

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013123\
 Data File : VU052872.D
 Acq On : 31 Jan 2023 10:08
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 01 00:48:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 27 22:20:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	241504	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	239121	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	138821	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	63743	36.671	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.340%
7) Chloroethane-d5	1.909	69	61346	42.831	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.660%
11) 1,1-Dichloroethene-d2	2.568	63	145674	42.135	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.280%
21) 2-Butanone-d5	4.623	46	95588	89.018	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.020%
24) Chloroform-d	5.060	84	167451	45.139	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.280%
26) 1,2-Dichloroethane-d4	5.697	65	107930	45.565	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.120%
32) Benzene-d6	5.722	84	299146	40.948	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.900%
36) 1,2-Dichloropropane-d6	6.687	67	92150	43.008	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.020%
41) Toluene-d8	7.896	98	271849	40.865	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.740%
43) trans-1,3-Dichloroprop...	8.176	79	43590	40.590	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.180%
47) 2-Hexanone-d5	8.636	63	66975	88.962	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.960%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	144837	45.753	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.500%
66) 1,2-Dichlorobenzene-d4	12.188	152	109968	40.797	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	113766	50.308	ug/L	99
3) Chloromethane	1.520	50	104305	55.924	ug/L	100
5) Vinyl chloride	1.604	62	111416	53.998	ug/L	98
6) Bromomethane	1.858	94	67553	51.913	ug/L	98
8) Chloroethane	1.928	64	72415	55.876	ug/L	97
9) Trichlorofluoromethane	2.134	101	180968	52.363	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	95381	48.963	ug/L	98
12) 1,1-Dichloroethene	2.578	96	88849	49.732	ug/L	92
13) Acetone	2.633	43	86364	65.853	ug/L	98
14) Carbon disulfide	2.790	76	267085	49.498	ug/L	99
15) Methyl Acetate	2.944	43	92173	52.163	ug/L	99
16) Methylene chloride	3.041	84	109758	51.646	ug/L	95
17) trans-1,2-Dichloroethene	3.350	96	92361	47.839	ug/L	97
18) Methyl tert-butyl Ether	3.359	73	288428	50.806	ug/L	98
19) 1,1-Dichloroethane	3.864	63	177092	52.301	ug/L	98
20) cis-1,2-Dichloroethene	4.661	96	100854	48.926	ug/L	97
22) 2-Butanone	4.703	43	120765	86.151	ug/L	99
23) Bromochloromethane	4.970	128	57077	49.309	ug/L	95
25) Chloroform	5.083	83	196705	51.749	ug/L	99

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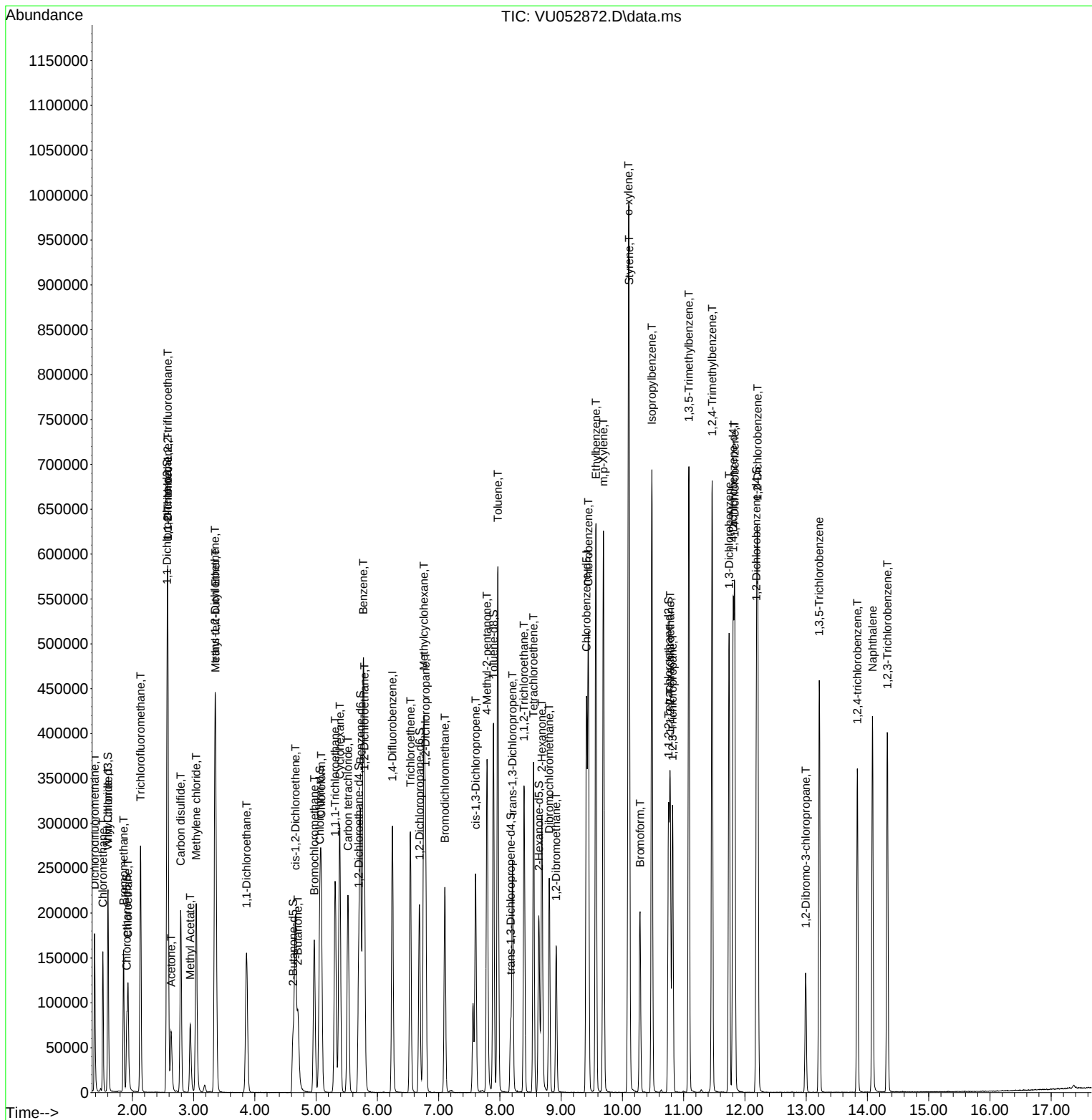
Instrument :
 MSVOA_U
 ClientSampleId :

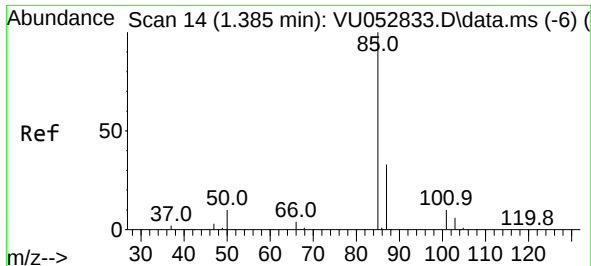
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 Quant Title : VOC Analysis
 QLast Update : Fri Jan 27 22:20:01 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	157476	52.331	ug/L	99
29) Cyclohexane	5.385	56	132636	46.809	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	174184	49.522	ug/L	99
31) Carbon tetrachloride	5.520	117	155570	51.023	ug/L	99
33) Benzene	5.771	78	407154	50.021	ug/L	100
34) Trichloroethene	6.539	95	97212	46.988	ug/L	97
35) Methylcyclohexane	6.761	83	150406	45.933	ug/L	97
37) 1,2-Dichloropropane	6.787	63	103054	51.497	ug/L	100
38) Bromodichloromethane	7.102	83	147946	50.379	ug/L	100
39) cis-1,3-Dichloropropene	7.603	75	142135	45.341	ug/L	97
40) 4-Methyl-2-pentanone	7.790	43	239549	101.605	ug/L	99
42) Toluene	7.967	91	424383	50.872	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	145087	47.096	ug/L	97
45) 1,1,2-Trichloroethane	8.394	97	103363	50.509	ug/L	98
46) Tetrachloroethene	8.549	164	81986	46.021	ug/L	98
48) 2-Hexanone	8.684	43	189053	94.786	ug/L	99
49) Dibromochloromethane	8.806	129	123069	50.289	ug/L	97
50) 1,2-Dibromoethane	8.918	107	106845	48.510	ug/L	99
51) Chlorobenzene	9.443	112	272836	47.537	ug/L	98
52) Ethylbenzene	9.568	91	434418	48.728	ug/L	100
53) m,p-Xylene	9.690	106	179259	49.668	ug/L	98
54) o-xylene	10.098	106	172074	49.943	ug/L	98
55) Styrene	10.111	104	305502	51.672	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	165181	49.876	ug/L	99
59) Bromoform	10.288	173	90773	47.717	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	132751	49.299	ug/L	99
61) Isopropylbenzene	10.481	105	434131	48.421	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	364961	48.888	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	360176	49.859	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	210756	46.592	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	216519	46.236	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	217056	47.440	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.992	75	34658	44.902	ug/L	98
69) 1,3,5-Trichlorobenzene	13.214	180	145903	43.569	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	114105	40.641	ug/L	99
71) Naphthalene	14.082	128	333009	41.274	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	128639	43.355	ug/L	98

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

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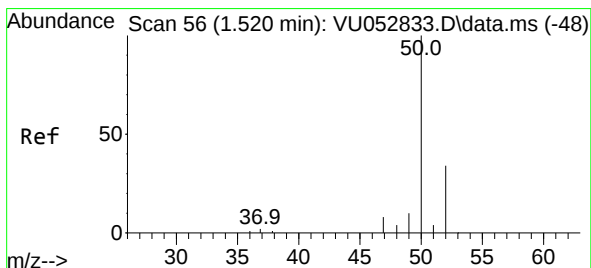
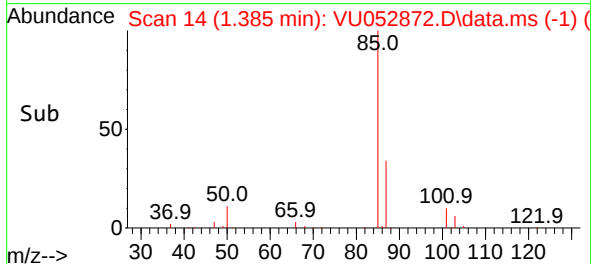
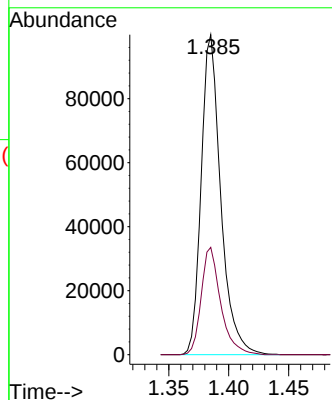
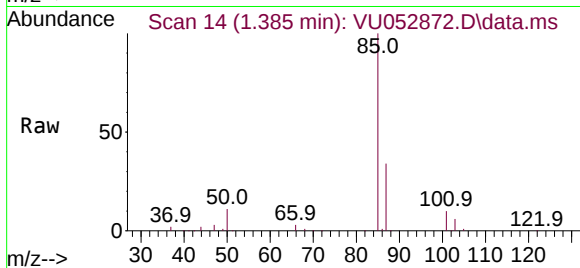




#2
Dichlorodifluoromethane
Concen: 50.308 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU052872.D
Acq: 31 Jan 2023 10:08

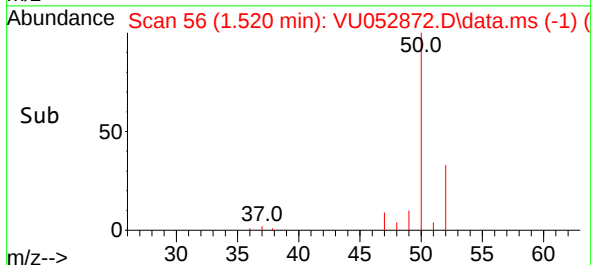
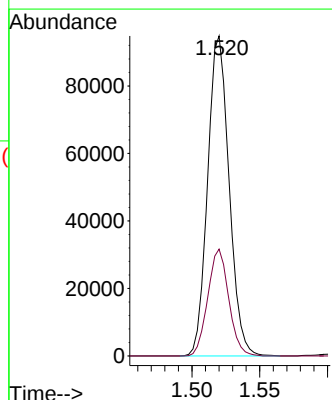
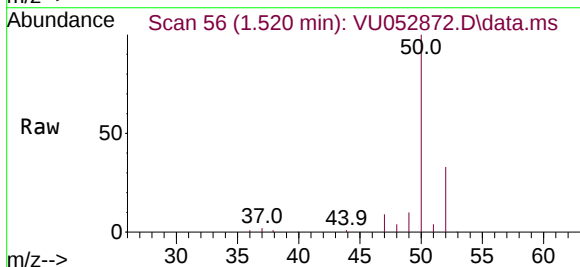
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MSVOA_U
ClientSampleId :

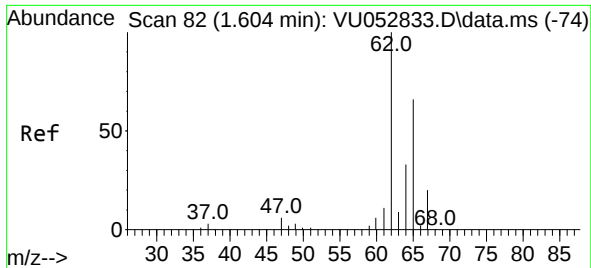
Tgt Ion: 85 Resp: 113766
Ion Ratio Lower Upper
85 100
87 33.3 26.4 39.6



#3
Chloromethane
Concen: 55.924 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU052872.D
Acq: 31 Jan 2023 10:08

Tgt Ion: 50 Resp: 104305
Ion Ratio Lower Upper
50 100
52 33.4 23.4 43.4

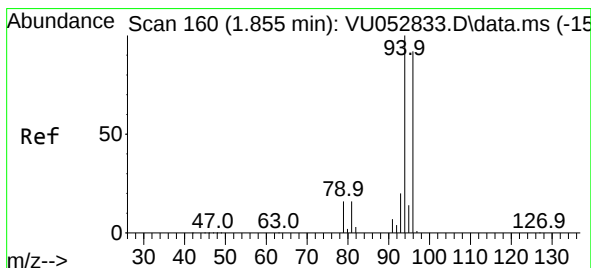
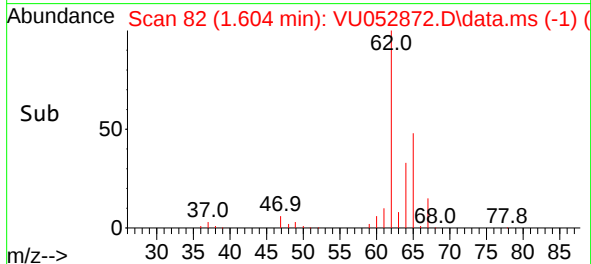
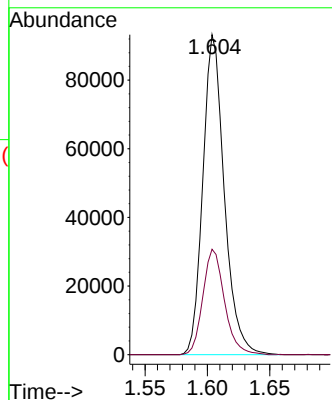
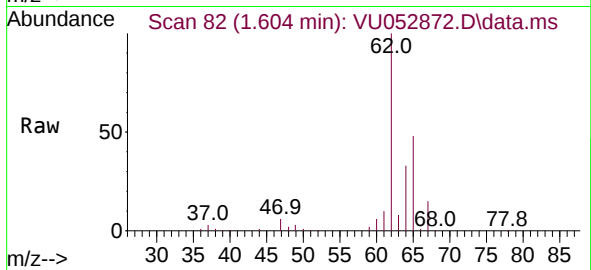




#5
 Vinyl chloride
 Concen: 53.998 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU052872.D
 Acq: 31 Jan 2023 10:08

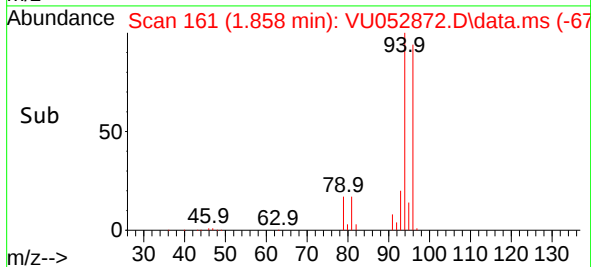
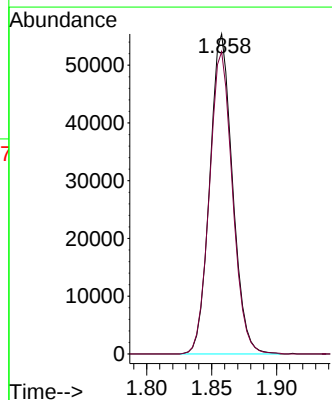
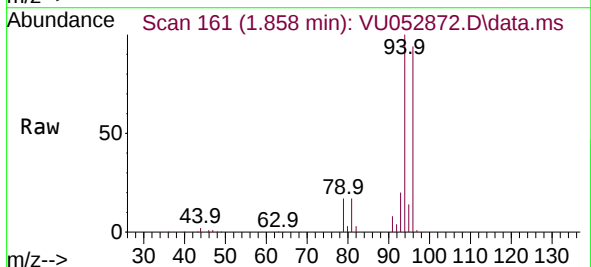
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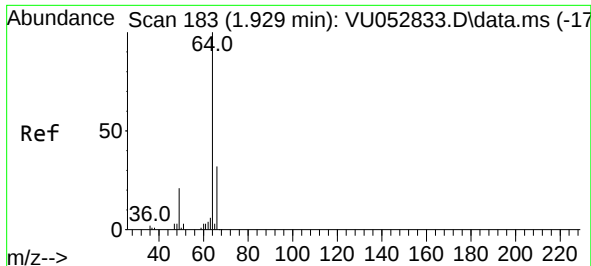
Tgt Ion: 62 Resp: 111416
 Ion Ratio Lower Upper
 62 100
 64 32.9 22.4 41.6



