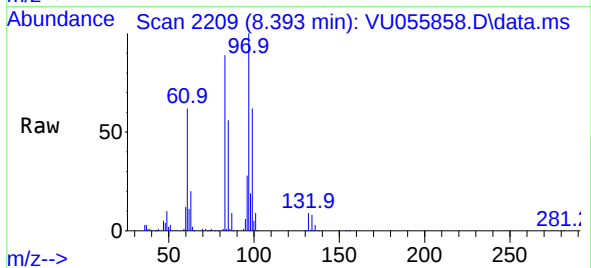


#45
1,1,2-Trichloroethane
Concen: 54.302 ug/L
RT: 8.393 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 227551

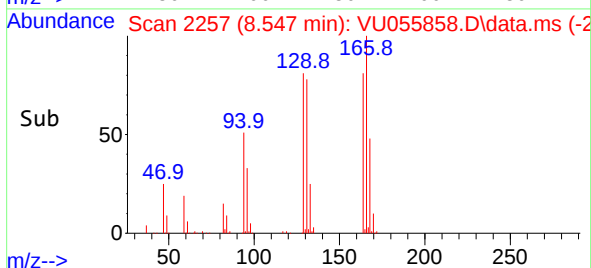
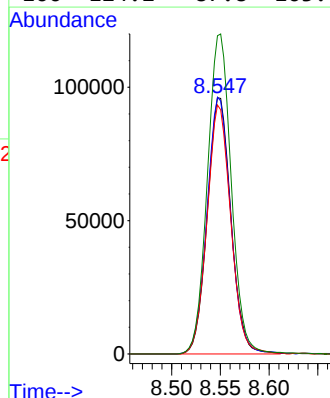
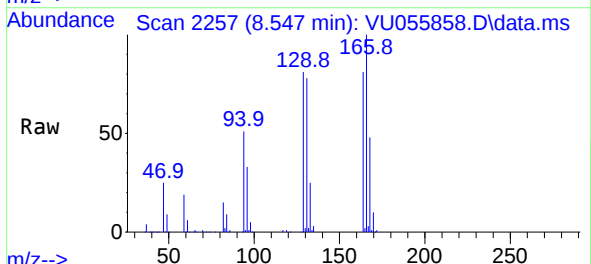
Ion	Ratio	Lower	Upper
97	100		
99	62.5	44.4	82.5
83	89.0	60.4	112.2
85	56.2	38.6	71.8

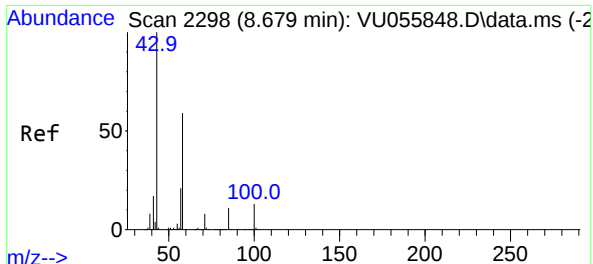


#46
Tetrachloroethene
Concen: 53.584 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

Tgt Ion:164 Resp: 162008

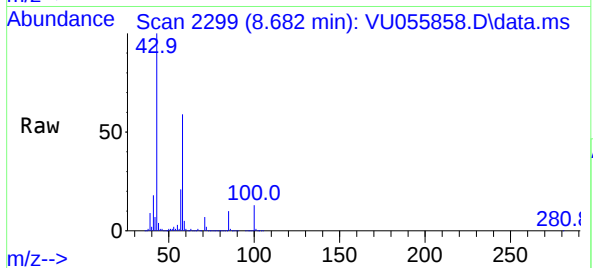
Ion	Ratio	Lower	Upper
164	100		
129	100.2	70.7	131.3
131	97.1	65.9	122.5
166	124.2	87.8	163.0



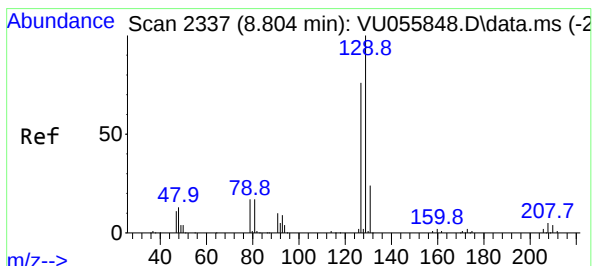
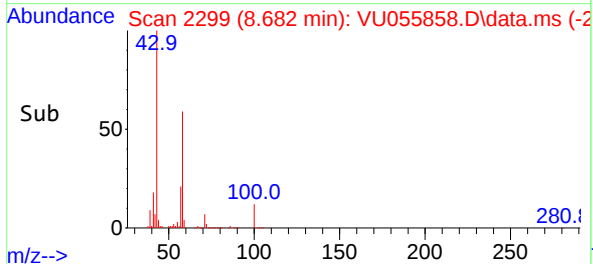
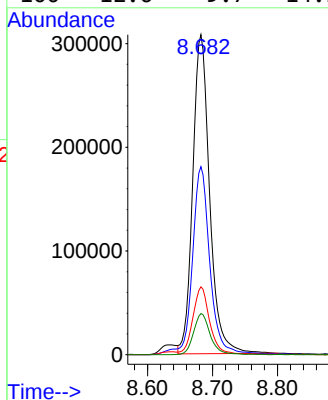


#48
2-Hexanone
Concen: 112.019 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

Instrument :
MSVOA_U
ClientSampleId :

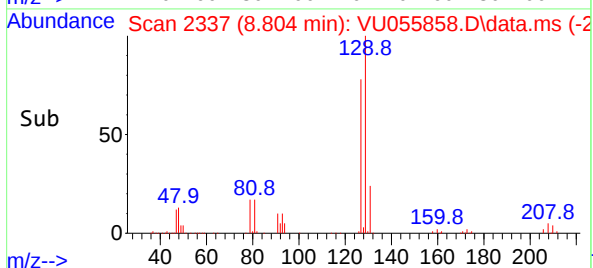
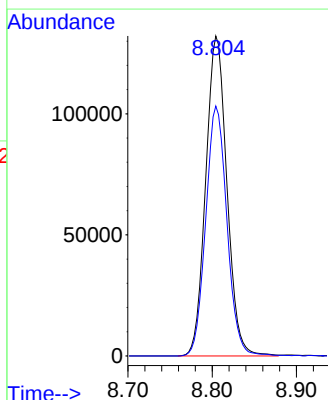
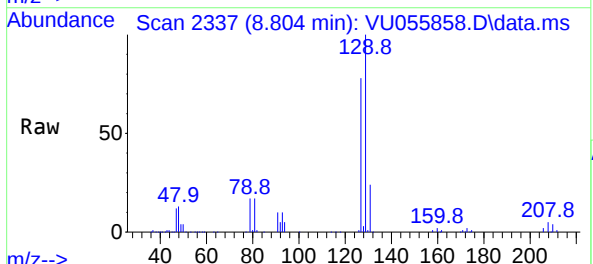


