

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020223\
 Data File : VU052920.D
 Acq On : 02 Feb 2023 12:31
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 03 00:21:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 01 20:03:09 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	249436	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	240344	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	141918	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	81049	45.144	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.280%
7) Chloroethane-d5	1.913	69	72541	49.037	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.080%
11) 1,1-Dichloroethene-d2	2.569	63	166646	46.668	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.340%
21) 2-Butanone-d5	4.626	46	96549	87.054	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.050%
24) Chloroform-d	5.057	84	181471	47.362	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.720%
26) 1,2-Dichloroethane-d4	5.697	65	115847	47.352	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.700%
32) Benzene-d6	5.723	84	342759	46.679	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.360%
36) 1,2-Dichloropropane-d6	6.687	67	102334	47.518	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.040%
41) Toluene-d8	7.893	98	319920	47.847	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.700%
43) trans-1,3-Dichloroprop...	8.176	79	51402	47.621	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.240%
47) 2-Hexanone-d5	8.629	63	63981	84.553	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.550%
56) 1,1,2,2-Tetrachloroeth...	10.752	84	143649	45.146	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.300%
66) 1,2-Dichlorobenzene-d4	12.189	152	128700	46.704	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	111133	47.581	ug/L	99
3) Chloromethane	1.520	50	97409	50.566	ug/L	99
5) Vinyl chloride	1.604	62	109634	51.444	ug/L	99
6) Bromomethane	1.858	94	71593	53.268	ug/L	100
8) Chloroethane	1.935	64	69735	52.097	ug/L	97
9) Trichlorofluoromethane	2.138	101	183351	51.366	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	97674	48.546	ug/L	99
12) 1,1-Dichloroethene	2.578	96	89129	48.302	ug/L	97
13) Acetone	2.636	43	125744	92.832	ug/L	97
14) Carbon disulfide	2.794	76	254833	45.726	ug/L	100
15) Methyl Acetate	2.948	43	81529	44.672	ug/L	100
16) Methylene chloride	3.044	84	102246	46.581	ug/L	94
17) trans-1,2-Dichloroethene	3.350	96	93663	46.970	ug/L	99
18) Methyl tert-butyl Ether	3.360	73	285036	48.612	ug/L	99
19) 1,1-Dichloroethane	3.864	63	168687	48.235	ug/L	97
20) cis-1,2-Dichloroethene	4.662	96	100885	47.385	ug/L	100
22) 2-Butanone	4.704	43	128401	88.685	ug/L	99
23) Bromochloromethane	4.970	128	55686	46.577	ug/L	99
25) Chloroform	5.083	83	188406	47.989	ug/L	99