#6
 Bromomethane
 Concen: 51.913 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.003 min
 Lab File: VU052872.D
 Acq: 31 Jan 2023 10:08

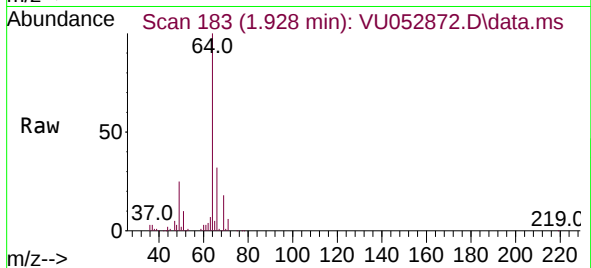
Tgt Ion: 94 Resp: 67553
 Ion Ratio Lower Upper
 94 100
 96 94.4 67.8 125.8



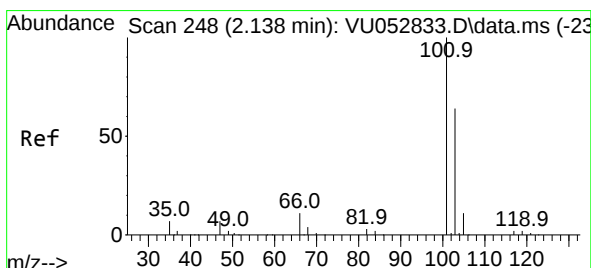
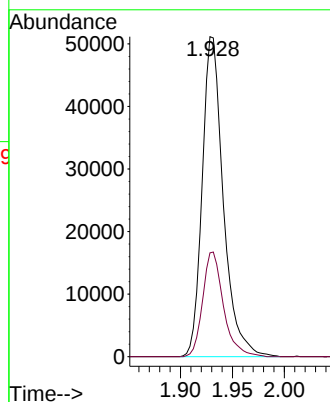
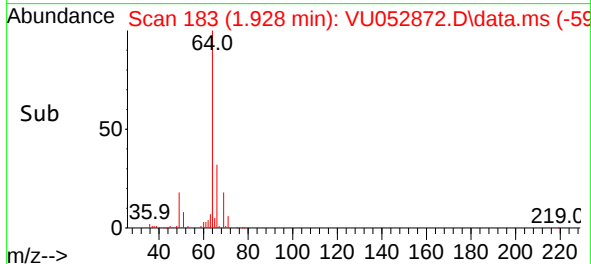


#8
Chloroethane
Concen: 55.876 ug/L
RT: 1.928 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU052872.D
Acq: 31 Jan 2023 10:08

Instrument :
MSVOA_U
ClientSampleId :

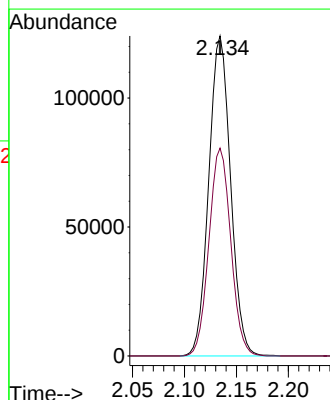
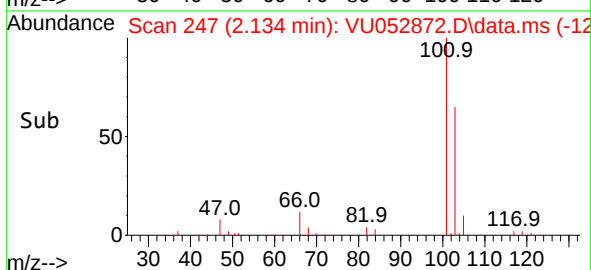
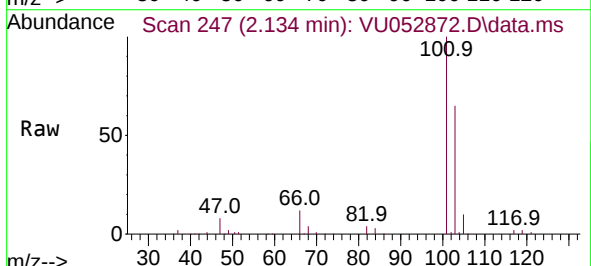


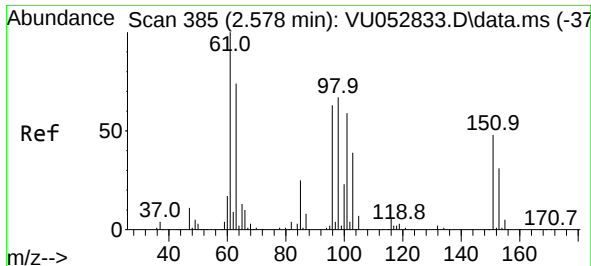
Tgt Ion: 64 Resp: 72415
Ion Ratio Lower Upper
64 100
66 32.4 24.1 44.7



#9
Trichlorofluoromethane
Concen: 52.363 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU052872.D
Acq: 31 Jan 2023 10:08

Tgt Ion: 101 Resp: 180968
Ion Ratio Lower Upper
101 100
103 65.1 52.0 78.0

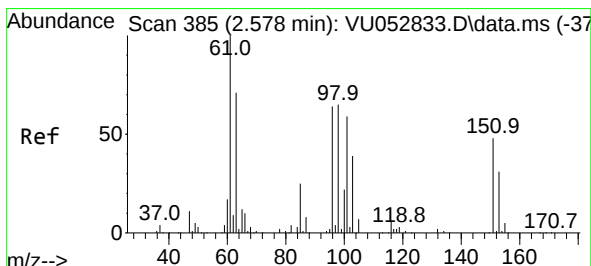
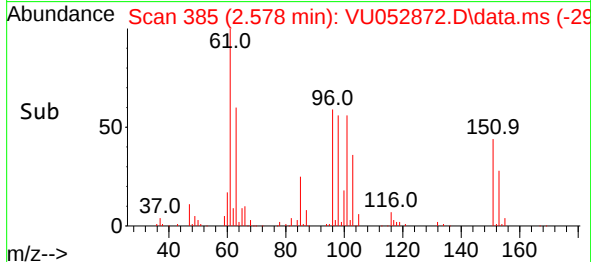
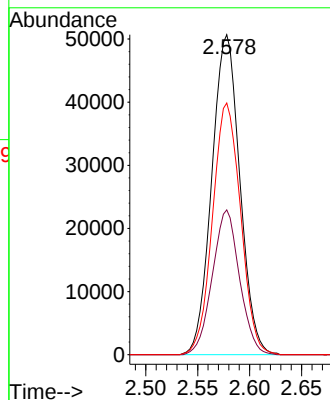
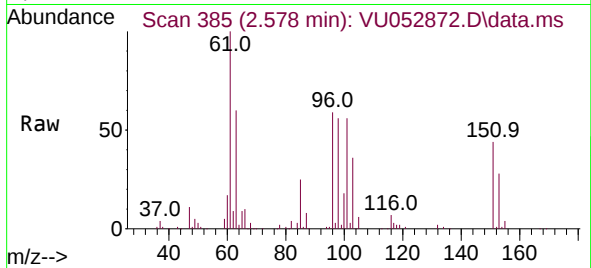




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.963 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU052872.D
 Acq: 31 Jan 2023 10:08

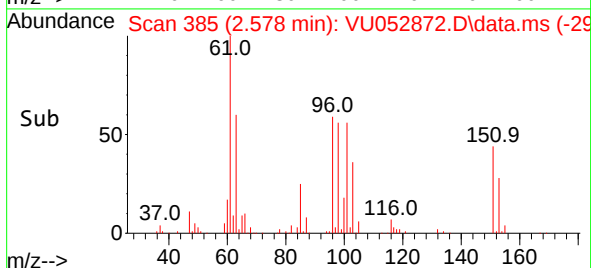
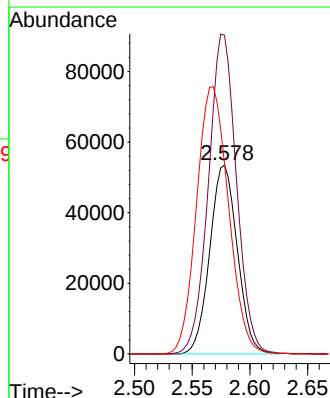
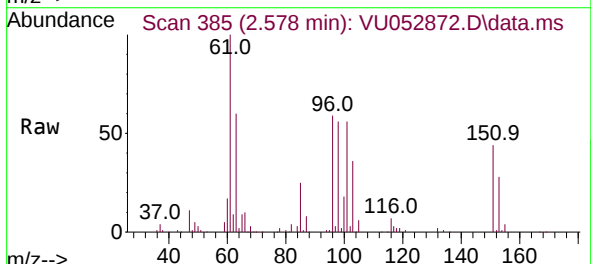
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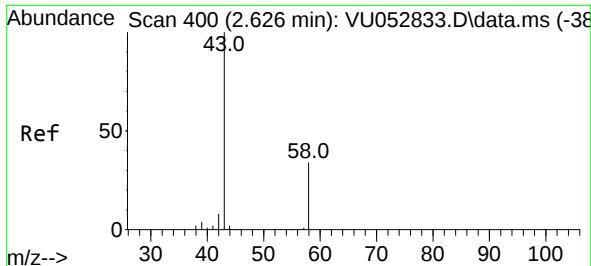
Tgt Ion:101 Resp: 95381
 Ion Ratio Lower Upper
 101 100
 85 43.7 32.9 49.3
 151 78.5 62.6 94.0



#12
 1,1-Dichloroethene
 Concen: 49.732 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU052872.D
 Acq: 31 Jan 2023 10:08

Tgt Ion: 96 Resp: 88849
 Ion Ratio Lower Upper
 96 100
 61 168.6 114.3 212.3
 63 100.7 80.6 149.6





#13

Acetone

Concen: 65.853 ug/L

RT: 2.633 min Scan# 400

Delta R.T. 0.006 min

Lab File: VU052872.D

Acq: 31 Jan 2023 10:08

Instrument :

MSVOA_U

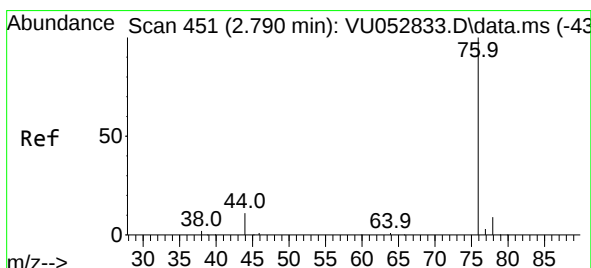
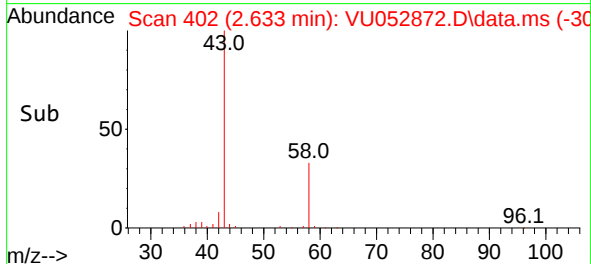
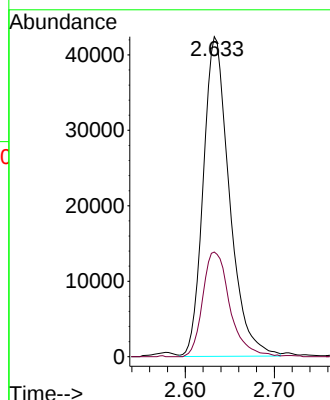
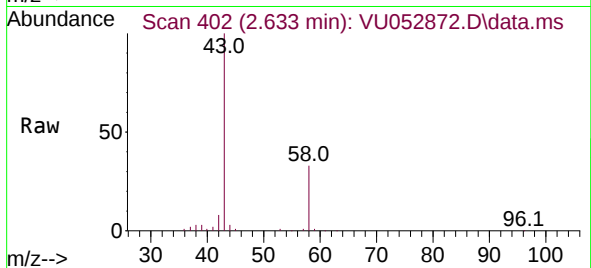
ClientSampleId :

Tgt Ion: 43 Resp: 86364

Ion Ratio Lower Upper

43 100

58 34.0 0.0 70.2



#14

Carbon disulfide

Concen: 49.498 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU052872.D

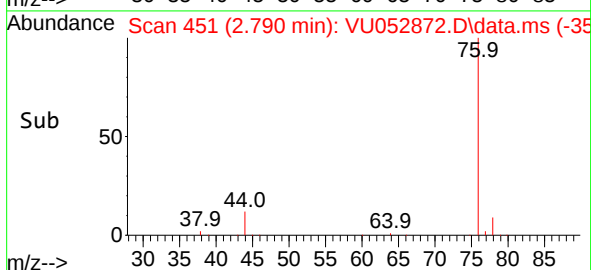
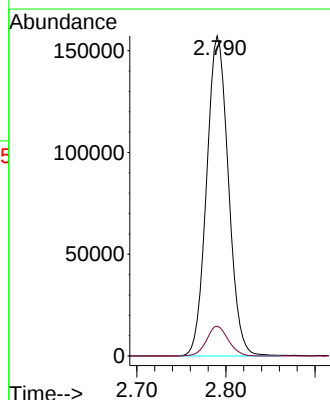
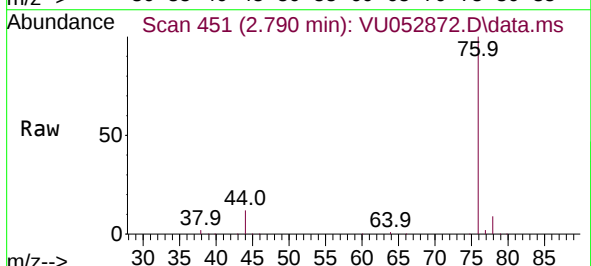
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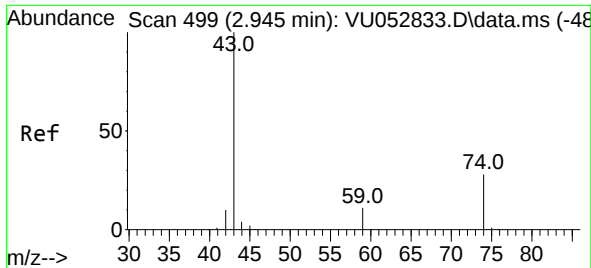
Tgt Ion: 76 Resp: 267085

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

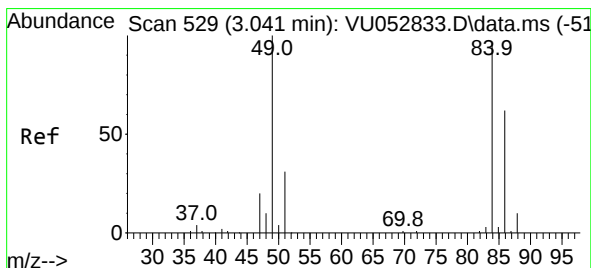
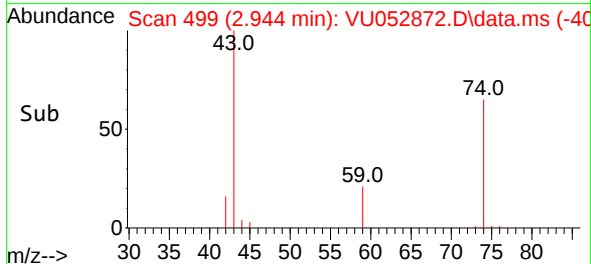
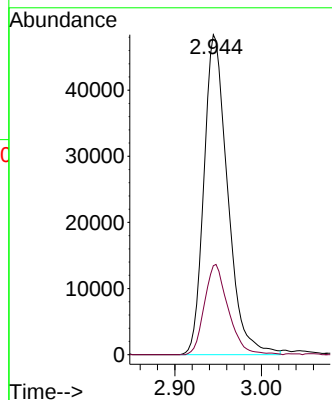
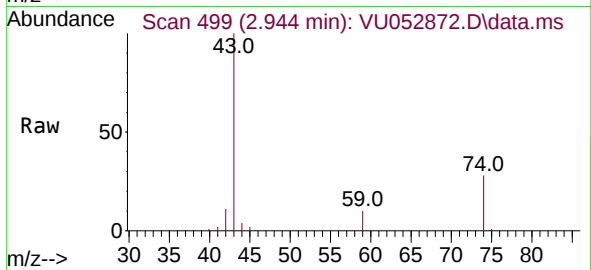




#15
Methyl Acetate
Concen: 52.163 ug/L
RT: 2.944 min Scan# 499
Delta R.T. -0.000 min
Lab File: VU052872.D
Acq: 31 Jan 2023 10:08