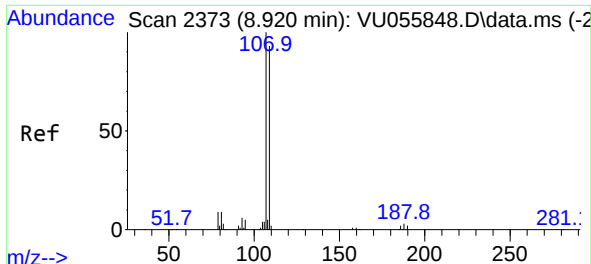
Tgt Ion: 43 Resp: 559406
Ion Ratio Lower Upper
43 100
58 60.9 45.2 67.8
57 20.8 16.1 24.1
100 12.6 9.7 14.5



#49
Dibromochloromethane
Concen: 54.020 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.003 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

Tgt Ion:129 Resp: 231302
Ion Ratio Lower Upper
129 100
127 78.1 54.0 100.4

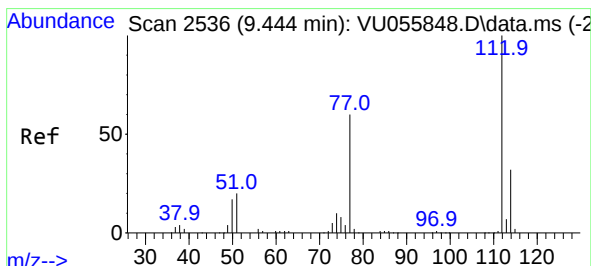
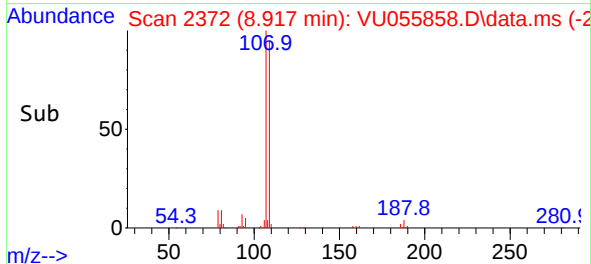
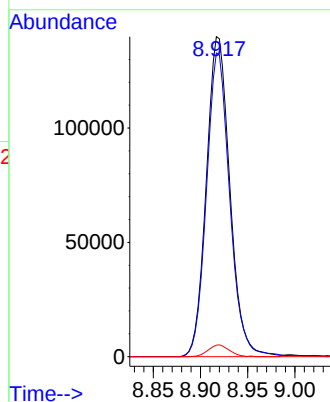
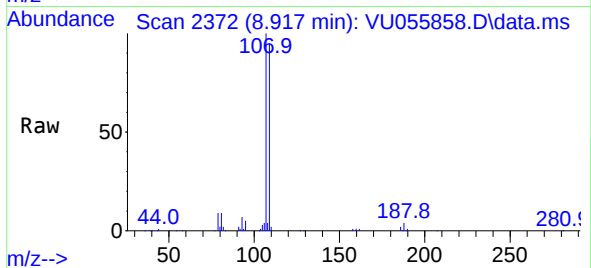




#50
1,2-Dibromoethane
Concen: 53.888 ug/L
RT: 8.917 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

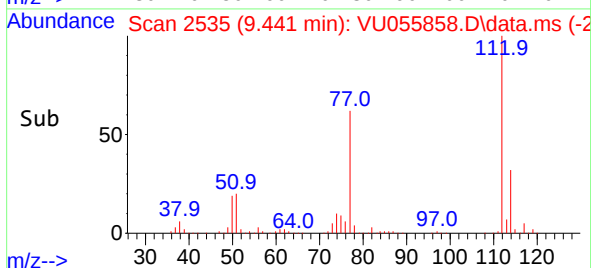
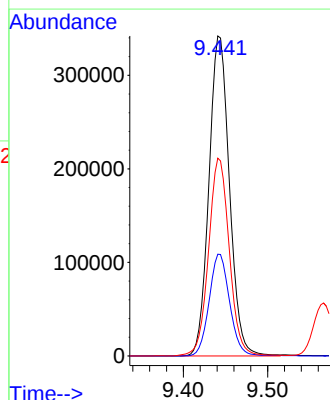
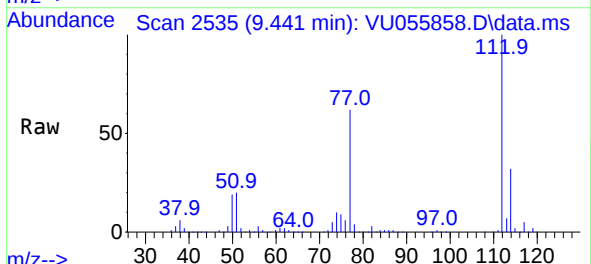
Instrument :
MSVOA_U
ClientSampleId :

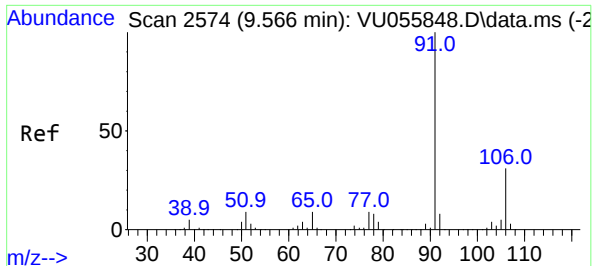
Tgt Ion:107 Resp: 242551
Ion Ratio Lower Upper
107 100
109 94.9 66.7 123.9
188 3.7 2.6 4.0



#51
Chlorobenzene
Concen: 54.914 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.003 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

Tgt Ion:112 Resp: 578599
Ion Ratio Lower Upper
112 100
114 31.8 22.0 40.8
77 61.8 49.0 73.6