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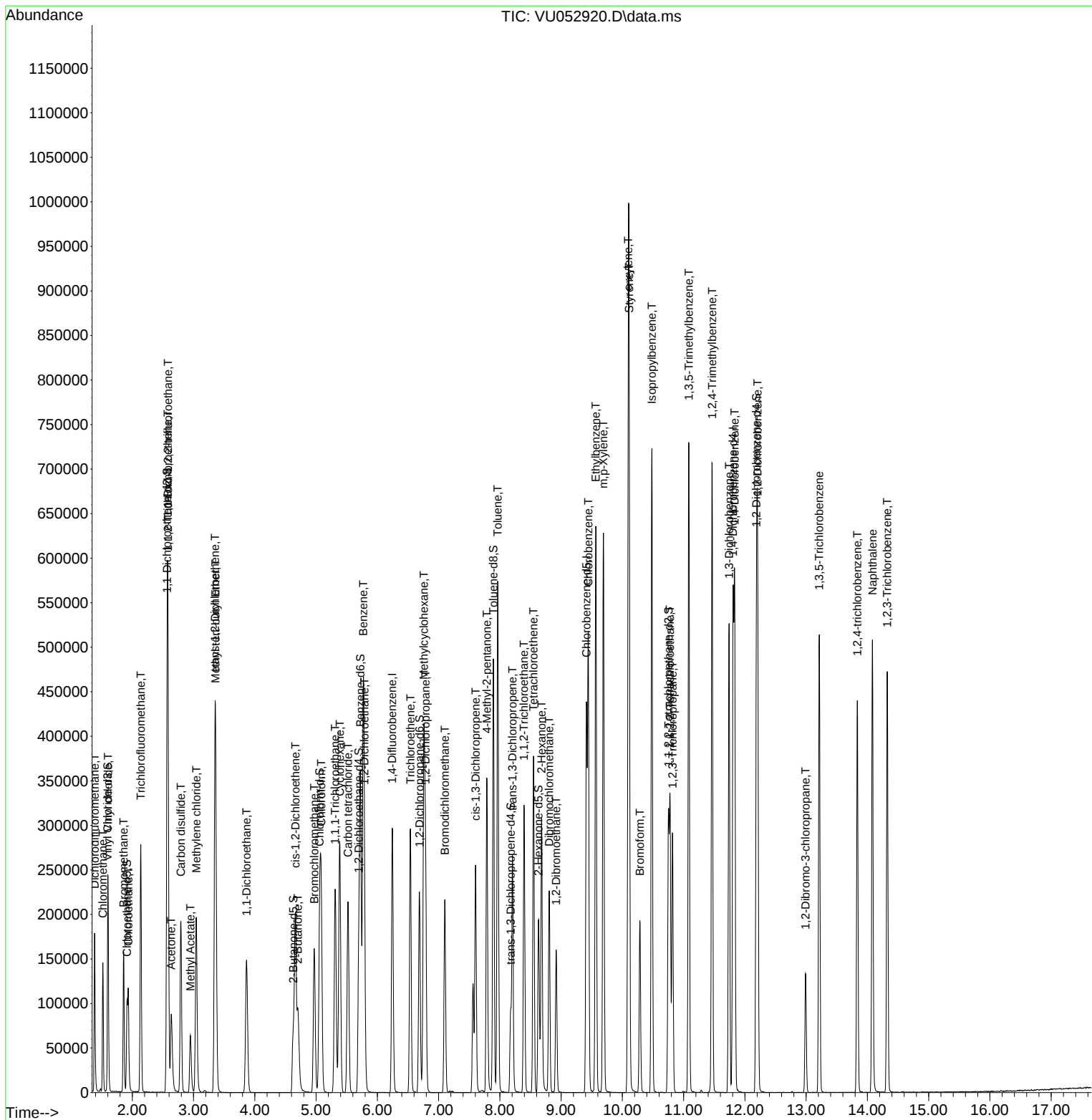
Instrument :
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 ClientSampleId :

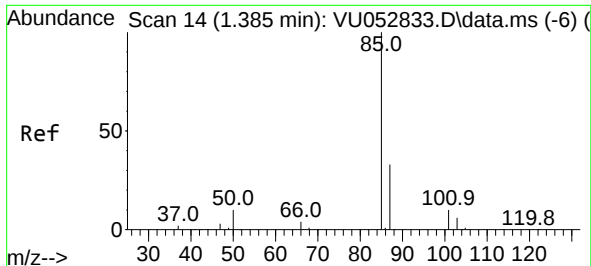
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	149720	48.172	ug/L	99
29) Cyclohexane	5.385	56	136824	48.041	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	172822	48.885	ug/L	99
31) Carbon tetrachloride	5.520	117	151923	49.573	ug/L	99
33) Benzene	5.771	78	394095	48.170	ug/L	100
34) Trichloroethene	6.539	95	99053	47.634	ug/L	97
35) Methylcyclohexane	6.761	83	158461	48.146	ug/L	98
37) 1,2-Dichloropropane	6.787	63	95584	47.521	ug/L	99
38) Bromodichloromethane	7.102	83	141507	47.941	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	150866	47.882	ug/L	96
40) 4-Methyl-2-pentanone	7.787	43	209793	88.531	ug/L	99
42) Toluene	7.964	91	413365	49.299	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	148125	47.837	ug/L	99
45) 1,1,2-Trichloroethane	8.395	97	99017	48.139	ug/L	98
46) Tetrachloroethene	8.549	164	85856	47.948	ug/L	99
48) 2-Hexanone	8.681	43	177573	88.577	ug/L	98
49) Dibromochloromethane	8.806	129	118777	48.288	ug/L	99
50) 1,2-Dibromoethane	8.919	107	105851	47.815	ug/L	98
51) Chlorobenzene	9.443	112	273954	47.489	ug/L	98
52) Ethylbenzene	9.565	91	446043	49.778	ug/L	100
53) m,p-Xylene	9.690	106	184280	50.800	ug/L	100
54) o-xylene	10.096	106	175832	50.774	ug/L	96
55) Styrene	10.112	104	305564	51.419	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	152231	45.732	ug/L	99
59) Bromoform	10.285	173	86657	44.559	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	119766	43.506	ug/L	99
61) Isopropylbenzene	10.481	105	460520	50.243	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	386967	50.704	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	383872	51.980	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	219392	47.442	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	226260	47.262	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	228497	48.851	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.989	75	34508	43.732	ug/L	95
69) 1,3,5-Trichlorobenzene	13.214	180	163820	47.852	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	139775	48.698	ug/L	99
71) Naphthalene	14.083	128	410748	49.798	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	148698	49.021	ug/L	99