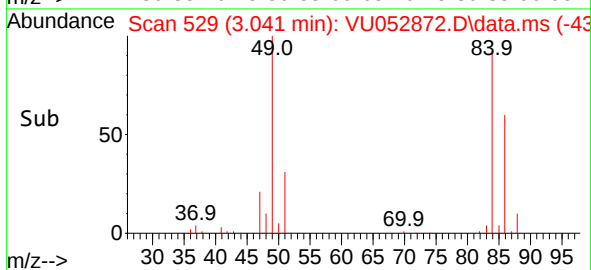
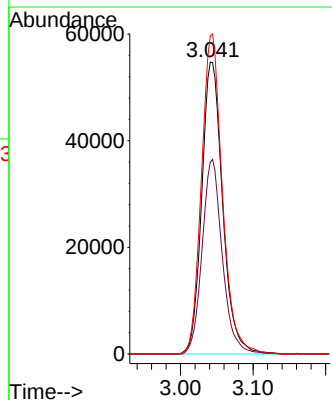
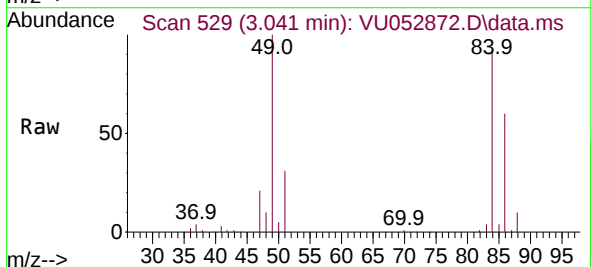
Instrument :
MSVOA_U
ClientSampleId :

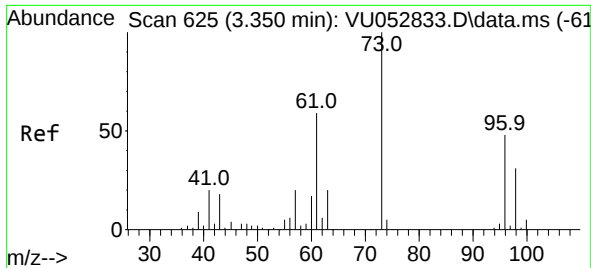
Tgt Ion: 43 Resp: 92173
Ion Ratio Lower Upper
43 100
74 28.1 22.0 33.0



#16
Methylene chloride
Concen: 51.646 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU052872.D
Acq: 31 Jan 2023 10:08

Tgt Ion: 84 Resp: 109758
Ion Ratio Lower Upper
84 100
86 65.7 43.4 80.6
49 109.0 72.4 134.5





#17

trans-1,2-Dichloroethene

Concen: 47.839 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU052872.D

Acq: 31 Jan 2023 10:08

Instrument :

MSVOA_U

ClientSampleId :

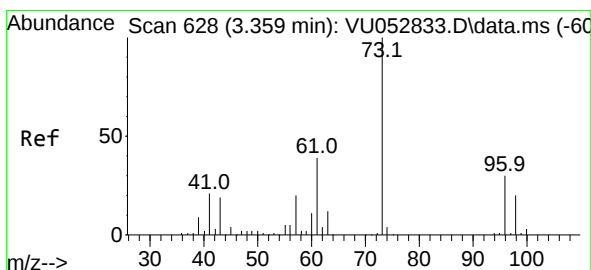
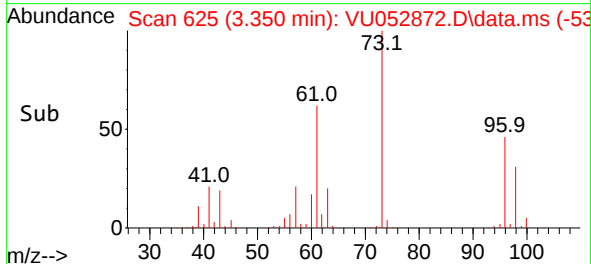
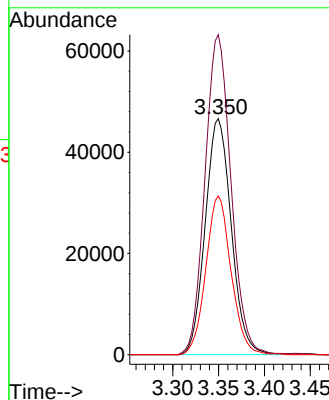
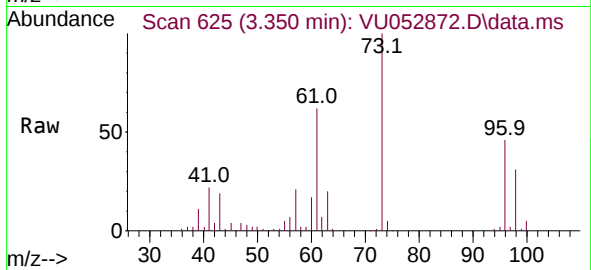
Tgt Ion: 96 Resp: 92361

Ion Ratio Lower Upper

96 100

61 135.6 92.7 172.3

98 67.3 44.7 82.9



#18

Methyl tert-butyl Ether

Concen: 50.806 ug/L

RT: 3.359 min Scan# 628

Delta R.T. -0.000 min

Lab File: VU052872.D

Acq: 31 Jan 2023 10:08

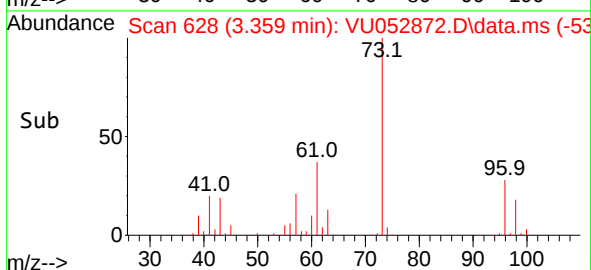
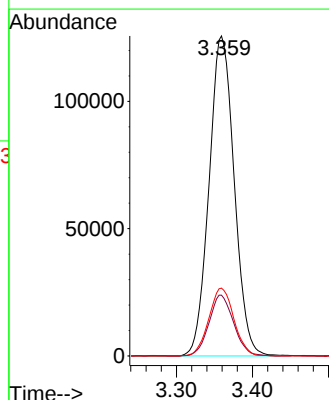
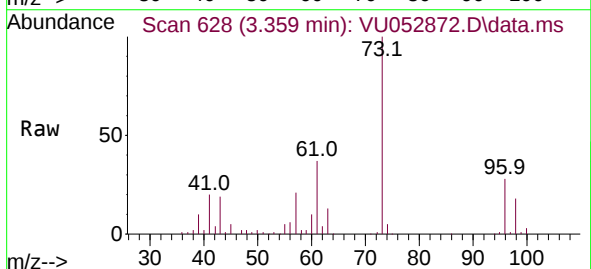
Tgt Ion: 73 Resp: 288428

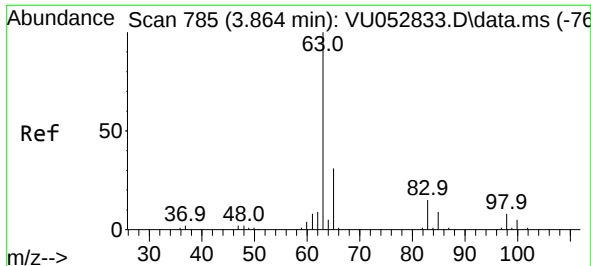
Ion Ratio Lower Upper

73 100

43 18.7 14.2 21.2

57 21.2 16.3 24.5





#19

1,1-Dichloroethane

Concen: 52.301 ug/L

RT: 3.864 min Scan# 71

Delta R.T. -0.000 min

Lab File: VU052872.D

Acq: 31 Jan 2023 10:08

Instrument :

MSVOA_U

ClientSampleId :

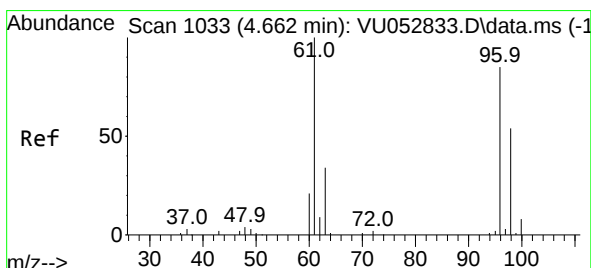
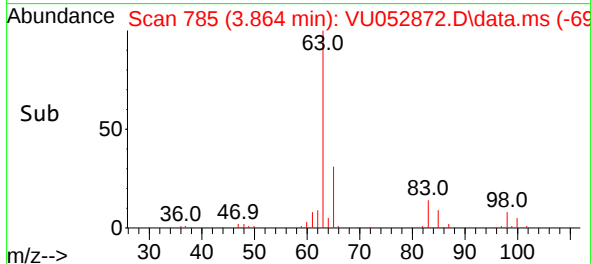
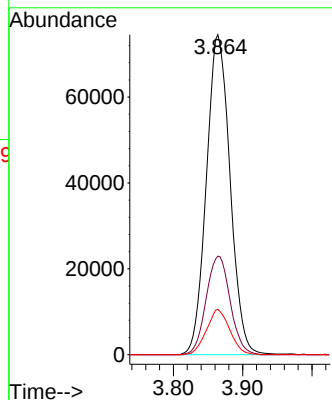
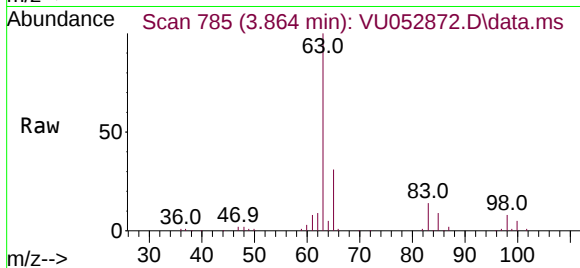
Tgt Ion: 63 Resp: 177092

Ion Ratio Lower Upper

63 100

65 30.8 22.4 41.6

83 14.2 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 48.926 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU052872.D

Acq: 31 Jan 2023 10:08

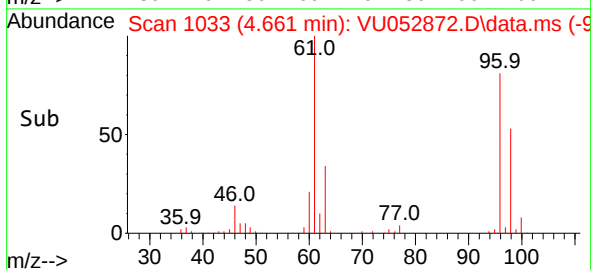
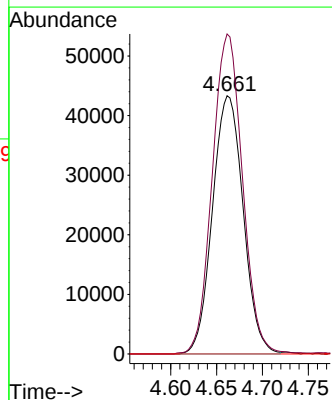
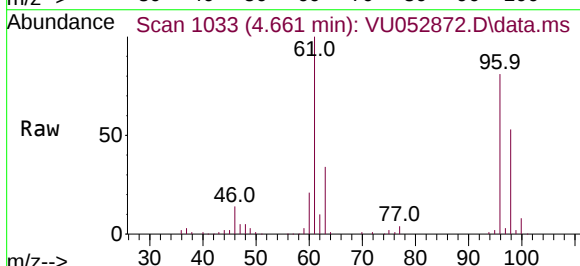
Tgt Ion: 96 Resp: 100854

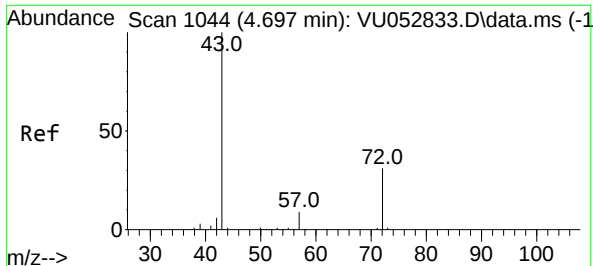
Ion Ratio Lower Upper

96 100

61 123.9 84.1 156.1

68 0.0 0.0 0.0

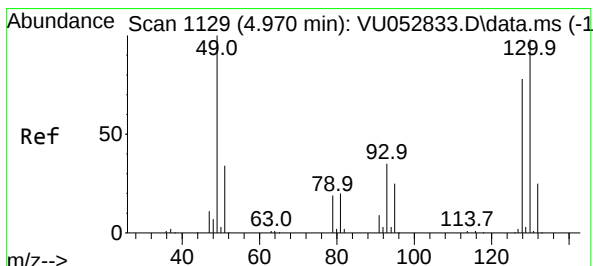
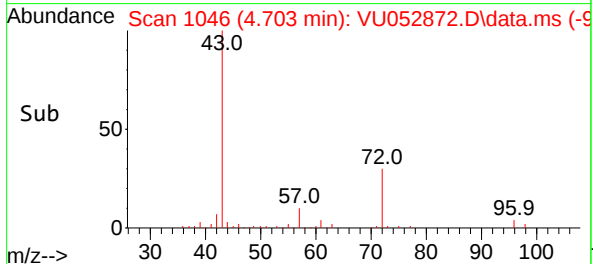
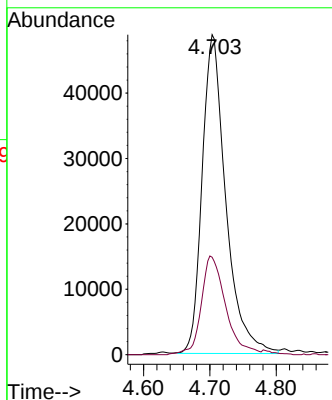
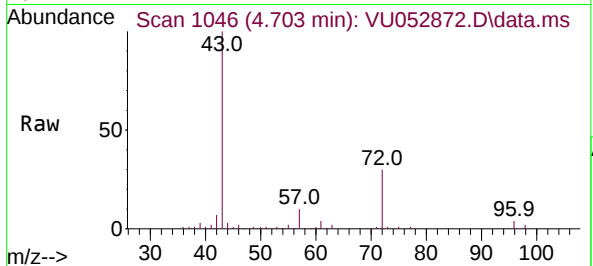




#22
2-Butanone
Concen: 86.151 ug/L
RT: 4.703 min Scan# 1046
Delta R.T. 0.006 min
Lab File: VU052872.D
Acq: 31 Jan 2023 10:08

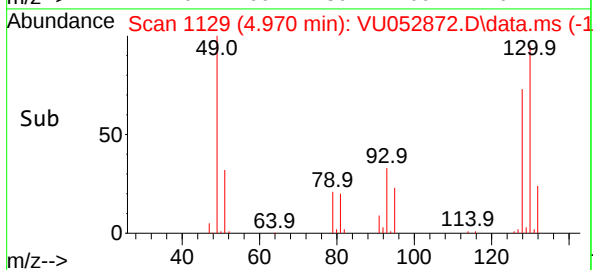
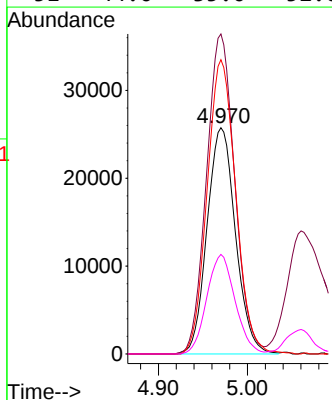
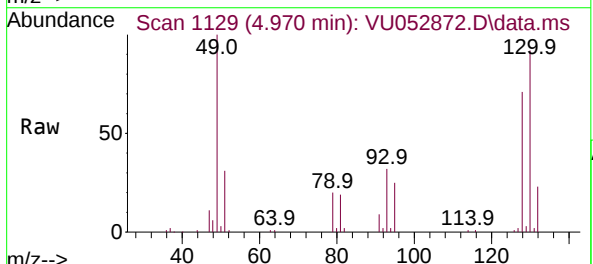
Instrument :
MSVOA_U
ClientSampleId :

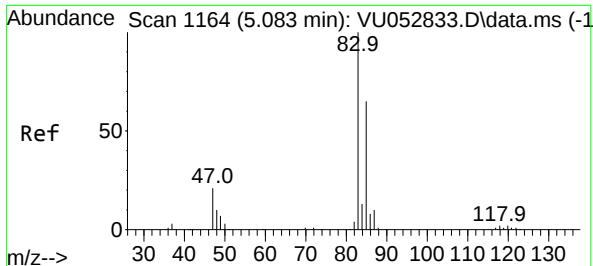
Tgt Ion: 43 Resp: 120765
Ion Ratio Lower Upper
43 100
72 31.8 15.5 46.5



#23
Bromochloromethane
Concen: 49.309 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VU052872.D
Acq: 31 Jan 2023 10:08

Tgt Ion:128 Resp: 57077
Ion Ratio Lower Upper
128 100
49 141.5 90.1 167.3
130 130.1 90.1 167.3
51 44.0 35.0 52.6





#25

Chloroform

Concen: 51.749 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU052872.D

Acq: 31 Jan 2023 10:08

Instrument :