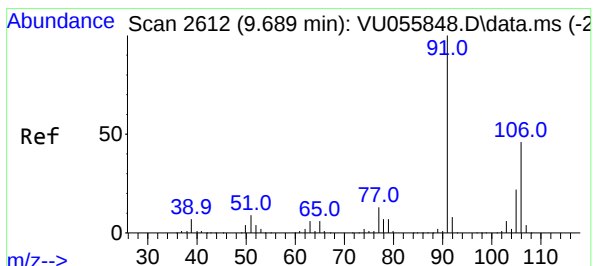
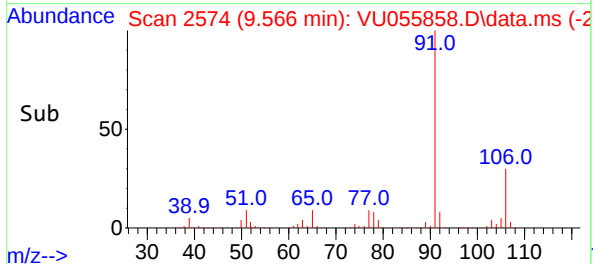
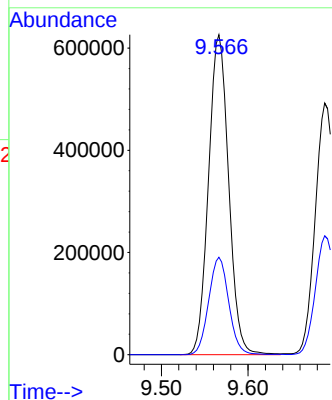
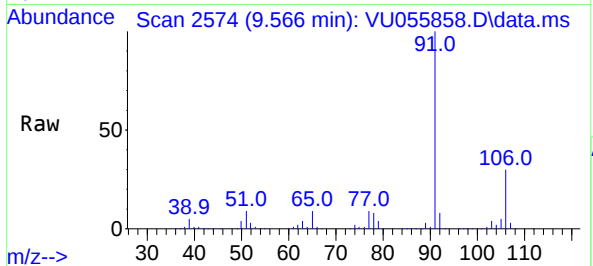




#52
Ethylbenzene
Concen: 56.699 ug/L
RT: 9.566 min Scan# 210
Delta R.T. 0.000 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

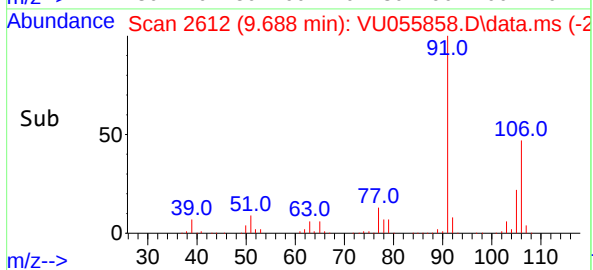
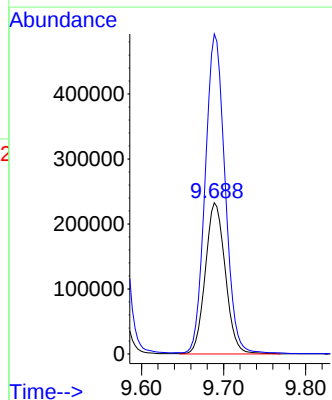
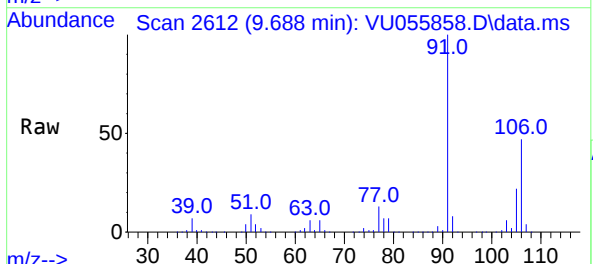
Instrument :
MSVOA_U
ClientSampleId :

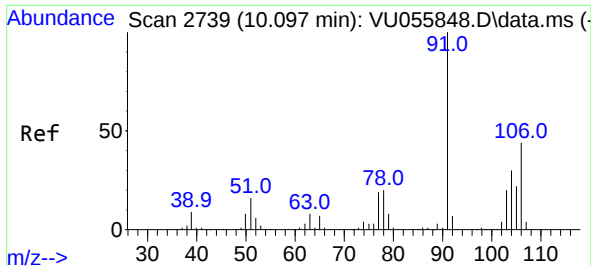
Tgt Ion: 91 Resp: 1009479
Ion Ratio Lower Upper
91 100
106 30.4 21.2 39.4



#53
m,p-Xylene
Concen: 59.047 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

Tgt Ion:106 Resp: 393849
Ion Ratio Lower Upper
106 100
91 211.7 143.8 267.0

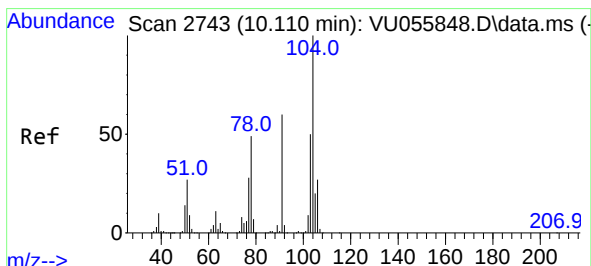
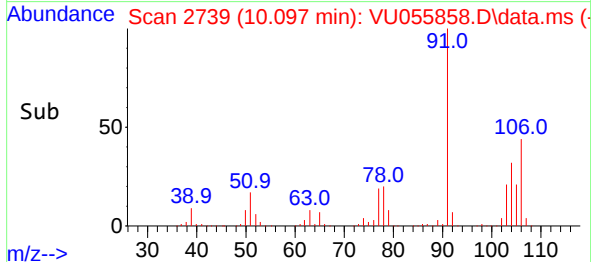
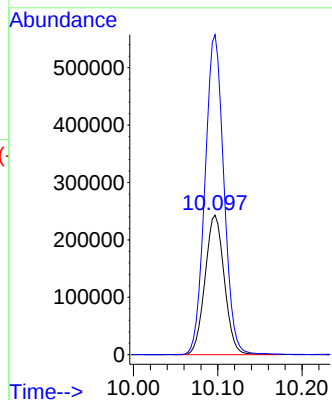
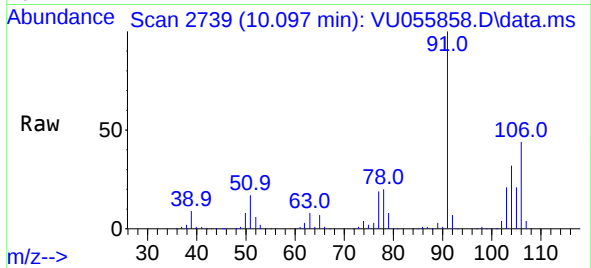




#54
o-Xylene
Concen: 60.096 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