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

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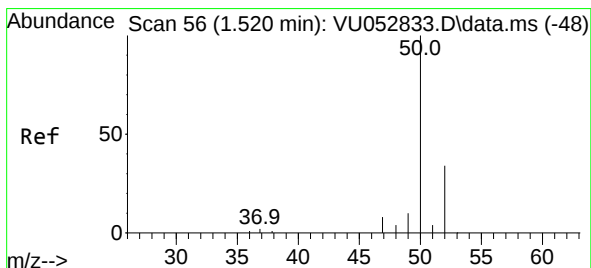
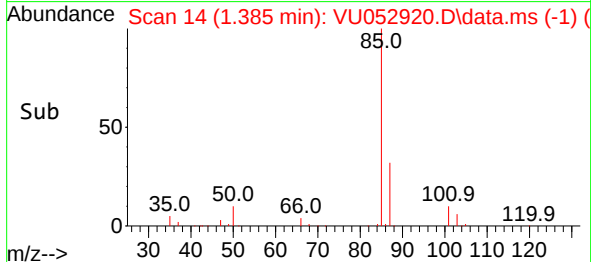
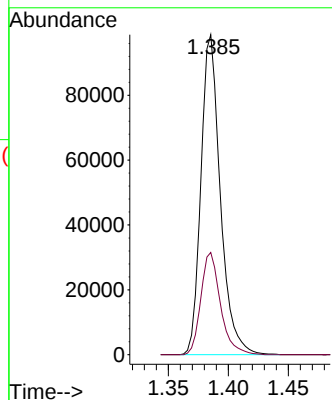
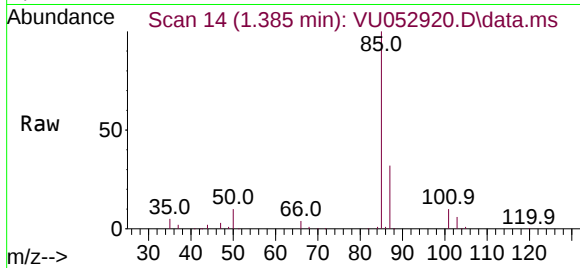




#2
 Dichlorodifluoromethane
 Concen: 47.581 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: VU052920.D
 Acq: 02 Feb 2023 12:31