MSVOA_U

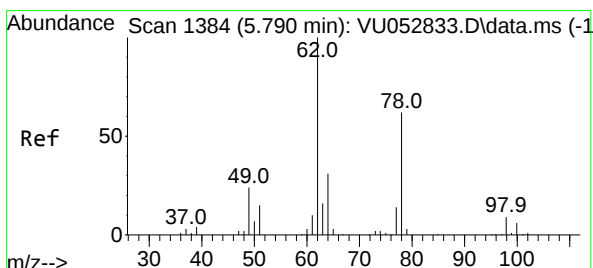
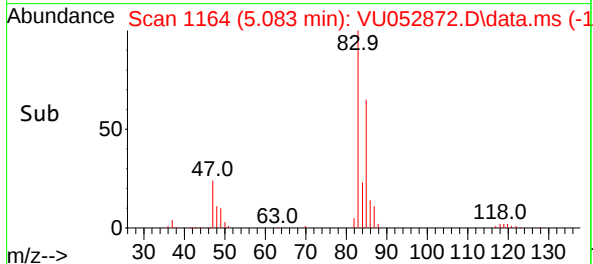
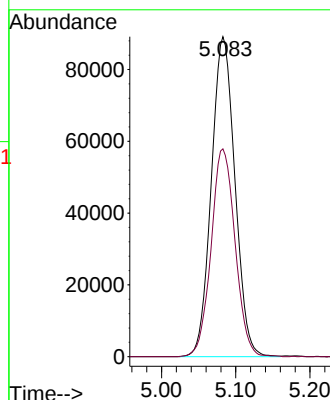
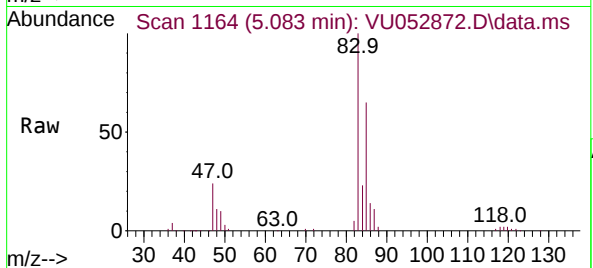
ClientSampleId :

Tgt Ion: 83 Resp: 196705

Ion Ratio Lower Upper

83 100

85 65.0 45.8 85.0



#27

1,2-Dichloroethane

Concen: 52.331 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VU052872.D

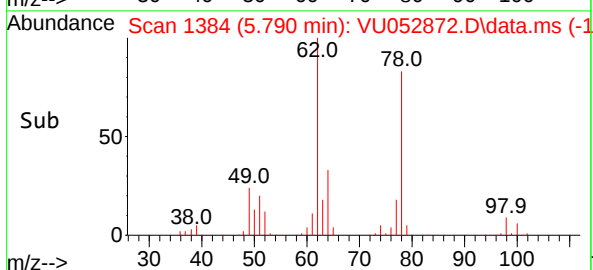
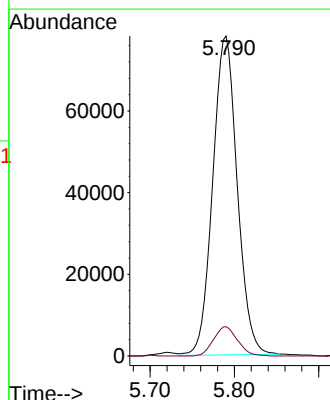
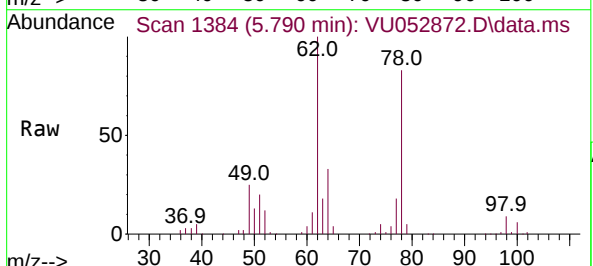
Acq: 31 Jan 2023 10:08

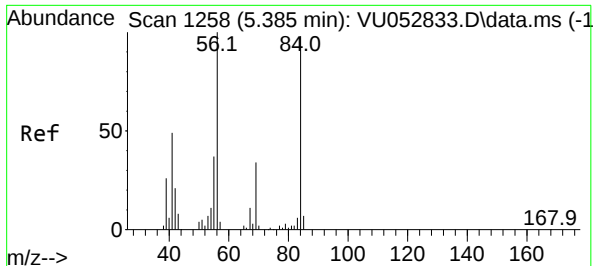
Tgt Ion: 62 Resp: 157476

Ion Ratio Lower Upper

62 100

98 9.2 7.6 11.4





#29

Cyclohexane

Concen: 46.809 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

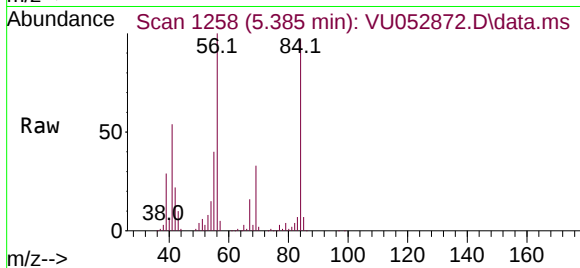
Lab File: VU052872.D

Acq: 31 Jan 2023 10:08

Instrument :

MSVOA_U

ClientSampleId :



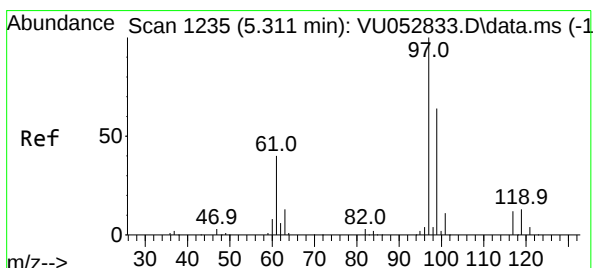
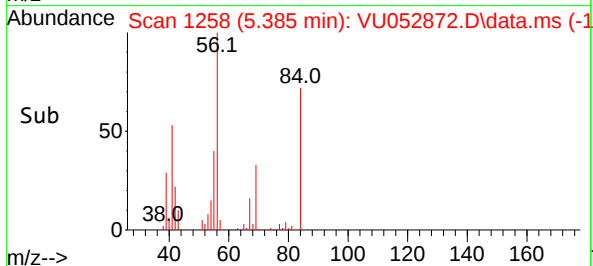
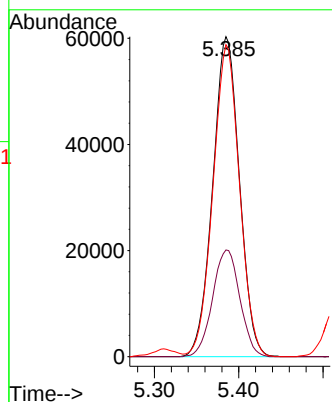
Tgt Ion: 56 Resp: 132636

Ion Ratio Lower Upper

56 100

69 34.0 26.6 40.0

84 96.9 77.0 115.4



#30

1,1,1-Trichloroethane

Concen: 49.522 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.000 min

Lab File: VU052872.D

Acq: 31 Jan 2023 10:08

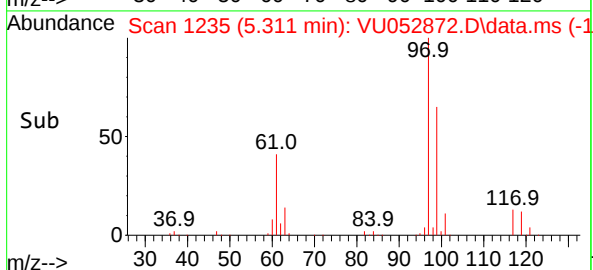
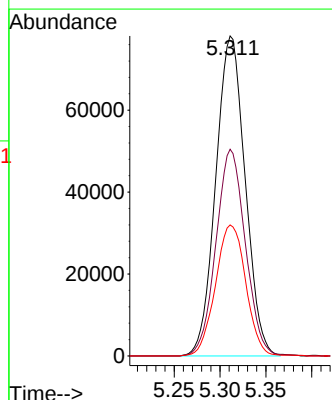
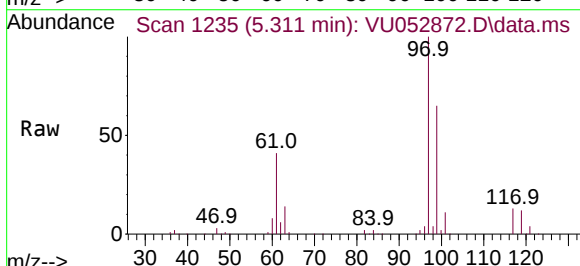
Tgt Ion: 97 Resp: 174184

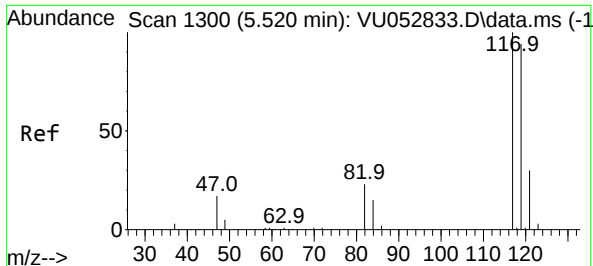
Ion Ratio Lower Upper

97 100

99 64.7 51.4 77.0

61 42.1 33.0 49.6

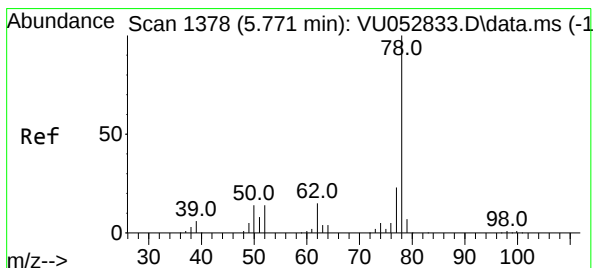
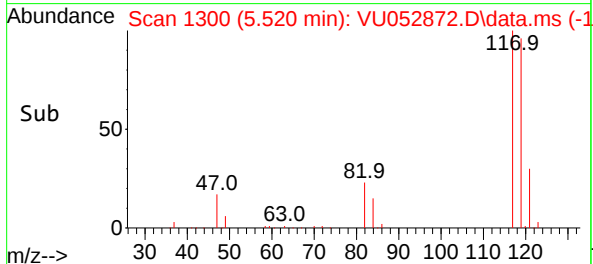
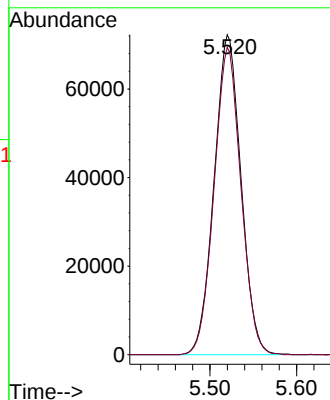
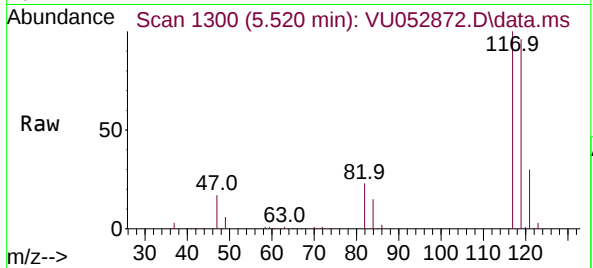




#31
Carbon tetrachloride
Concen: 51.023 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU052872.D
Acq: 31 Jan 2023 10:08

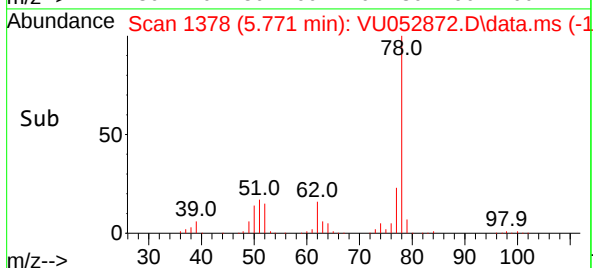
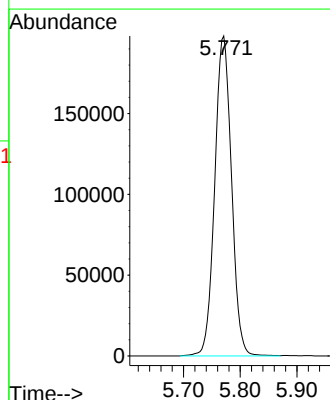
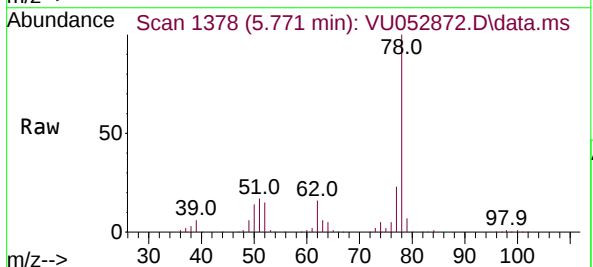
Instrument :
MSVOA_U
ClientSampleId :

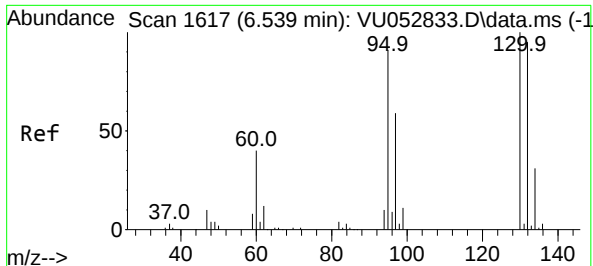
Tgt Ion:117 Resp: 155570
Ion Ratio Lower Upper
117 100
119 95.8 76.2 114.4



#33
Benzene
Concen: 50.021 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU052872.D
Acq: 31 Jan 2023 10:08

Tgt Ion: 78 Resp: 407154





#34

Trichloroethene

Concen: 46.988 ug/L

RT: 6.539 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU052872.D

Acq: 31 Jan 2023 10:08

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 97212

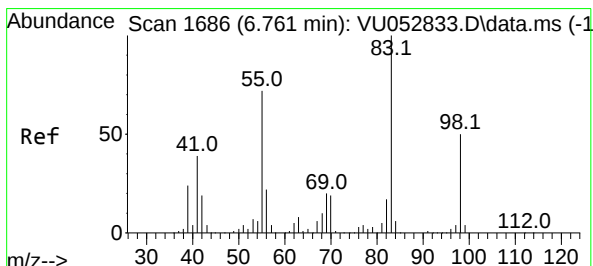
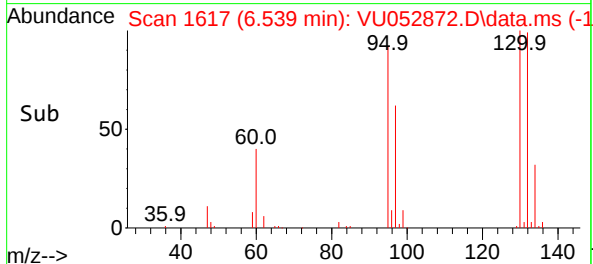
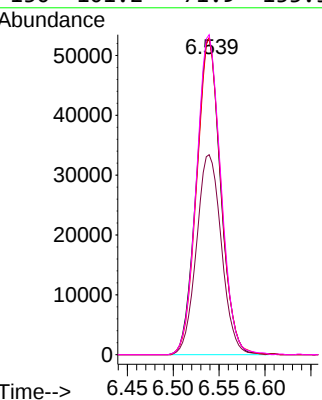
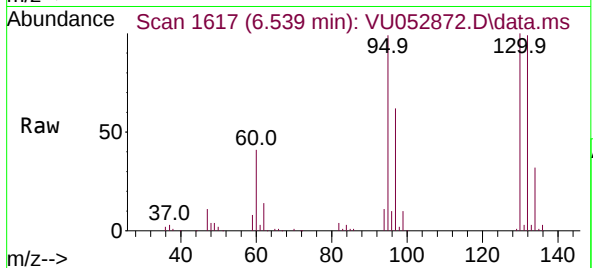
Ion Ratio Lower Upper

95 100

97 63.2 44.5 82.7

132 100.2 66.8 124.0

130 101.2 71.9 133.5



#35

Methylcyclohexane

Concen: 45.933 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. -0.000 min

Lab File: VU052872.D

Acq: 31 Jan 2023 10:08

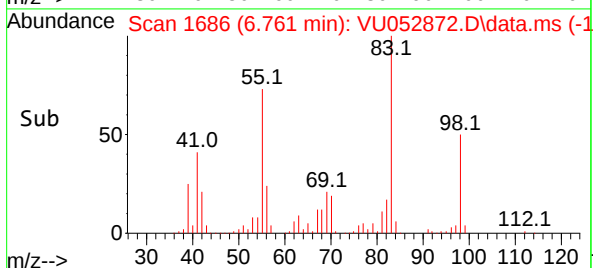
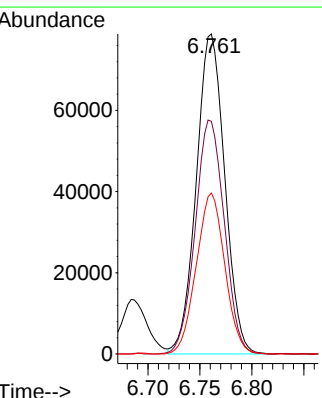
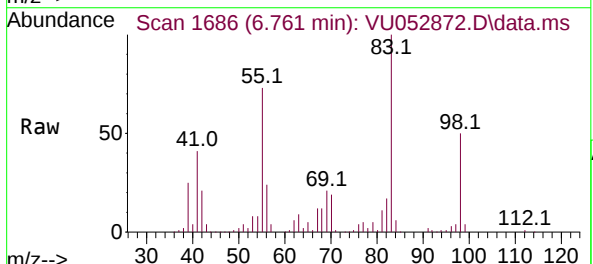
Tgt Ion: 83 Resp: 150406