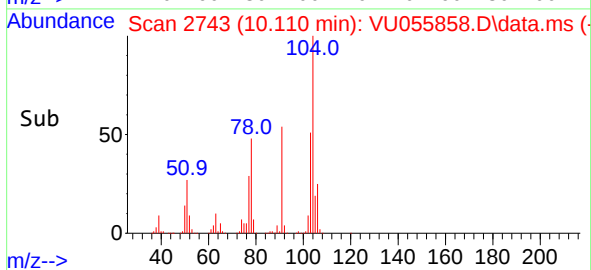
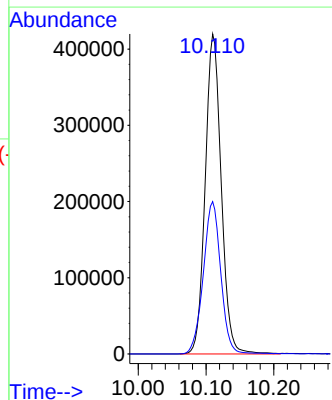
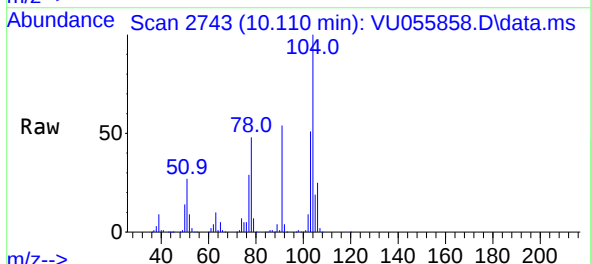
Instrument :
MSVOA_U
ClientSampleId :

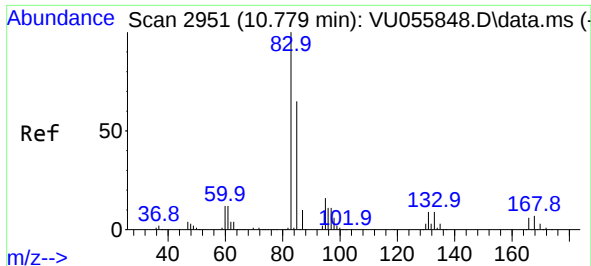
Tgt Ion:106 Resp: 387895
Ion Ratio Lower Upper
106 100
91 229.4 151.8 282.0



#55
Styrene
Concen: 63.103 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.003 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

Tgt Ion:104 Resp: 689992
Ion Ratio Lower Upper
104 100
78 47.6 33.6 62.4





#57

1,1,2,2-Tetrachloroethane

Concen: 57.166 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. 0.000 min

Lab File: VU055858.D

Acq: 23 Oct 2023 16:50

Instrument :

MSVOA_U

ClientSampleId :

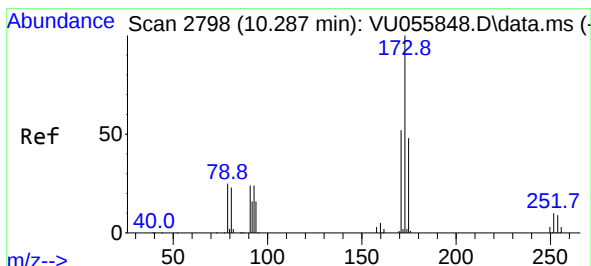
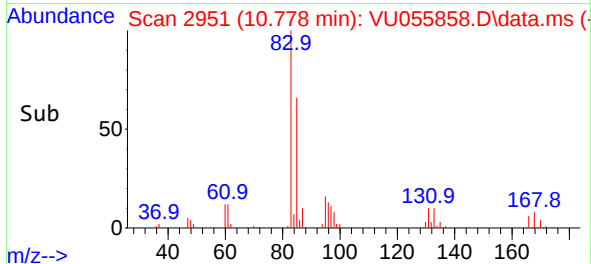
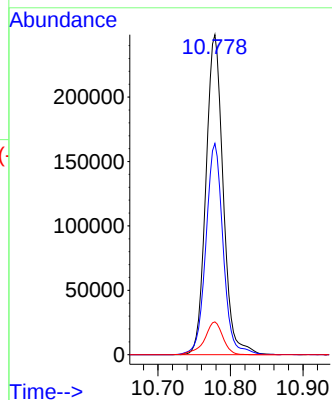
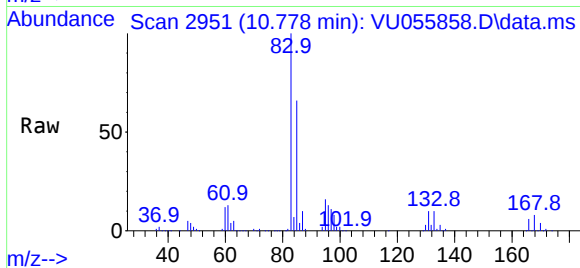
Tgt Ion: 83 Resp: 410187

Ion Ratio Lower Upper

83 100

85 66.0 44.9 83.5

131 10.2 7.3 10.9



#59

Bromoform

Concen: 53.481 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. 0.000 min

Lab File: VU055858.D

Acq: 23 Oct 2023 16:50

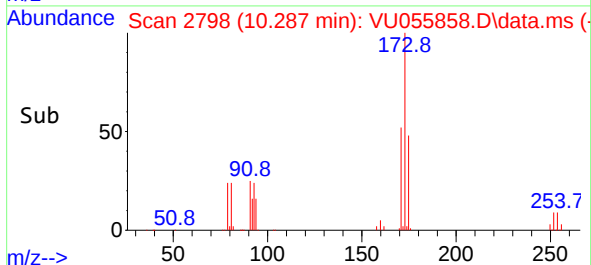
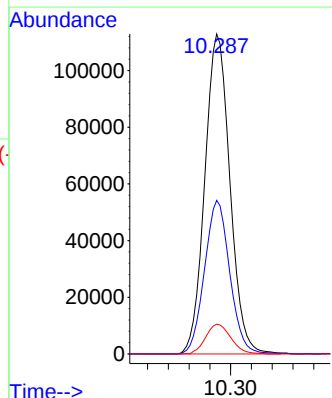
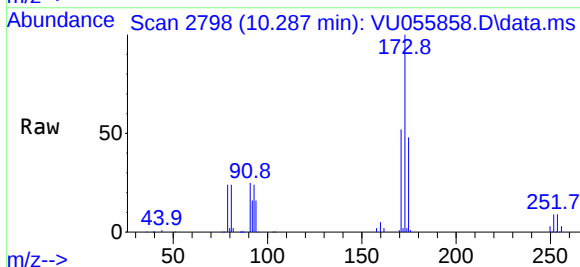
Tgt Ion:173 Resp: 189505