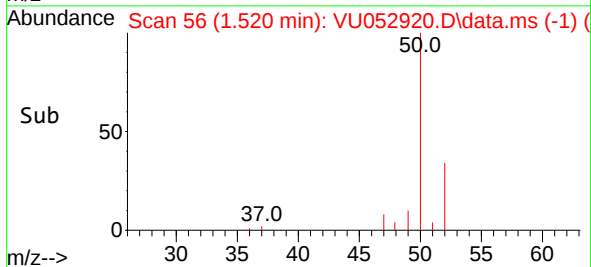
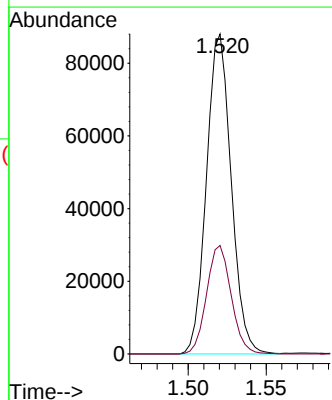
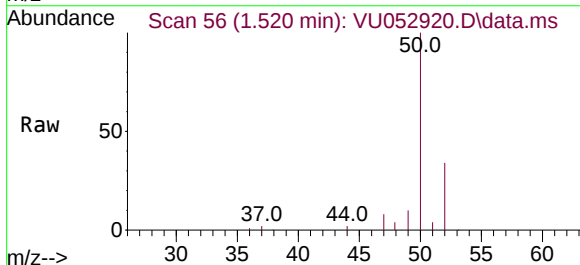
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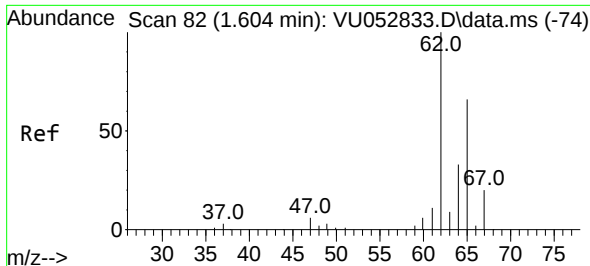
Tgt Ion: 85 Resp: 111133
 Ion Ratio Lower Upper
 85 100
 87 32.2 26.4 39.6



#3
 Chloromethane
 Concen: 50.566 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. 0.000 min
 Lab File: VU052920.D
 Acq: 02 Feb 2023 12:31

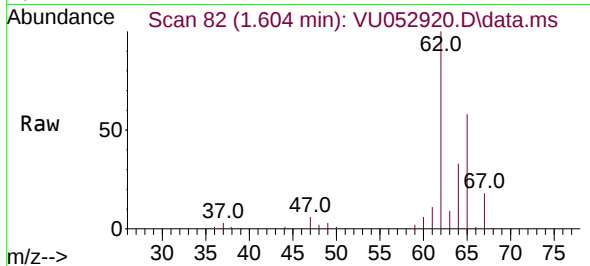
Tgt Ion: 50 Resp: 97409
 Ion Ratio Lower Upper
 50 100
 52 33.9 23.4 43.4



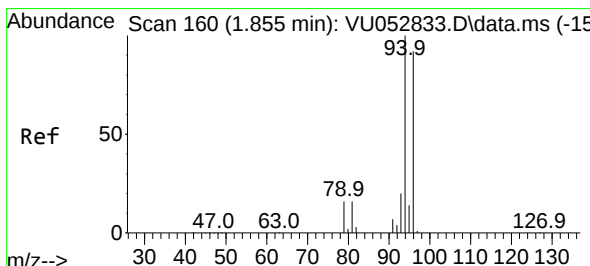
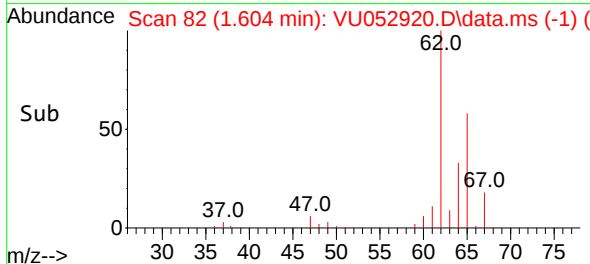
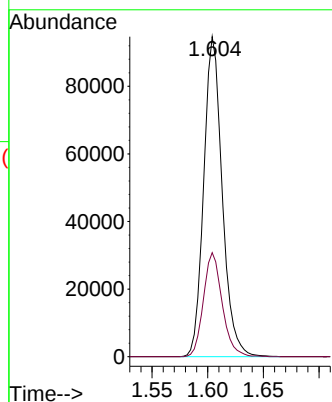


#5
 Vinyl chloride
 Concen: 51.444 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU052920.D
 Acq: 02 Feb 2023 12:31

Instrument :
 MSVOA_U
 ClientSampleId :