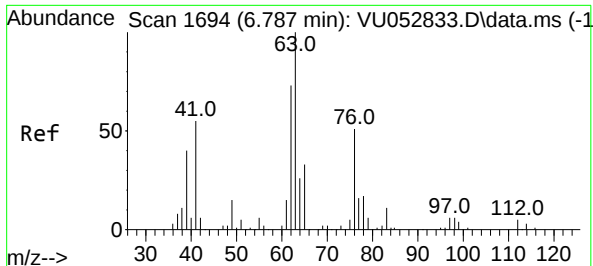
Ion Ratio Lower Upper

83 100

55 74.5 57.1 85.7

98 50.4 38.9 58.3





#37

1,2-Dichloropropane

Concen: 51.497 ug/L

RT: 6.787 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU052872.D

Acq: 31 Jan 2023 10:08

Instrument :

MSVOA_U

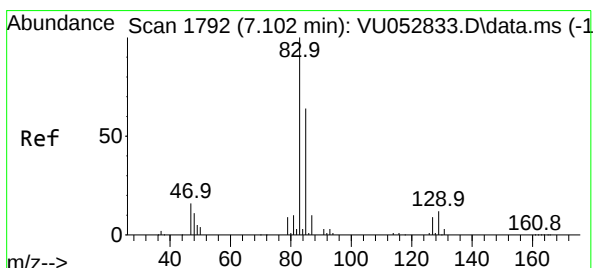
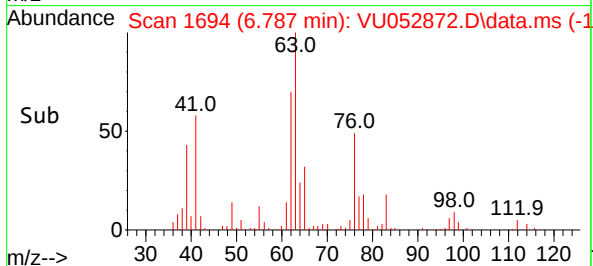
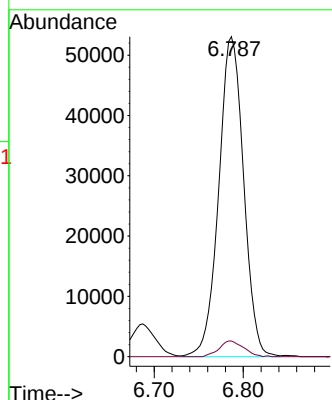
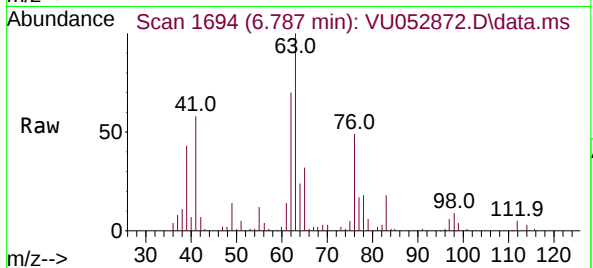
ClientSampleId :

Tgt Ion: 63 Resp: 103054

Ion Ratio Lower Upper

63 100

112 4.8 3.8 5.8



#38

Bromodichloromethane

Concen: 50.379 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VU052872.D

Acq: 31 Jan 2023 10:08

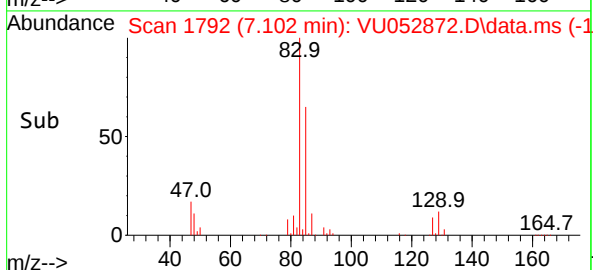
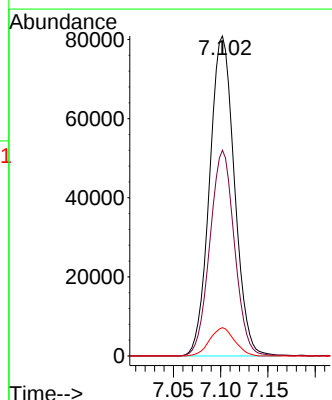
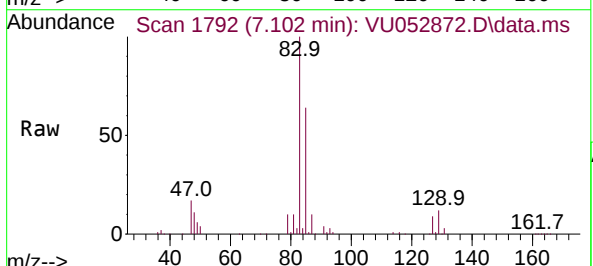
Tgt Ion: 83 Resp: 147946

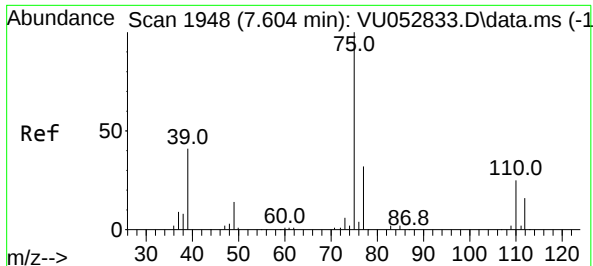
Ion Ratio Lower Upper

83 100

85 64.3 45.2 84.0

127 8.8 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 45.341 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU052872.D

Acq: 31 Jan 2023 10:08

Instrument :

MSVOA_U

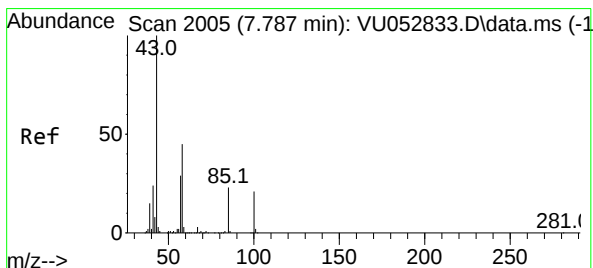
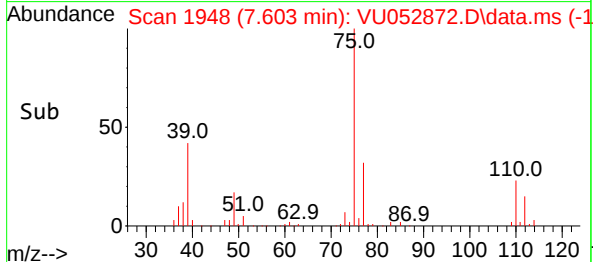
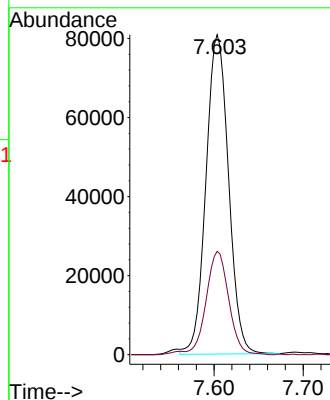
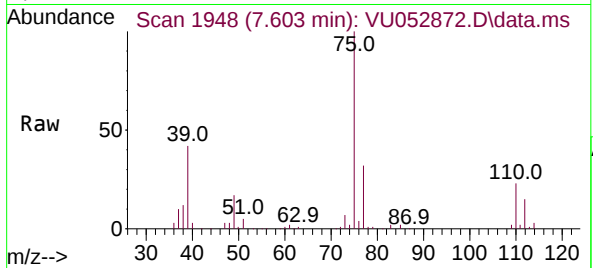
ClientSampleId :

Tgt Ion: 75 Resp: 142135

Ion Ratio Lower Upper

75 100

77 32.3 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 101.605 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VU052872.D

Acq: 31 Jan 2023 10:08

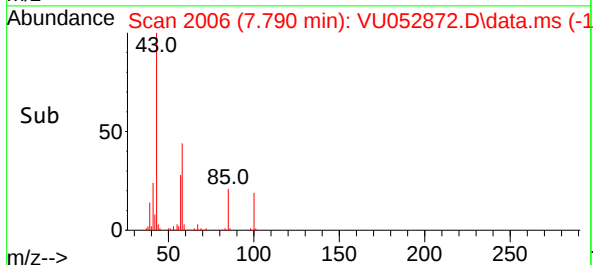
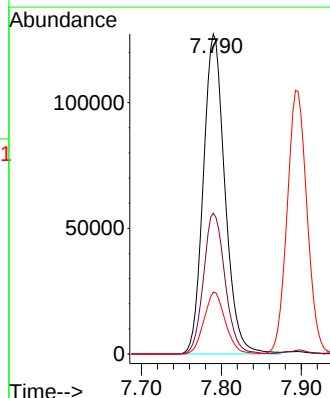
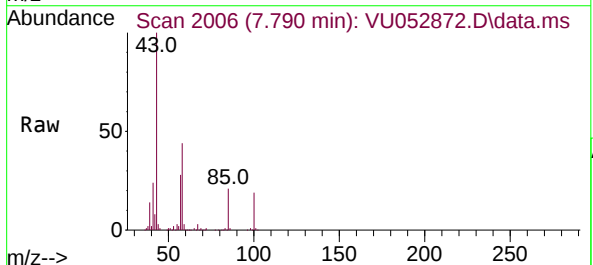
Tgt Ion: 43 Resp: 239549

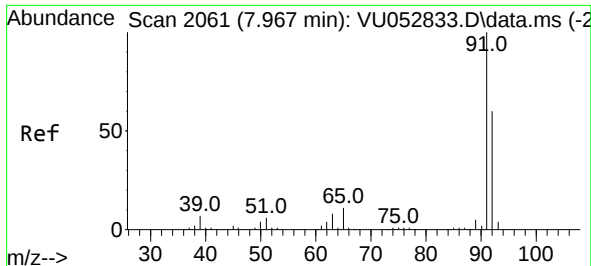
Ion Ratio Lower Upper

43 100

58 43.9 35.4 53.2

100 19.0 16.0 24.0





#42

Toluene

Concen: 50.872 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU052872.D

Acq: 31 Jan 2023 10:08

Instrument :

MSVOA_U

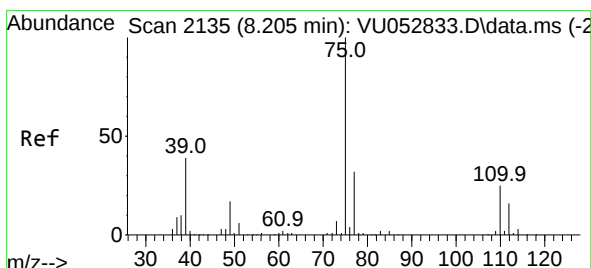
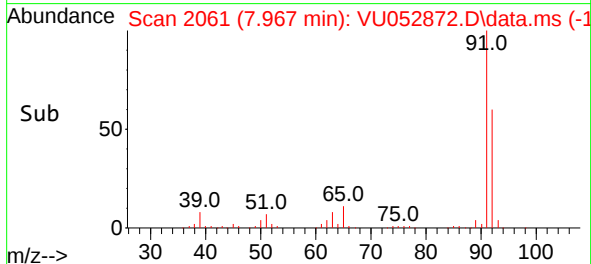
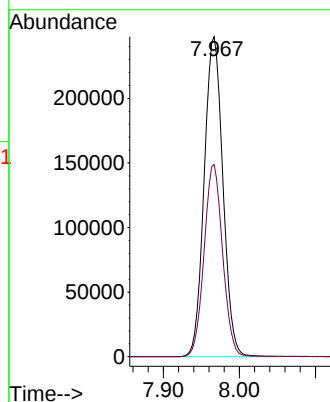
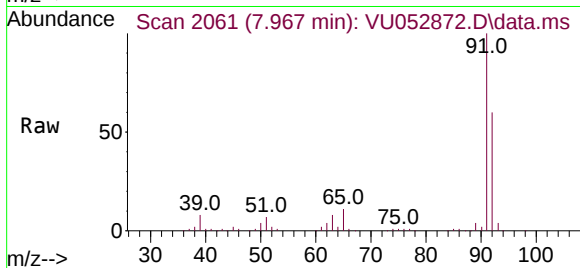
ClientSampleId :

Tgt Ion: 91 Resp: 424383

Ion Ratio Lower Upper

91 100

92 60.0 42.6 79.0



#44

trans-1,3-Dichloropropene

Concen: 47.096 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU052872.D

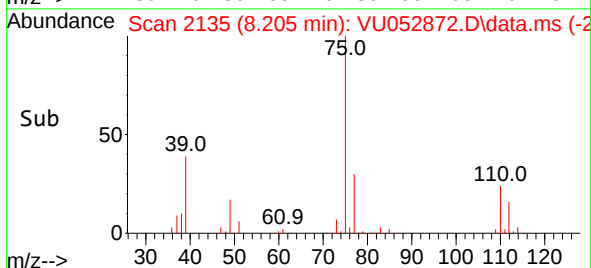
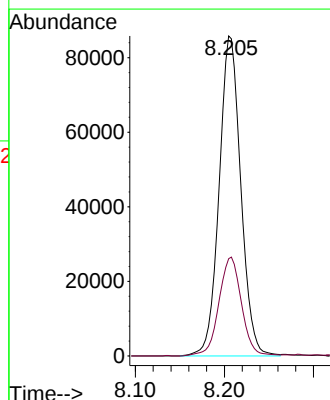
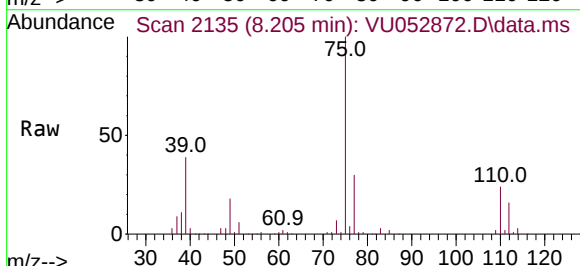
Acq: 31 Jan 2023 10:08

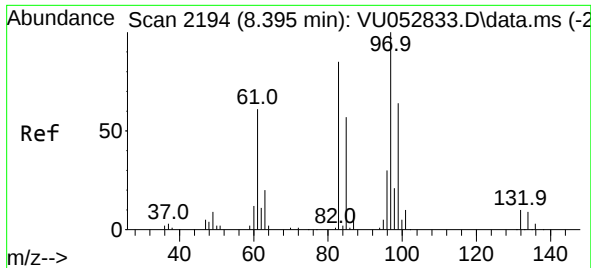
Tgt Ion: 75 Resp: 145087

Ion Ratio Lower Upper

75 100

77 30.4 22.3 41.3



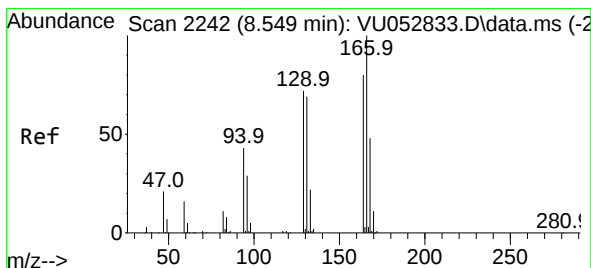
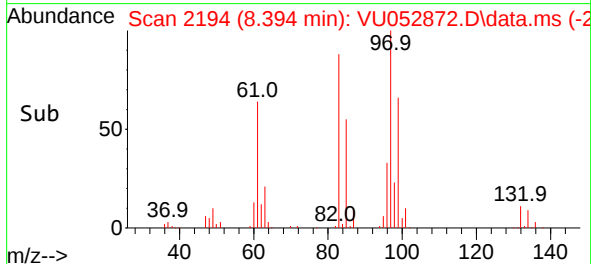
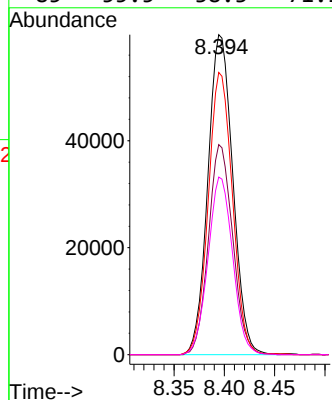
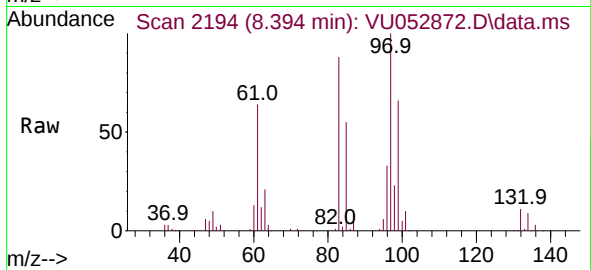


#45
1,1,2-Trichloroethane
Concen: 50.509 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU052872.D
Acq: 31 Jan 2023 10:08