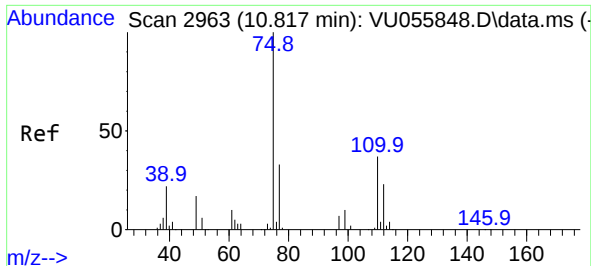
Ion Ratio Lower Upper

173 100

175 48.3 40.4 60.6

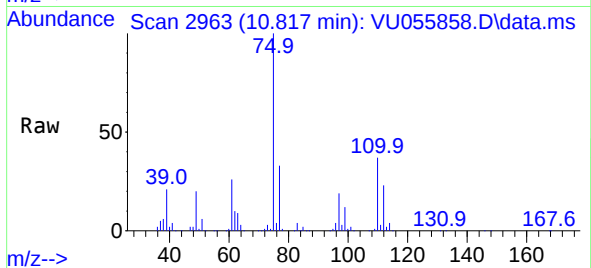
254 9.3 7.3 10.9



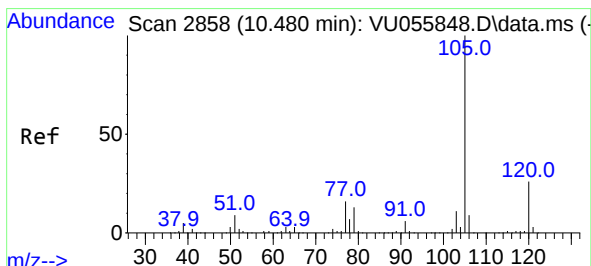
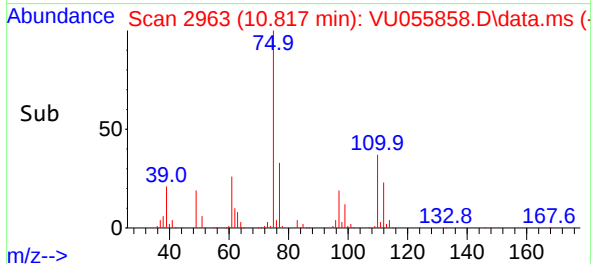
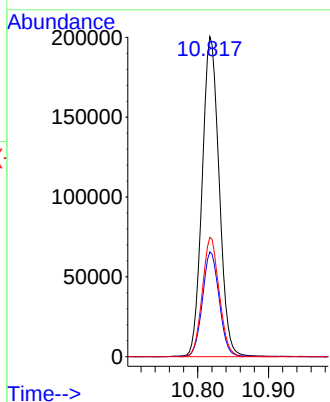


#60
1,2,3-Trichloropropane
Concen: 53.394 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

Instrument :
MSVOA_U
ClientSampleId :

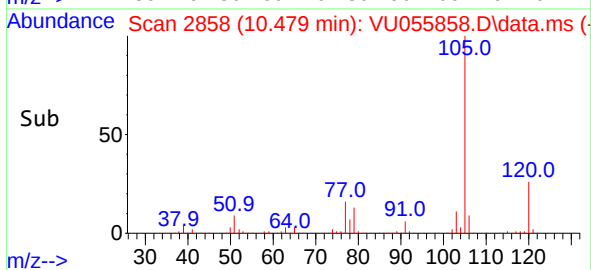
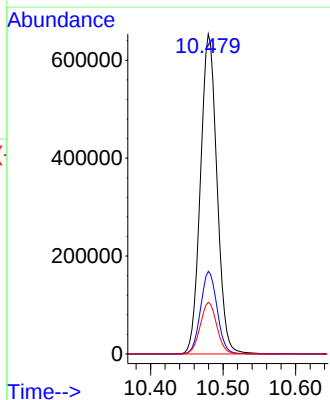
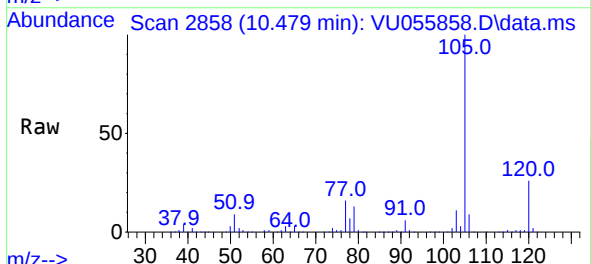


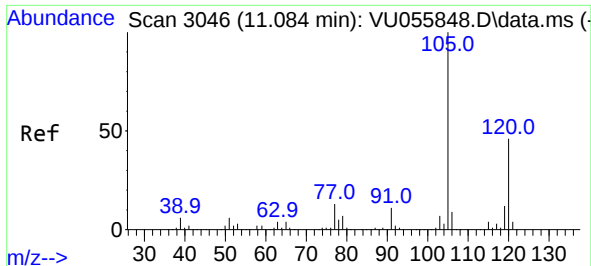
Tgt Ion: 75 Resp: 333553
Ion Ratio Lower Upper
75 100
77 32.1 25.8 38.8
110 36.9 28.5 42.7



#61
Isopropylbenzene
Concen: 57.748 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.003 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

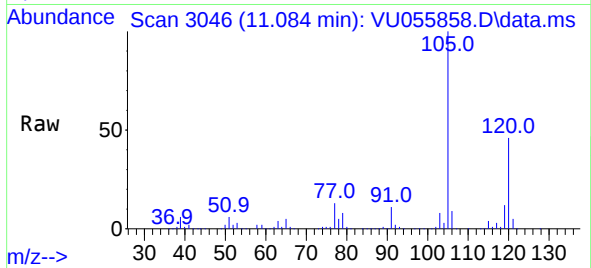
Tgt Ion: 105 Resp: 1036269
Ion Ratio Lower Upper
105 100
120 25.8 20.6 30.8
77 16.2 13.4 20.0



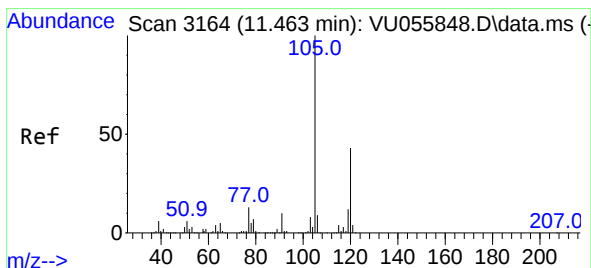
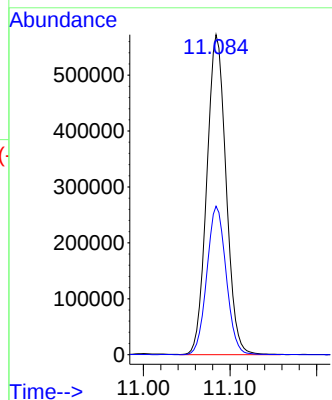