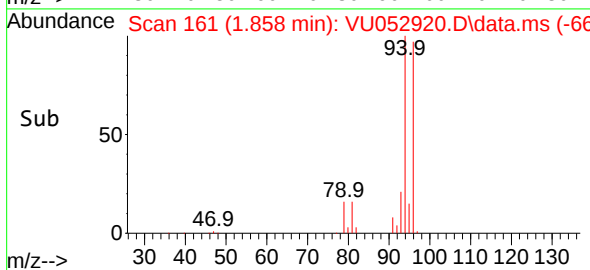
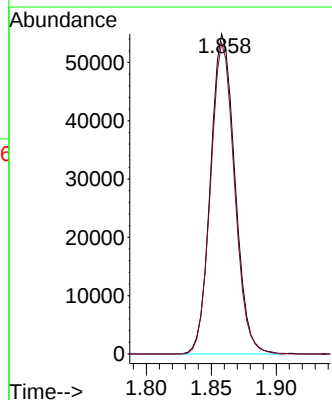
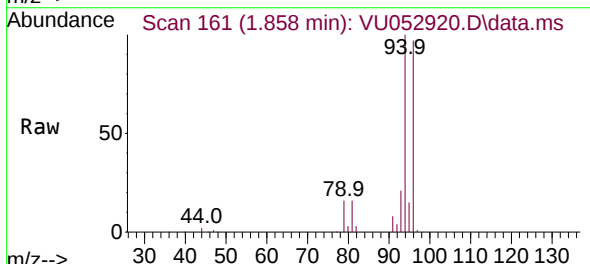


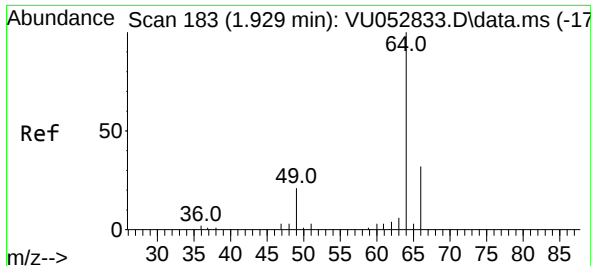
Tgt Ion: 62 Resp: 109634
 Ion Ratio Lower Upper
 62 100
 64 32.5 22.4 41.6



#6
 Bromomethane
 Concen: 53.268 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.007 min
 Lab File: VU052920.D
 Acq: 02 Feb 2023 12:31

Tgt Ion: 94 Resp: 71593
 Ion Ratio Lower Upper
 94 100
 96 97.2 67.8 125.8

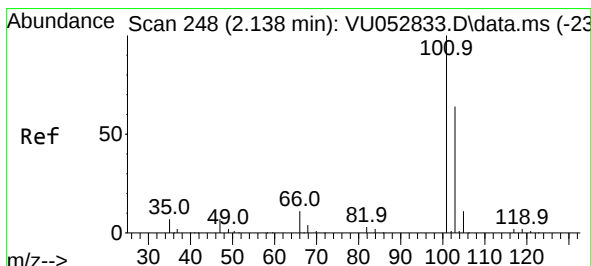
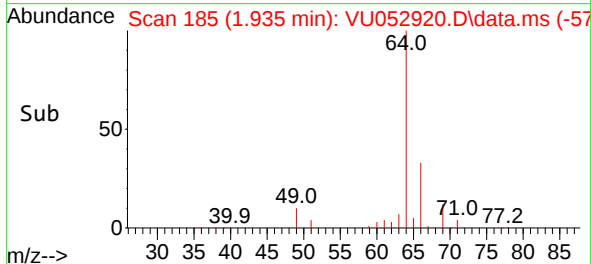
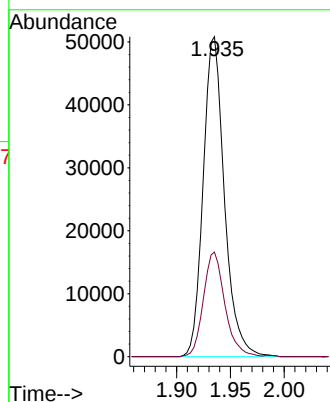
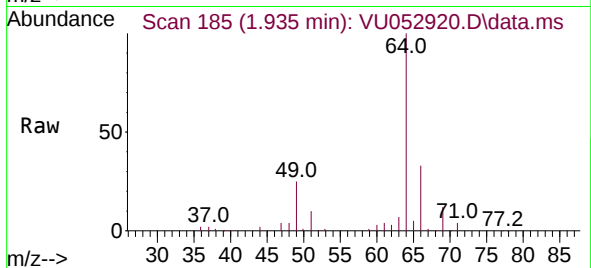