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 103363

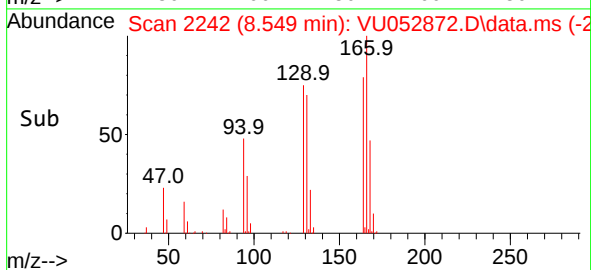
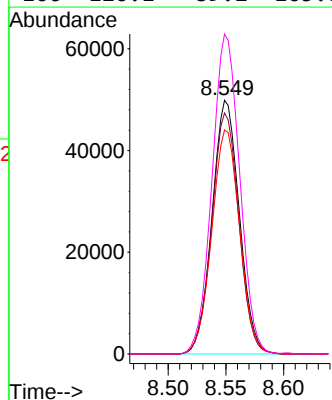
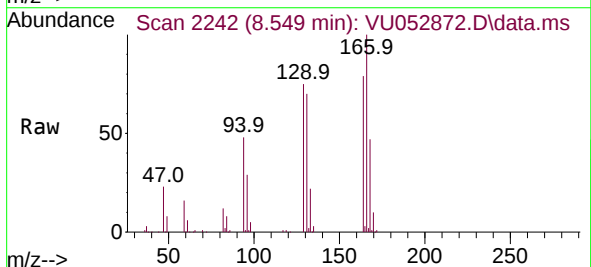
Ion	Ratio	Lower	Upper
97	100		
99	65.6	44.7	83.1
83	88.2	60.3	112.1
85	55.5	38.3	71.1

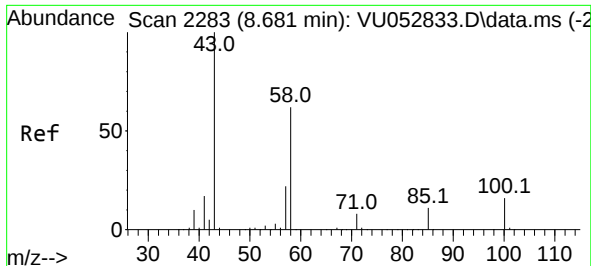


#46
Tetrachloroethene
Concen: 46.021 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU052872.D
Acq: 31 Jan 2023 10:08

Tgt Ion: 164 Resp: 81986

Ion	Ratio	Lower	Upper
164	100		
129	95.0	64.8	120.3
131	88.3	61.2	113.6
166	126.1	89.2	165.8

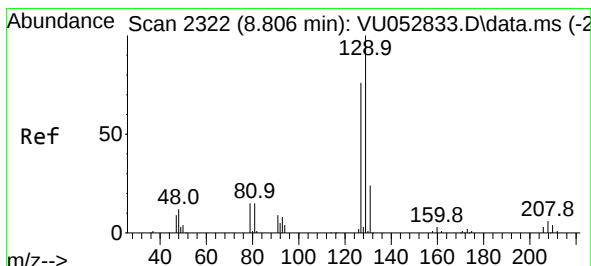
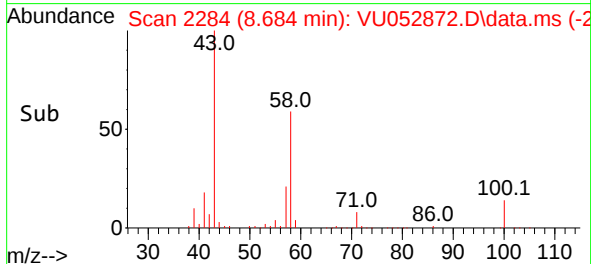
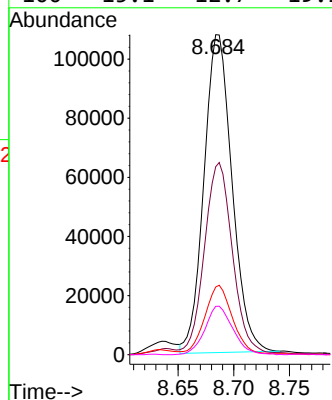
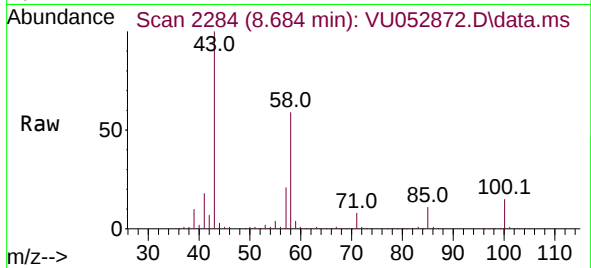




#48
2-Hexanone
Concen: 94.786 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU052872.D
Acq: 31 Jan 2023 10:08

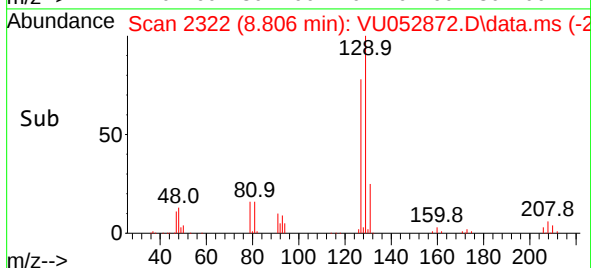
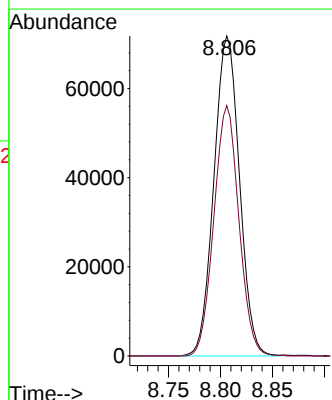
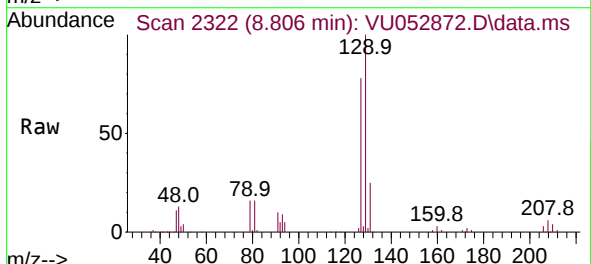
Instrument :
MSVOA_U
ClientSampleId :

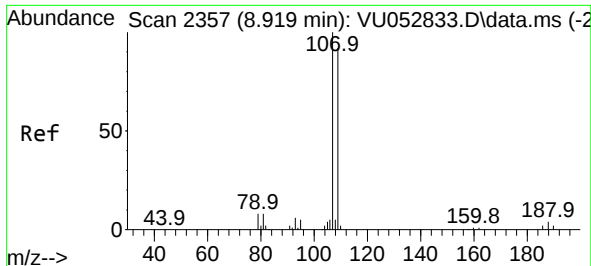
Tgt Ion: 43 Resp: 189053
Ion Ratio Lower Upper
43 100
58 60.2 48.0 72.0
57 21.2 16.8 25.2
100 15.1 12.7 19.1



#49
Dibromochloromethane
Concen: 50.289 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU052872.D
Acq: 31 Jan 2023 10:08

Tgt Ion: 129 Resp: 123069
Ion Ratio Lower Upper
129 100
127 78.3 53.2 98.8





#50

1,2-Dibromoethane

Concen: 48.510 ug/L

RT: 8.918 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU052872.D

Acq: 31 Jan 2023 10:08

Instrument :

MSVOA_U

ClientSampleId :

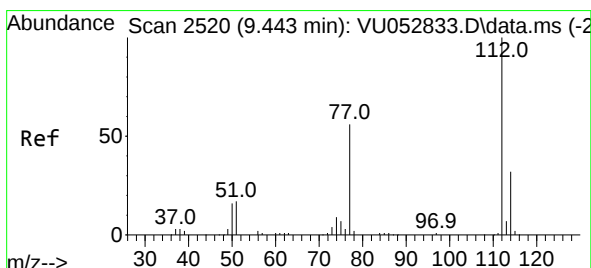
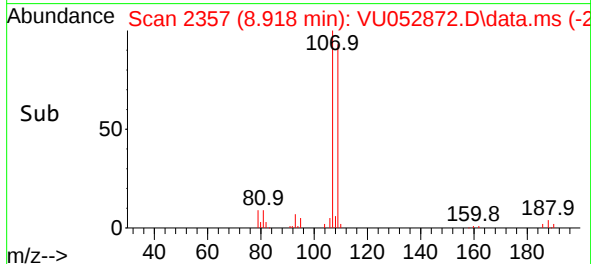
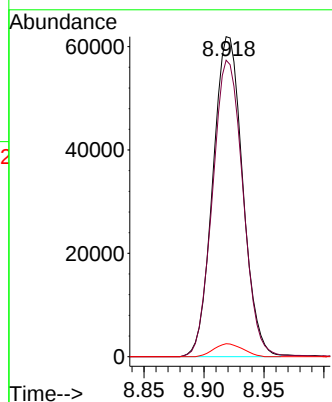
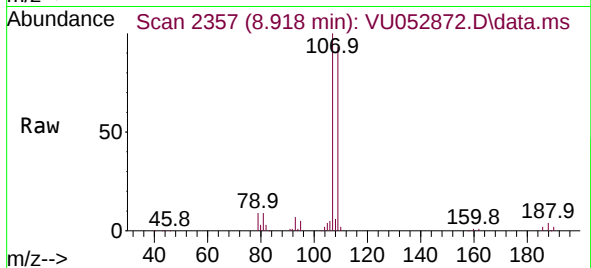
Tgt Ion:107 Resp: 106845

Ion Ratio Lower Upper

107 100

109 92.7 65.5 121.6

188 4.0 3.2 4.8



#51

Chlorobenzene

Concen: 47.537 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU052872.D

Acq: 31 Jan 2023 10:08

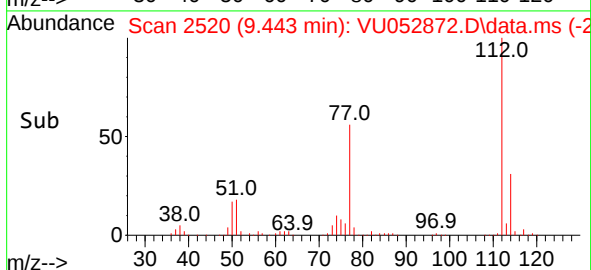
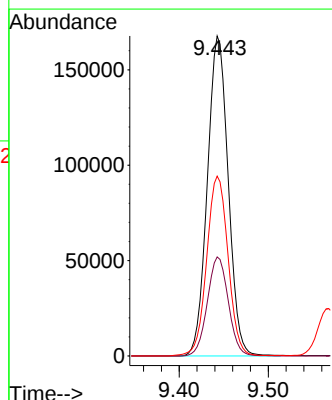
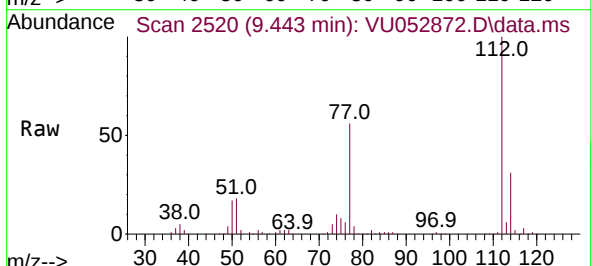
Tgt Ion:112 Resp: 272836

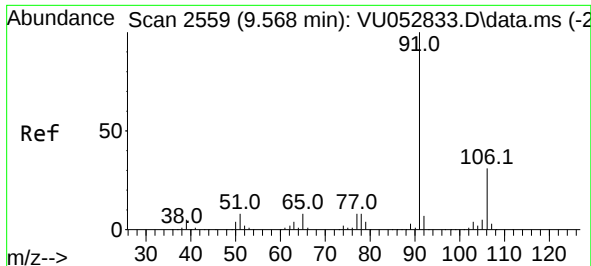
Ion Ratio Lower Upper

112 100

114 30.9 22.8 42.4

77 56.2 45.9 68.9

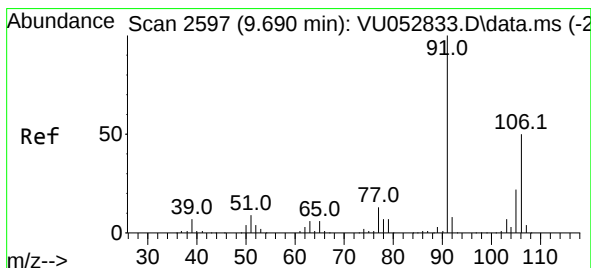
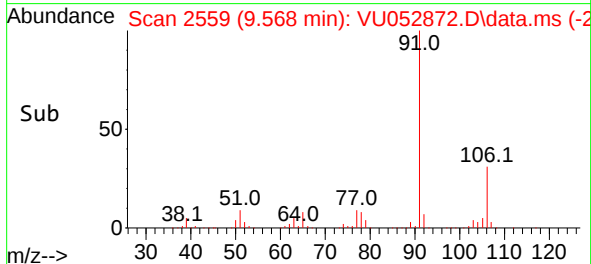
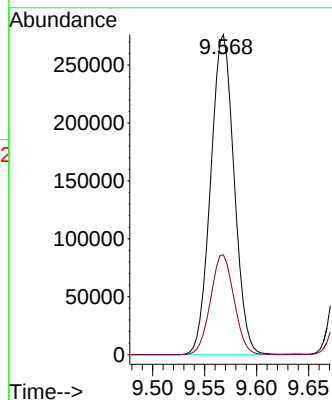
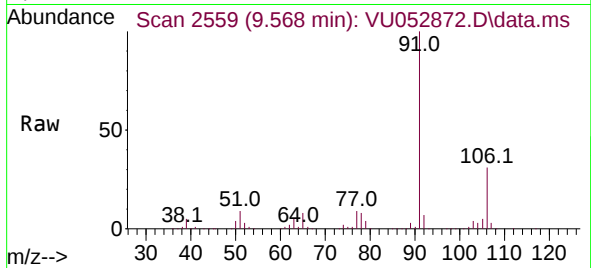




#52
Ethylbenzene
Concen: 48.728 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU052872.D
Acq: 31 Jan 2023 10:08

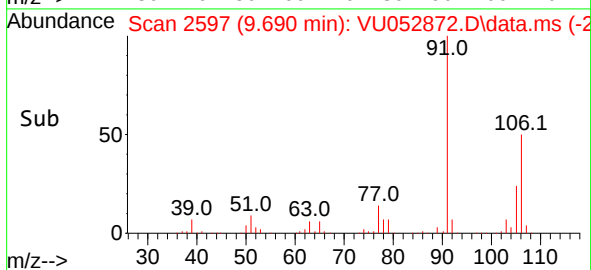
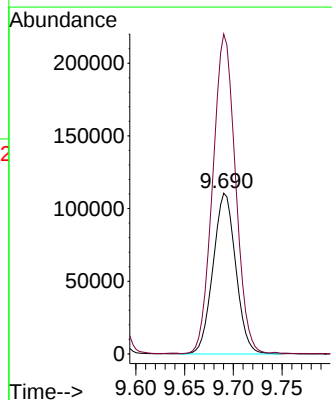
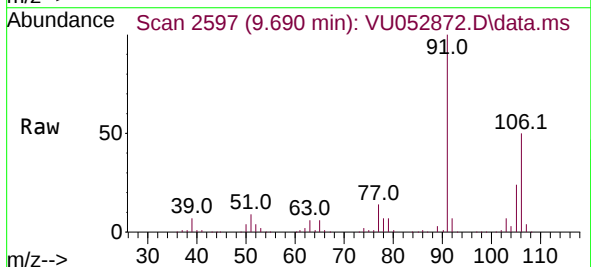
Instrument :
MSVOA_U
ClientSampleId :

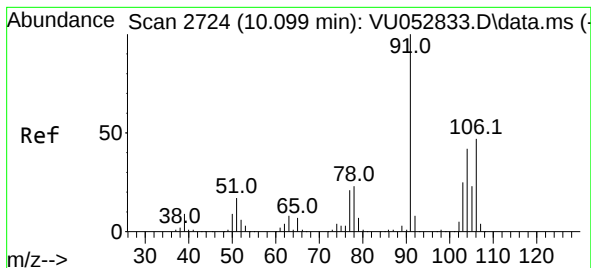
Tgt Ion: 91 Resp: 434418
Ion Ratio Lower Upper
91 100
106 31.2 22.0 40.8



#53
m,p-Xylene
Concen: 49.668 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU052872.D
Acq: 31 Jan 2023 10:08

Tgt Ion: 106 Resp: 179259
Ion Ratio Lower Upper
106 100
91 199.1 137.4 255.2





#54

o-xylene

Concen: 49.943 ug/L

RT: 10.098 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU052872.D

Acq: 31 Jan 2023 10:08

Instrument :

MSVOA_U

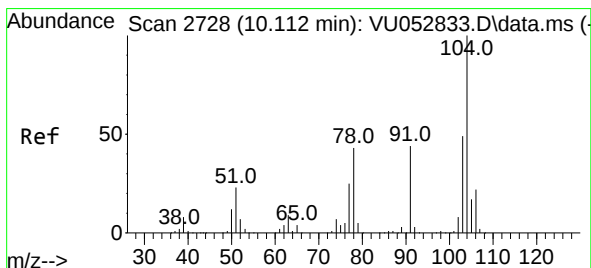
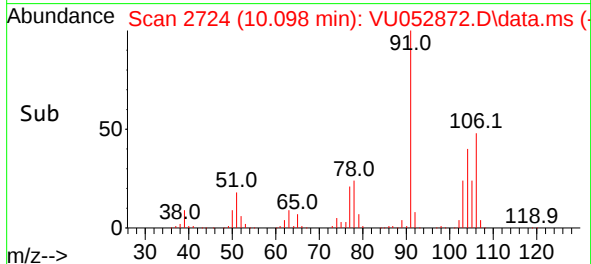
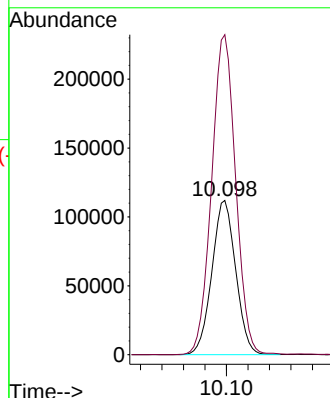
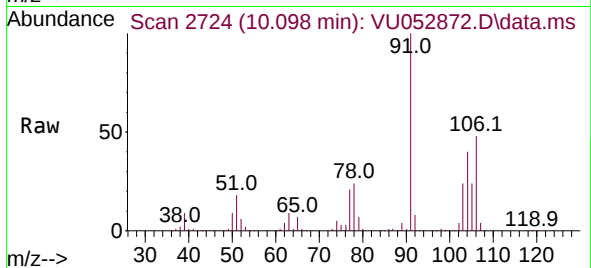
ClientSampleId :