#62
1,3,5-Trimethylbenzene
Concen: 60.969 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

Instrument :
MSVOA_U
ClientSampleId :

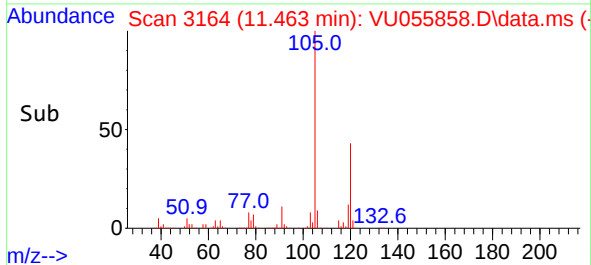
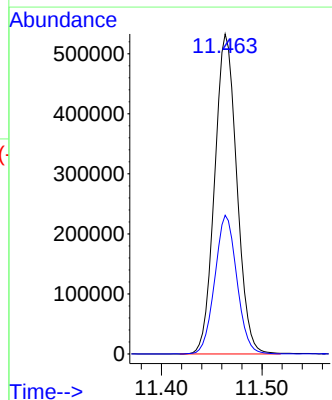
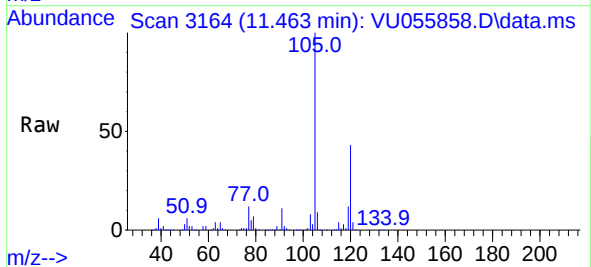


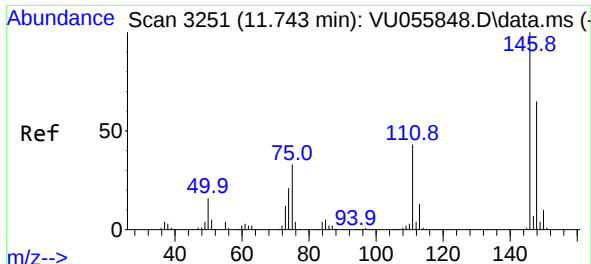
Tgt Ion:105 Resp: 885276
Ion Ratio Lower Upper
105 100
120 46.3 37.7 56.5



#63
1,2,4-Trimethylbenzene
Concen: 56.811 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. -0.003 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

Tgt Ion:105 Resp: 815679
Ion Ratio Lower Upper
105 100
120 43.2 35.0 52.4

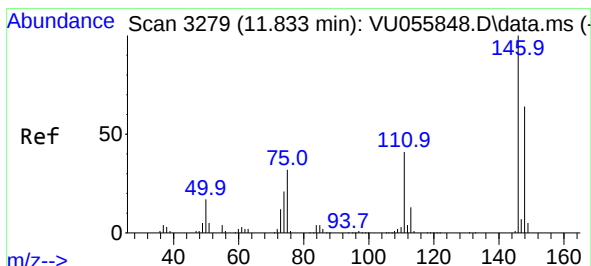
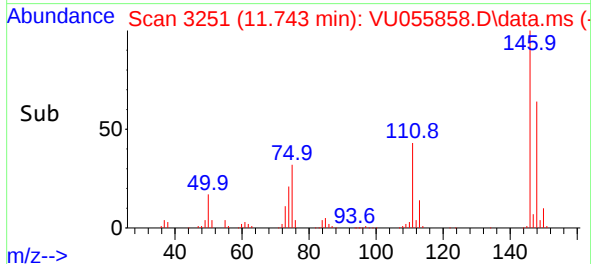
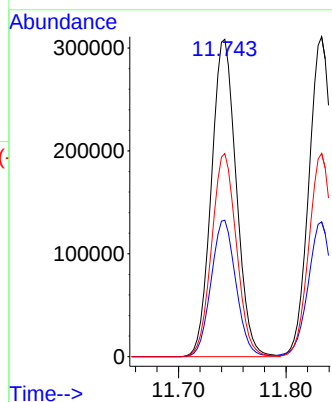
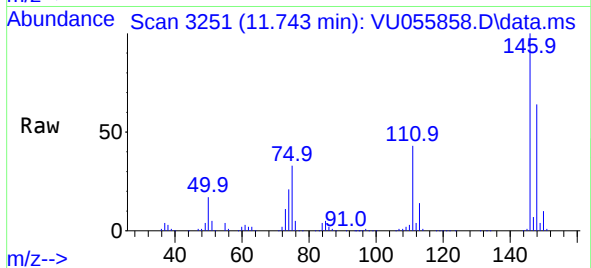




#64
1,3-Dichlorobenzene
Concen: 55.893 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

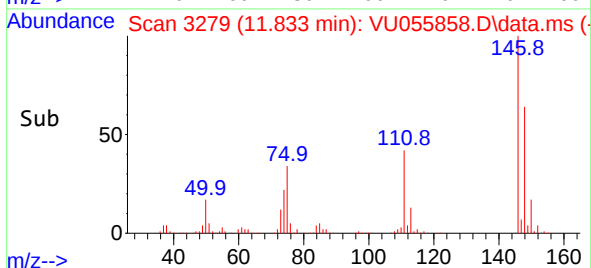
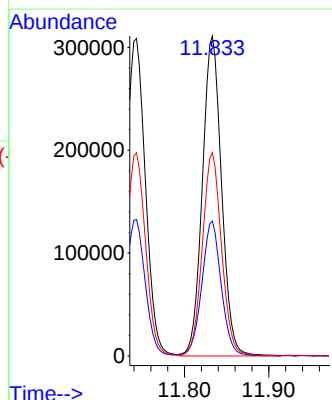
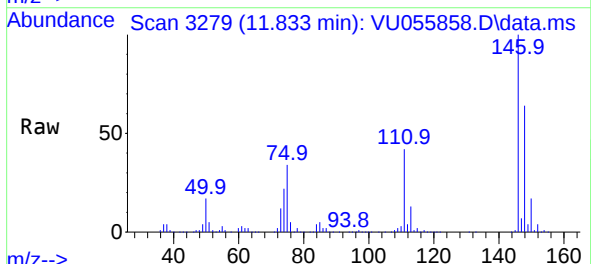
Instrument :
MSVOA_U
ClientSampleId :