#8
Chloroethane
Concen: 52.097 ug/L
RT: 1.935 min Scan# 185
Delta R.T. 0.013 min
Lab File: VU052920.D
Acq: 02 Feb 2023 12:31

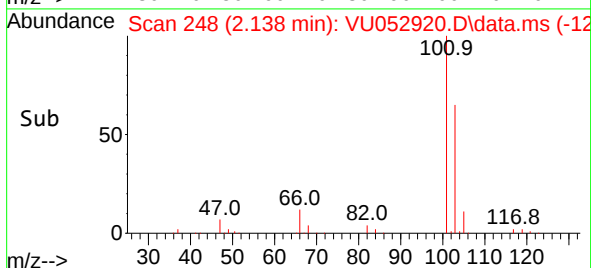
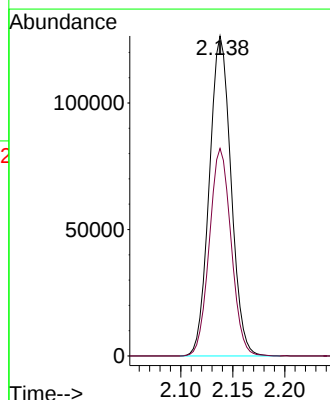
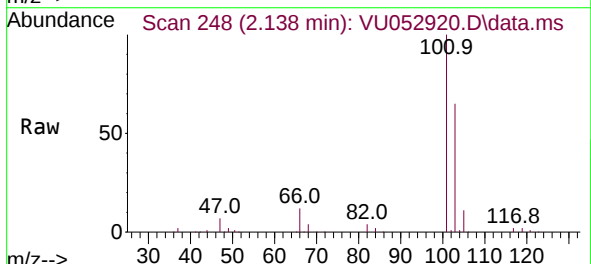
Instrument :
MSVOA_U
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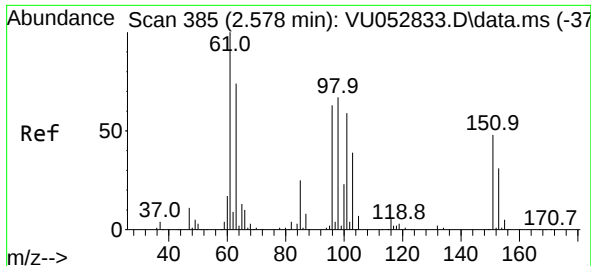
Tgt Ion: 64 Resp: 69735
Ion Ratio Lower Upper
64 100
66 32.7 24.1 44.7



#9
Trichlorofluoromethane
Concen: 51.366 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.010 min
Lab File: VU052920.D
Acq: 02 Feb 2023 12:31