Tgt Ion:106 Resp: 172074

Ion Ratio Lower Upper

106 100

91 207.5 143.4 266.2



#55

Styrene

Concen: 51.672 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. -0.000 min

Lab File: VU052872.D

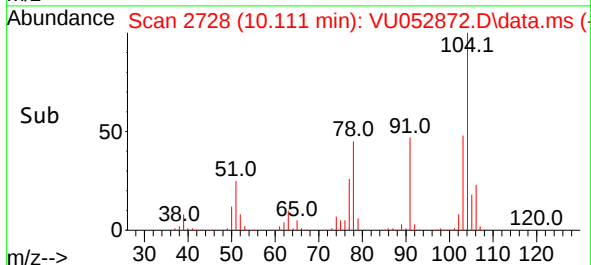
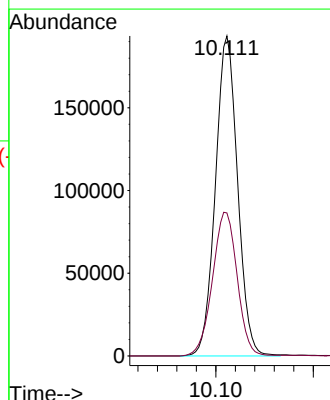
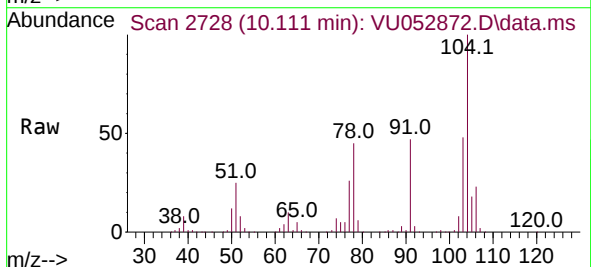
Acq: 31 Jan 2023 10:08

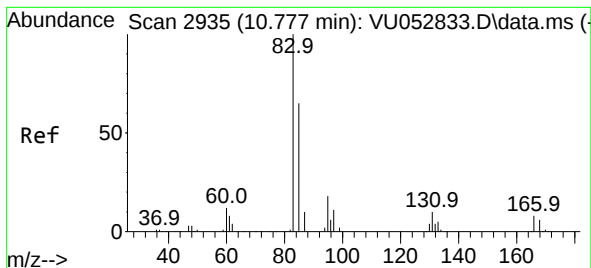
Tgt Ion:104 Resp: 305502

Ion Ratio Lower Upper

104 100

78 44.7 31.9 59.2





#57

1,1,2,2-Tetrachloroethane

Concen: 49.876 ug/L

RT: 10.780 min Scan# 2935

Delta R.T. 0.003 min

Lab File: VU052872.D

Acq: 31 Jan 2023 10:08

Instrument :

MSVOA_U

ClientSampleId :

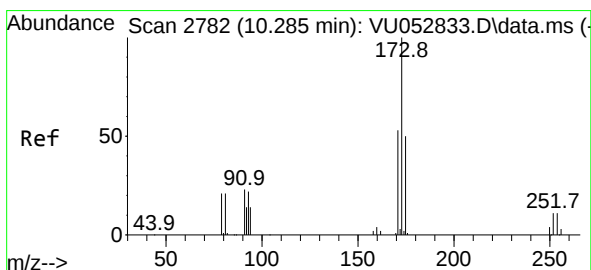
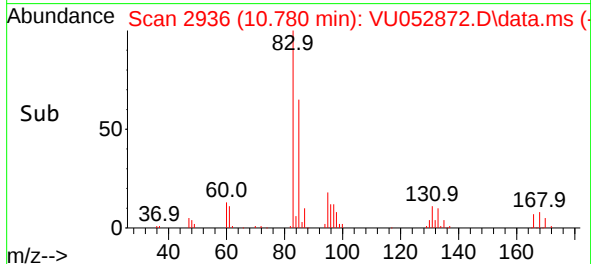
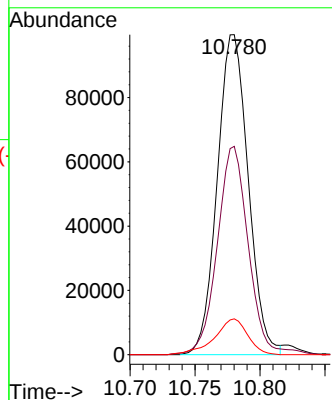
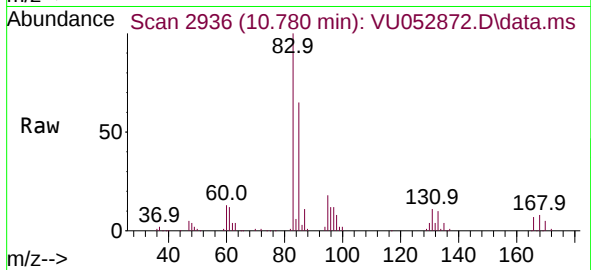
Tgt Ion: 83 Resp: 165181

Ion Ratio Lower Upper

83 100

85 65.1 45.0 83.6

131 11.2 8.6 12.8



#59

Bromoform

Concen: 47.717 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. 0.003 min

Lab File: VU052872.D

Acq: 31 Jan 2023 10:08

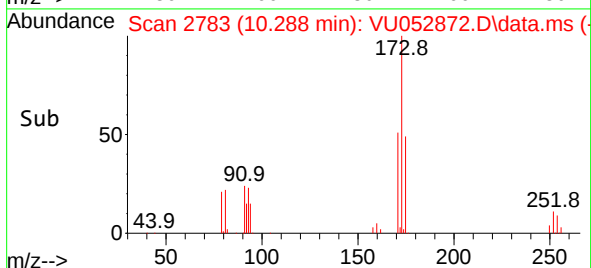
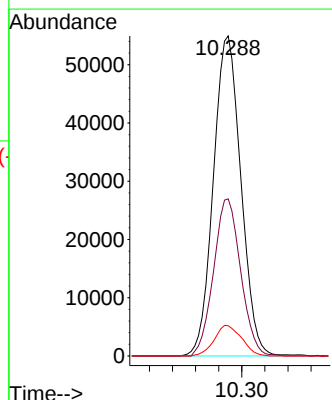
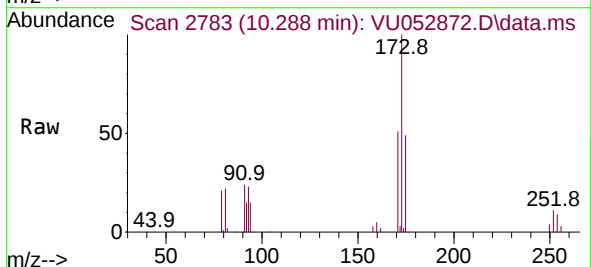
Tgt Ion:173 Resp: 90773

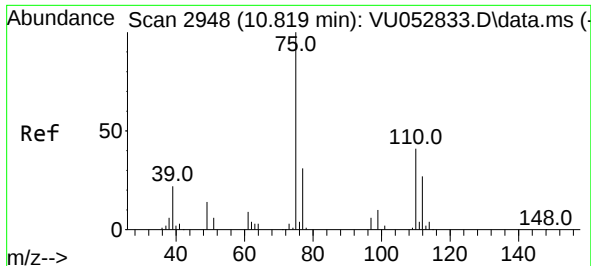
Ion Ratio Lower Upper

173 100

175 48.3 37.7 56.5

254 9.5 8.3 12.5

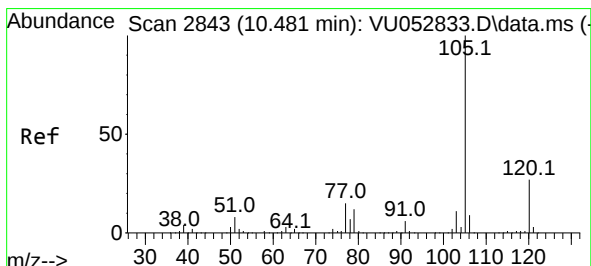
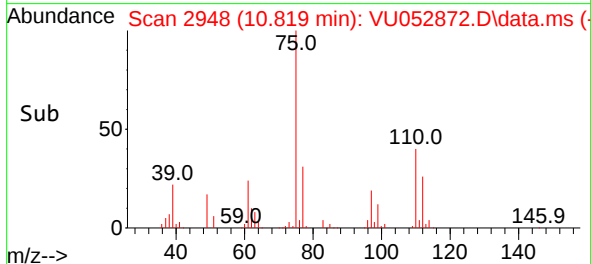
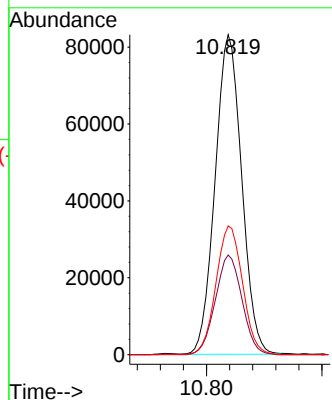
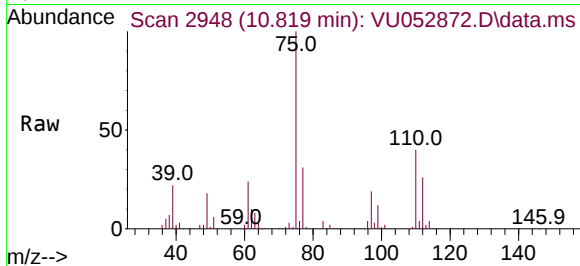




#60
1,2,3-Trichloropropane
Concen: 49.299 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU052872.D
Acq: 31 Jan 2023 10:08

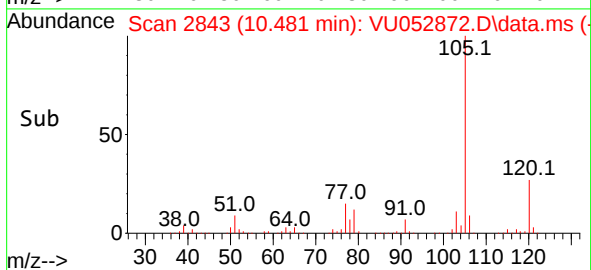
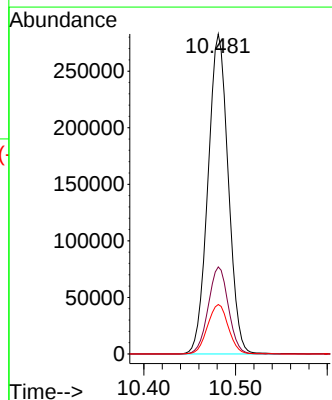
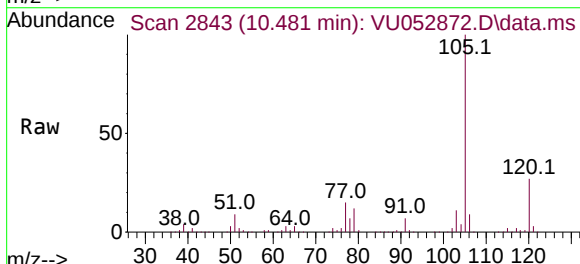
Instrument :
MSVOA_U
ClientSampleId :

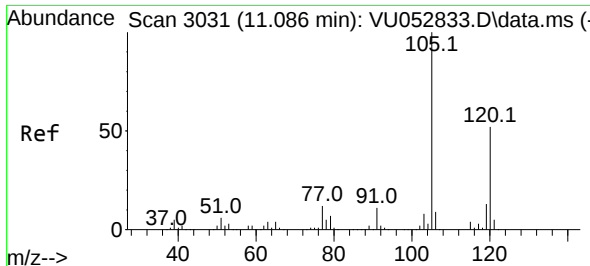
Tgt Ion: 75 Resp: 132751
Ion Ratio Lower Upper
75 100
77 31.2 25.8 38.8
110 40.2 32.4 48.6



#61
Isopropylbenzene
Concen: 48.421 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU052872.D
Acq: 31 Jan 2023 10:08

Tgt Ion: 105 Resp: 434131
Ion Ratio Lower Upper
105 100
120 27.0 21.4 32.2
77 15.9 12.2 18.2





#62

1,3,5-Trimethylbenzene

Concen: 48.888 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. -0.000 min

Lab File: VU052872.D

Acq: 31 Jan 2023 10:08

Instrument :

MSVOA_U

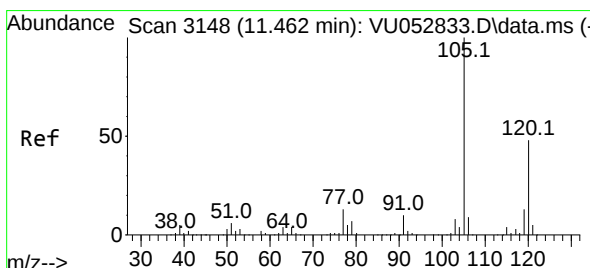
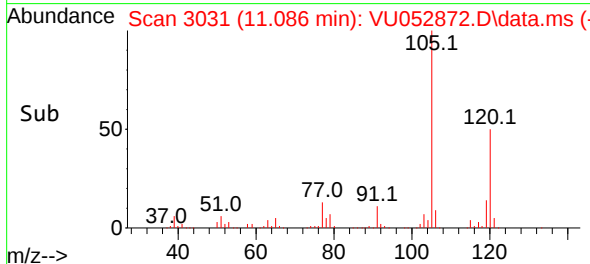
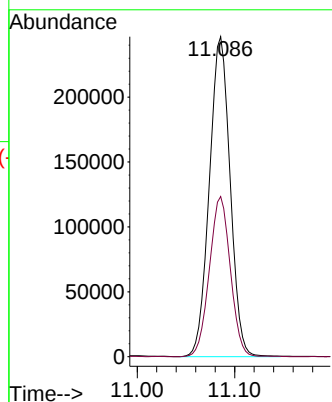
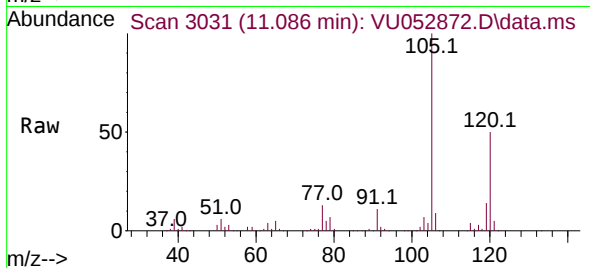
ClientSampleId :

Tgt Ion:105 Resp: 364961

Ion Ratio Lower Upper

105 100

120 50.5 40.4 60.6



#63

1,2,4-Trimethylbenzene

Concen: 49.859 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.003 min

Lab File: VU052872.D

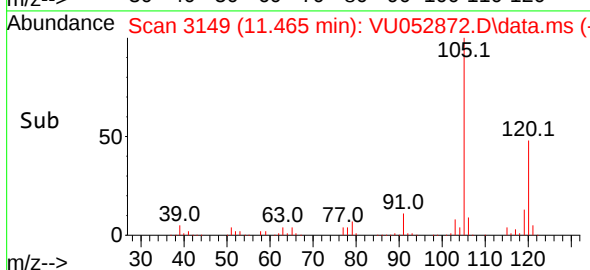
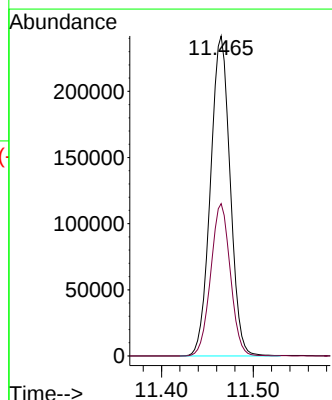
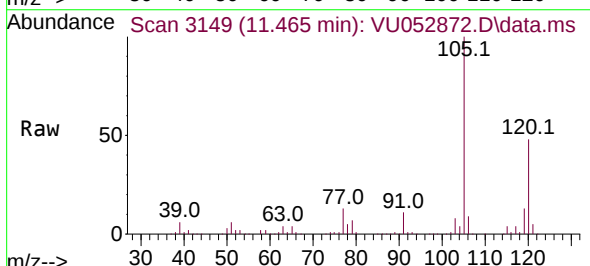
Acq: 31 Jan 2023 10:08