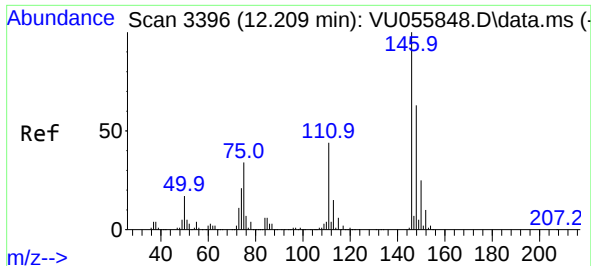
Tgt Ion:146 Resp: 495806
Ion Ratio Lower Upper
146 100
111 43.0 29.7 55.1
148 64.0 45.0 83.6



#65
1,4-Dichlorobenzene
Concen: 54.079 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

Tgt Ion:146 Resp: 493218
Ion Ratio Lower Upper
146 100
111 42.2 28.6 53.0
148 63.6 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 56.592 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.000 min

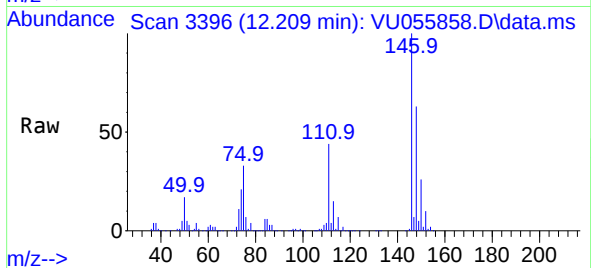
Lab File: VU055858.D

Acq: 23 Oct 2023 16:50

Instrument :

MSVOA_U

ClientSampleId :



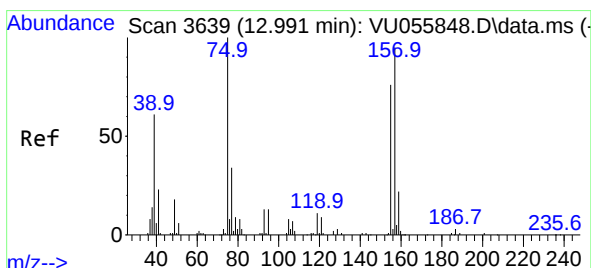
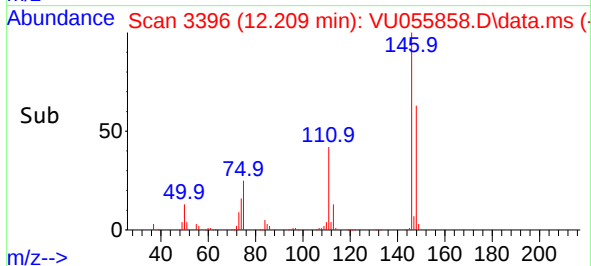
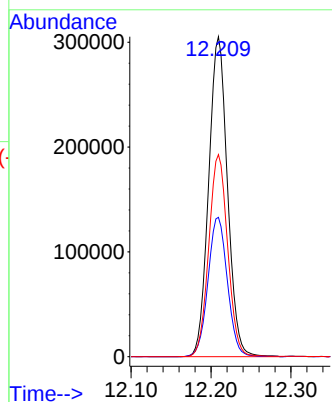
Tgt Ion:146 Resp: 498183

Ion Ratio Lower Upper

146 100

111 43.6 35.2 52.8

148 63.2 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 43.615 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU055858.D

Acq: 23 Oct 2023 16:50

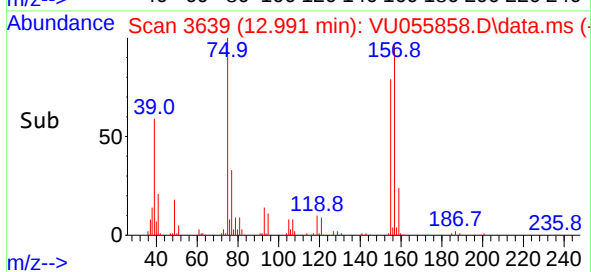
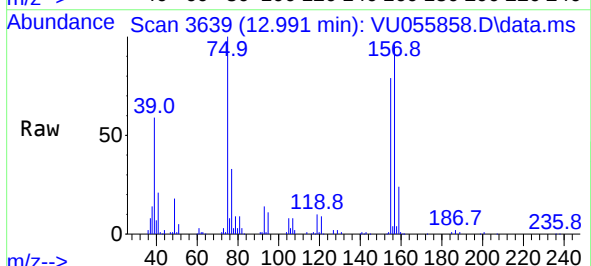
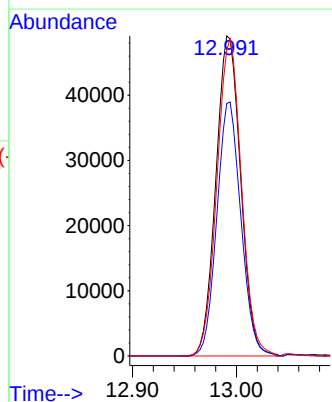
Tgt Ion: 75 Resp: 81457