Tgt Ion:101 Resp: 183351
Ion Ratio Lower Upper
101 100
103 65.0 52.0 78.0

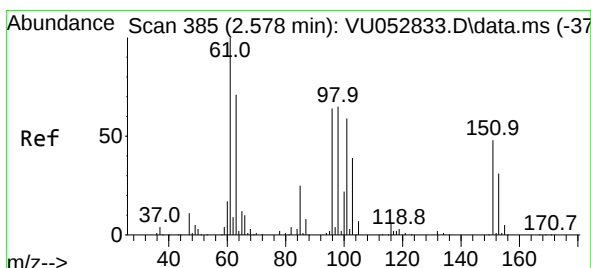
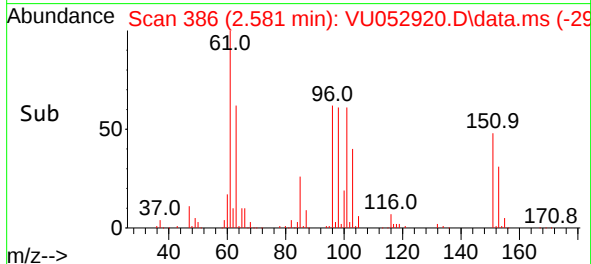
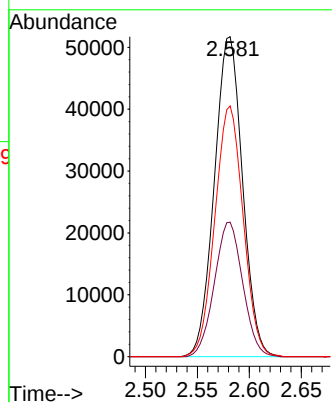
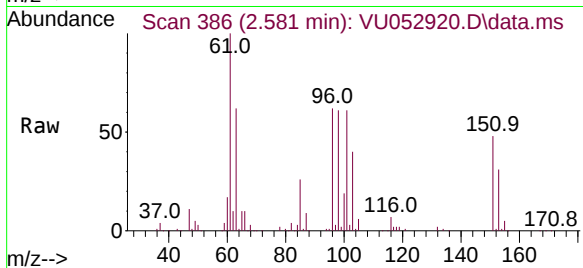




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.546 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.007 min
 Lab File: VU052920.D
 Acq: 02 Feb 2023 12:31

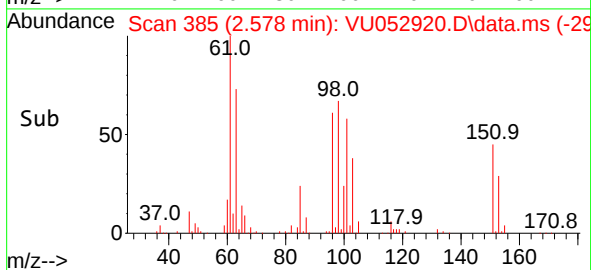
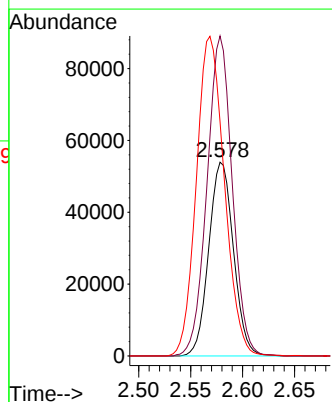
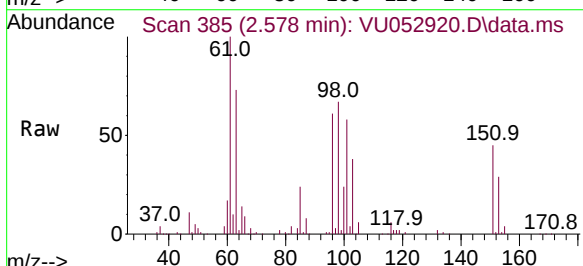
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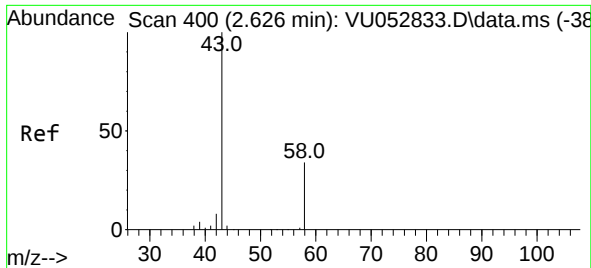
Tgt Ion:101 Resp: 97674
 Ion Ratio Lower Upper
 101 100
 85 42.2 32.9 49.3
 151 78.6 62.6 94.0



#12
 1,1-Dichloroethene
 Concen: 48.302 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.003 min
 Lab File: VU052920.D
 Acq: 02 Feb 2023 12:31

Tgt Ion: 96 Resp: 89129
 Ion Ratio Lower Upper
 96 100
 61 165.1 114.3 212.3
 63 120.8 80.6 149.6





#13

Acetone

Concen: 92.832 ug/L

RT: 2.636 min Scan# 400

Delta R.T. 0.007 min

Lab File: VU052920.D

Acq: 02 Feb 2023 12:31

Instrument :