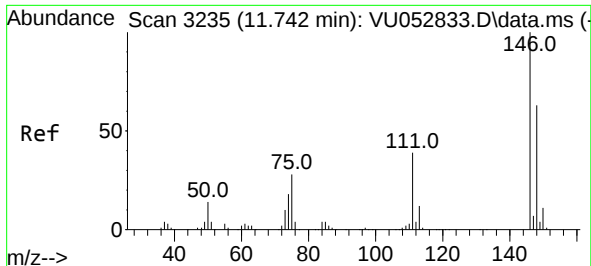
Tgt Ion:105 Resp: 360176

Ion Ratio Lower Upper

105 100

120 47.4 38.1 57.1

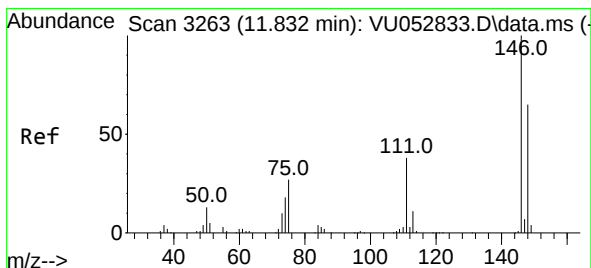
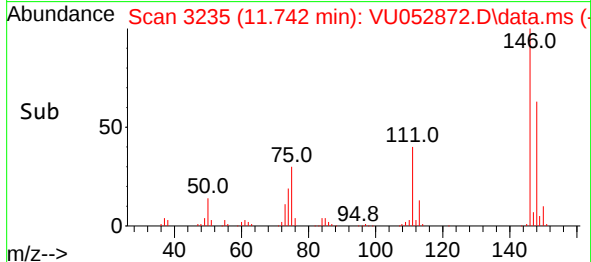
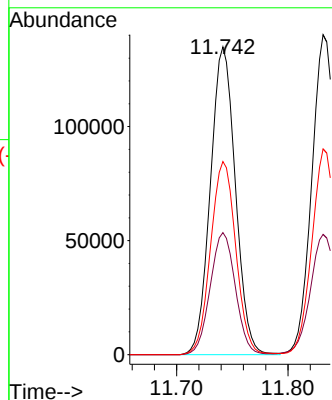
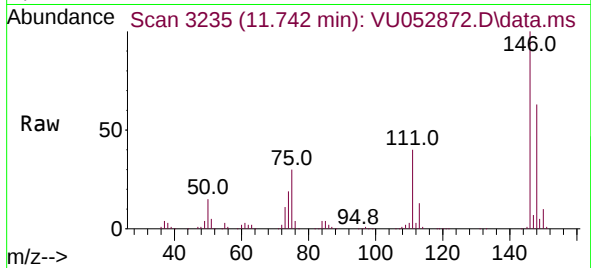




#64
 1,3-Dichlorobenzene
 Concen: 46.592 ug/L
 RT: 11.742 min Scan# 3235
 Delta R.T. -0.000 min
 Lab File: VU052872.D
 Acq: 31 Jan 2023 10:08

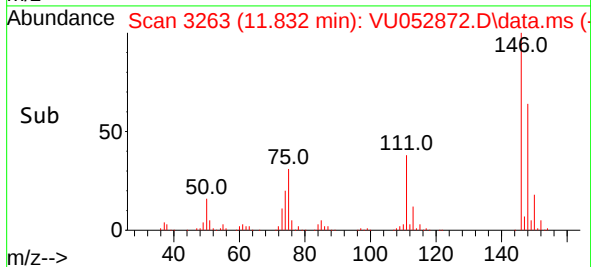
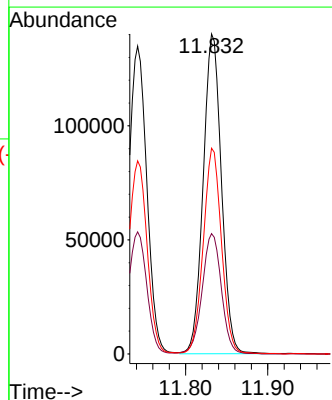
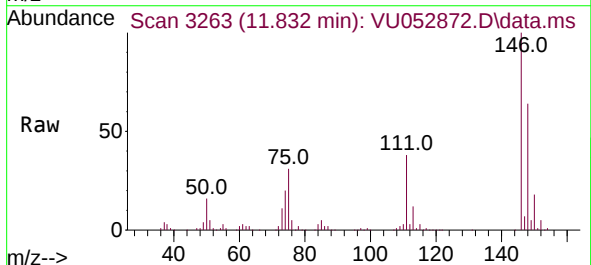
Instrument :
 MSVOA_U
 ClientSampleId :

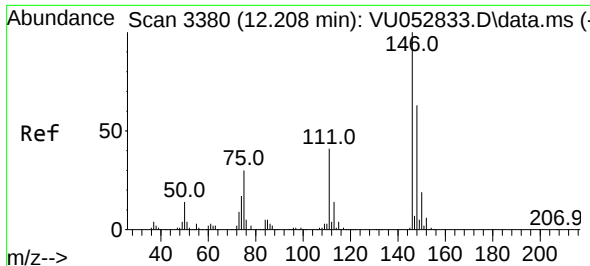
Tgt Ion:146 Resp: 210756
 Ion Ratio Lower Upper
 146 100
 111 39.7 27.8 51.6
 148 62.7 45.5 84.5



#65
 1,4-Dichlorobenzene
 Concen: 46.236 ug/L
 RT: 11.832 min Scan# 3263
 Delta R.T. -0.000 min
 Lab File: VU052872.D
 Acq: 31 Jan 2023 10:08

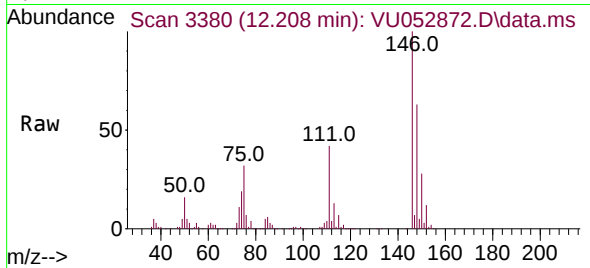
Tgt Ion:146 Resp: 216519
 Ion Ratio Lower Upper
 146 100
 111 37.6 26.7 49.7
 148 64.3 45.6 84.6



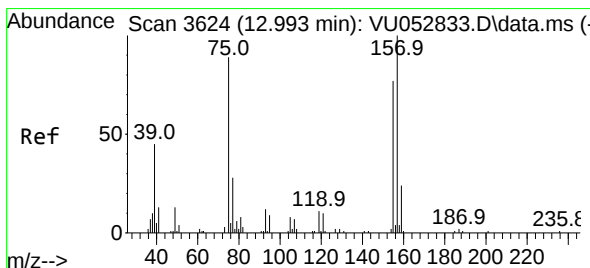
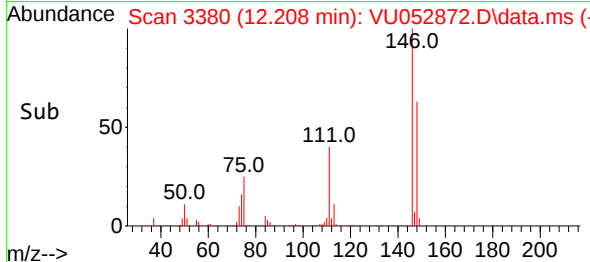
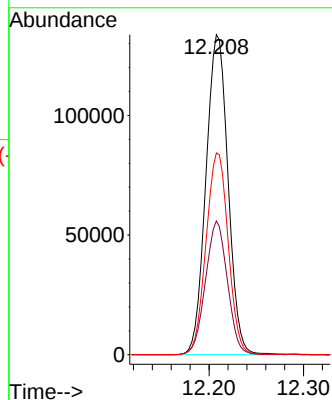


#67
1,2-Dichlorobenzene
Concen: 47.440 ug/L
RT: 12.208 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU052872.D
Acq: 31 Jan 2023 10:08

Instrument :
MSVOA_U
ClientSampleId :

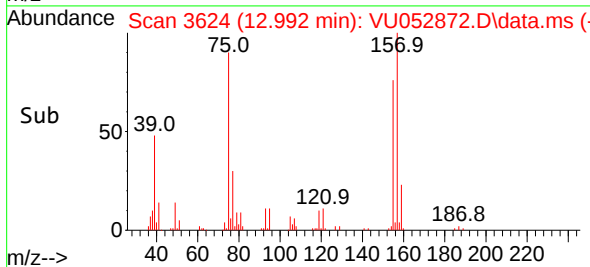
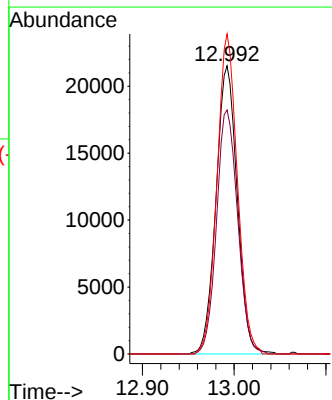
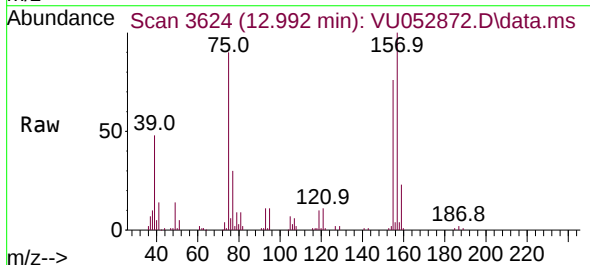


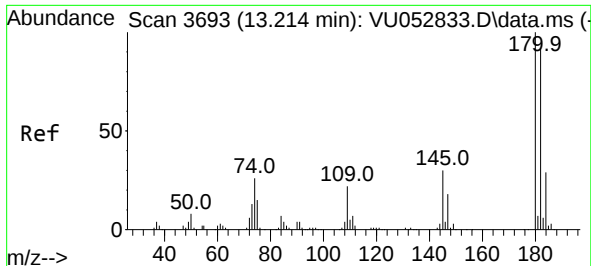
Tgt Ion:146 Resp: 217056
Ion Ratio Lower Upper
146 100
111 41.8 33.2 49.8
148 63.1 50.2 75.4



#68
1,2-Dibromo-3-chloropropane
Concen: 44.902 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. -0.000 min
Lab File: VU052872.D
Acq: 31 Jan 2023 10:08

Tgt Ion: 75 Resp: 34658
Ion Ratio Lower Upper
75 100
155 84.7 69.2 103.8
157 111.0 91.2 136.8





#69

1,3,5-Trichlorobenzene

Concen: 43.569 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. -0.000 min

Lab File: VU052872.D

Acq: 31 Jan 2023 10:08

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 145903

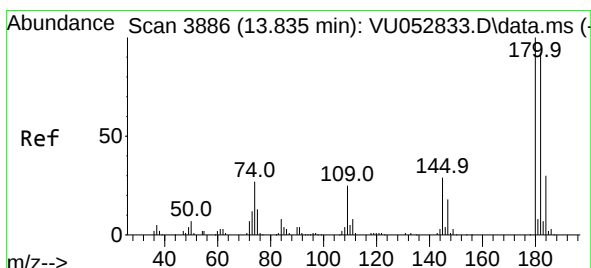
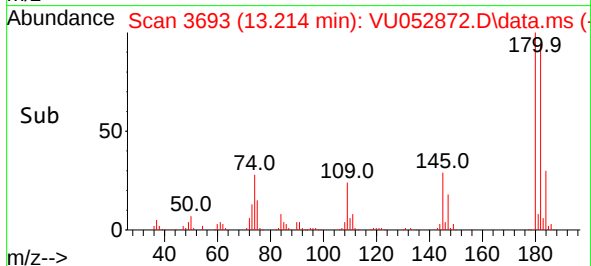
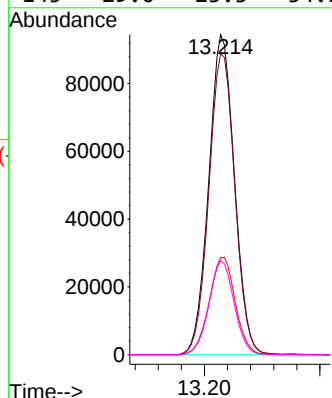
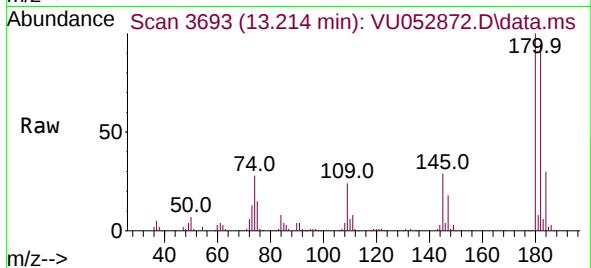
Ion Ratio Lower Upper

180 100

182 95.1 77.0 115.6

184 30.7 24.4 36.6

145 29.0 23.3 34.9



#70

1,2,4-trichlorobenzene

Concen: 40.641 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. -0.000 min

Lab File: VU052872.D

Acq: 31 Jan 2023 10:08

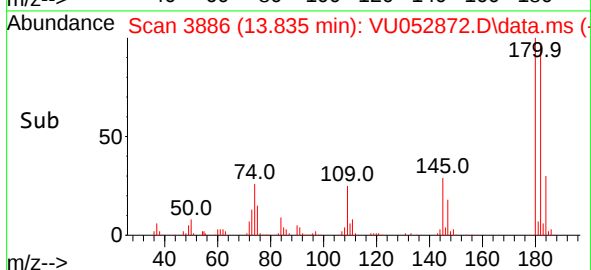
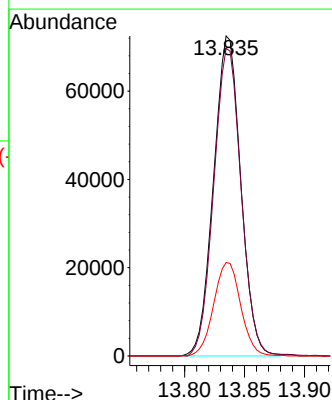
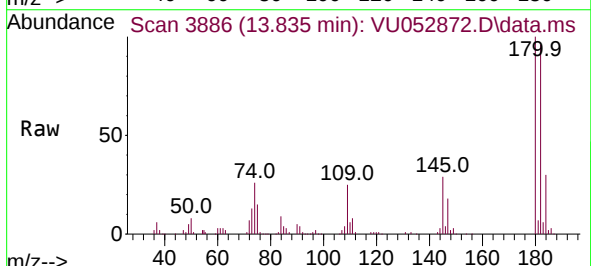
Tgt Ion:180 Resp: 114105

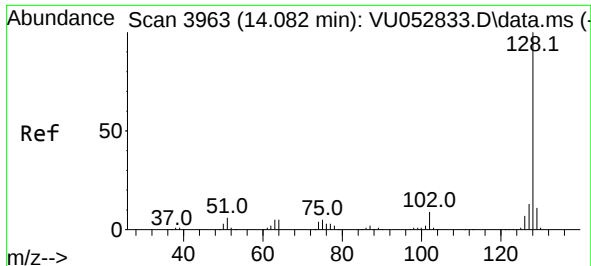
Ion Ratio Lower Upper

180 100

182 96.5 78.2 117.2

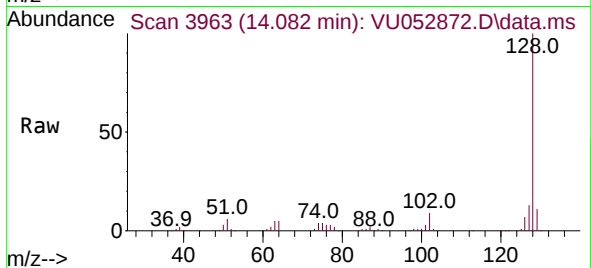
145 29.0 23.4 35.2



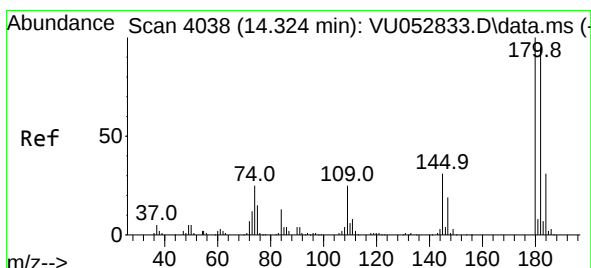
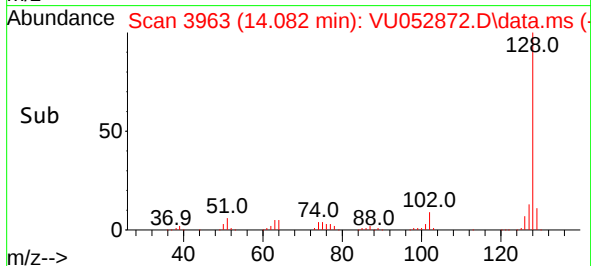
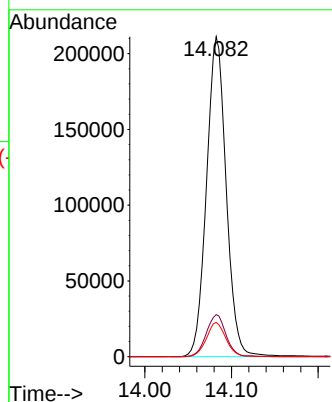


#71
Naphthalene
Concen: 41.274 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU052872.D
Acq: 31 Jan 2023 10:08

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 333009
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 10.7 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 43.355 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.003 min
Lab File: VU052872.D
Acq: 31 Jan 2023 10:08

Tgt Ion:180 Resp: 128639
Ion Ratio Lower Upper
180 100
182 94.6 77.5 116.3
145 31.6 24.2 36.4