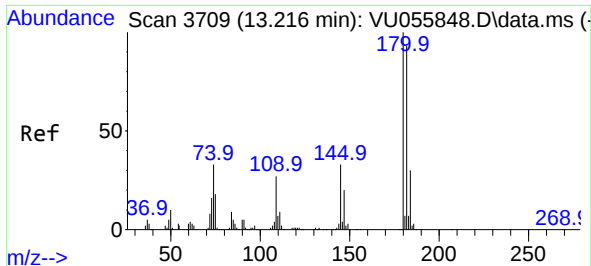
Ion Ratio Lower Upper

75 100

155 78.9 59.6 89.4

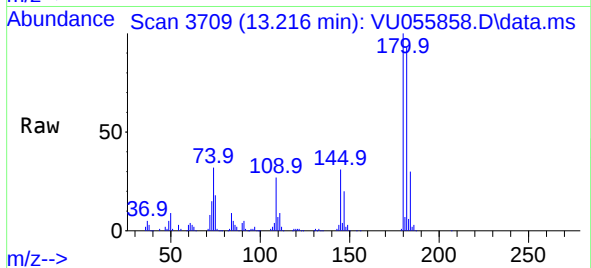
157 99.9 77.7 116.5



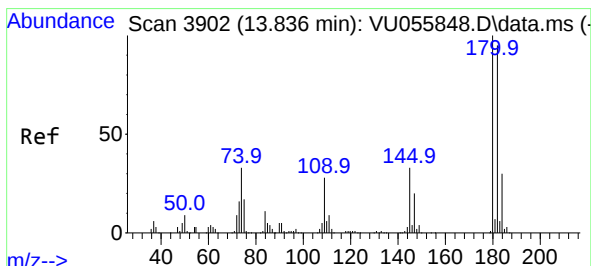
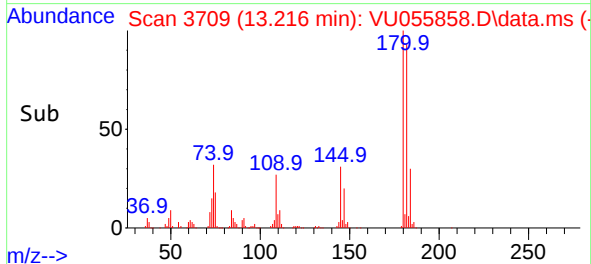
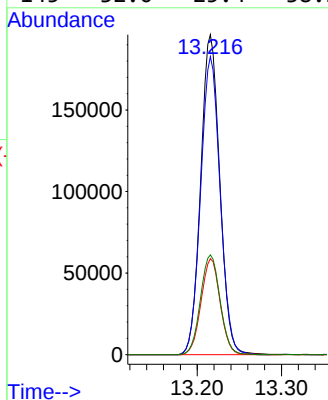


#69
1,3,5-Trichlorobenzene
Concen: 52.363 ug/L
RT: 13.216 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

Instrument :
MSVOA_U
ClientSampleId :

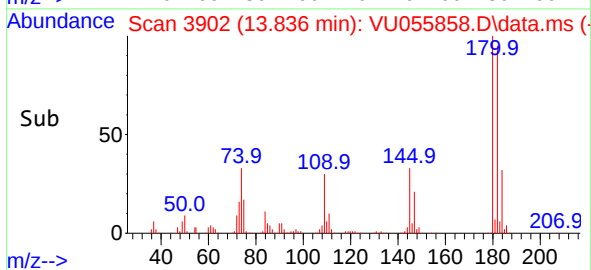
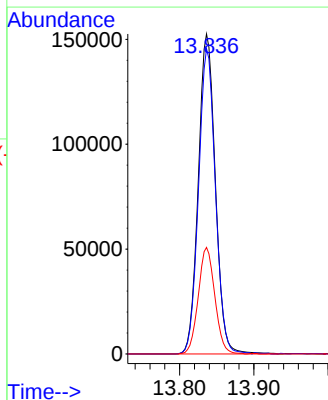
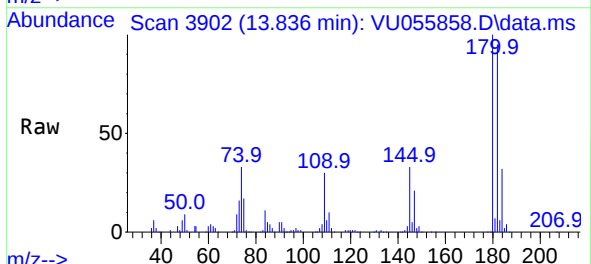


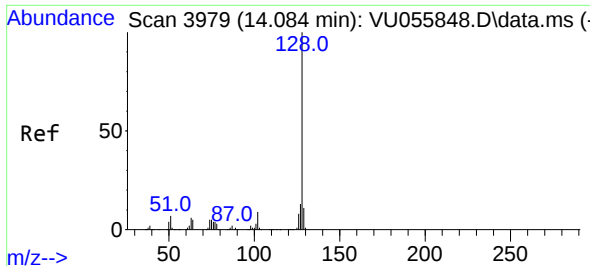
Tgt Ion:180 Resp: 309834
Ion Ratio Lower Upper
180 100
182 94.7 76.2 114.2
184 30.0 23.9 35.9
145 32.0 25.4 38.2



#70
1,2,4-trichlorobenzene
Concen: 49.386 ug/L
RT: 13.836 min Scan# 3902
Delta R.T. -0.003 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

Tgt Ion:180 Resp: 243403
Ion Ratio Lower Upper
180 100
182 94.4 75.4 113.2
145 32.4 26.1 39.1

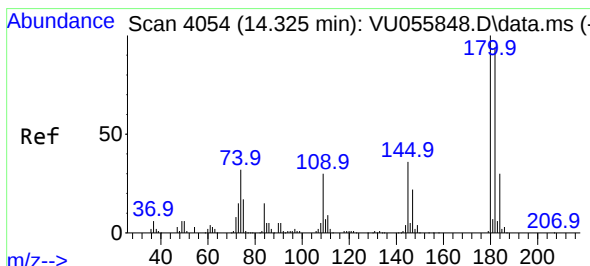
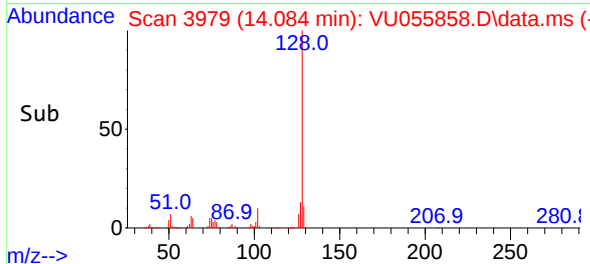
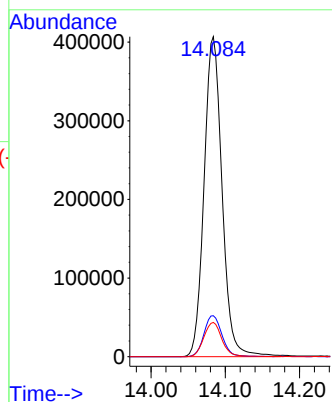
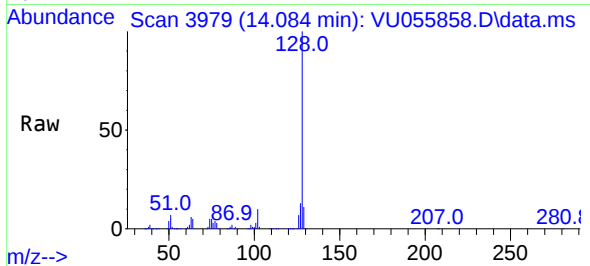




#71
Naphthalene
Concen: 46.722 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. 0.000 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 684039
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 10.7 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 49.460 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.003 min
Lab File: VU055858.D
Acq: 23 Oct 2023 16:50

Tgt Ion:180 Resp: 240340
Ion Ratio Lower Upper
180 100
182 94.3 78.1 117.1
145 34.9 27.4 41.0