MSVOA_U

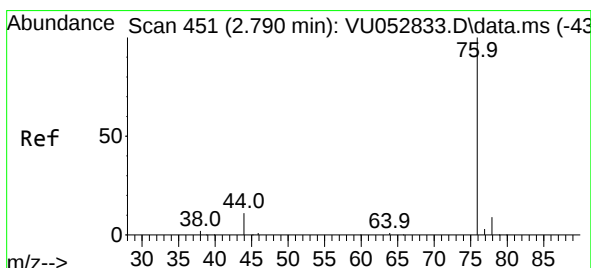
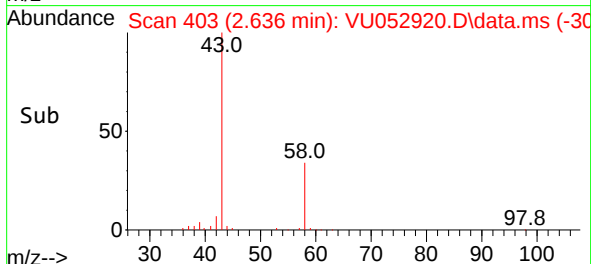
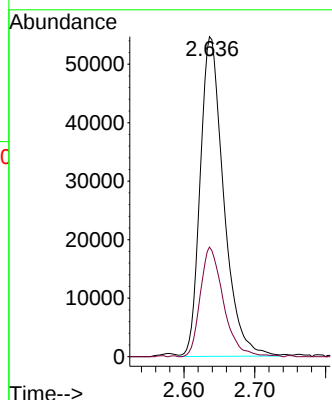
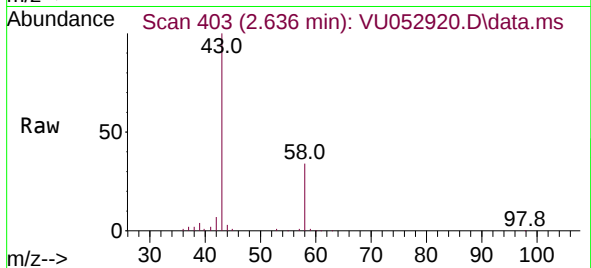
ClientSampleId :

Tgt Ion: 43 Resp: 125744

Ion Ratio Lower Upper

43 100

58 33.5 0.0 70.2



#14

Carbon disulfide

Concen: 45.726 ug/L

RT: 2.794 min Scan# 452

Delta R.T. 0.007 min

Lab File: VU052920.D

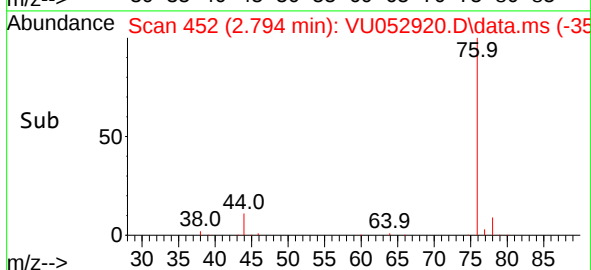
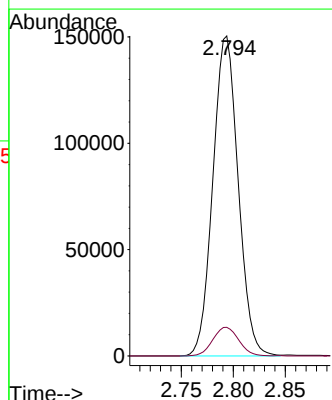
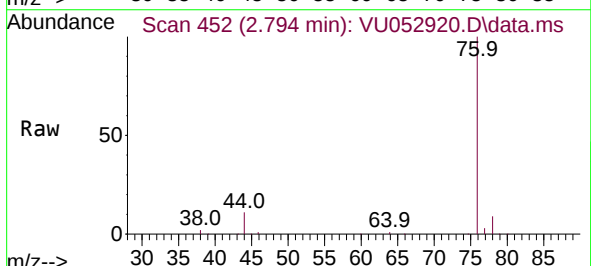
Acq: 02 Feb 2023 12:31

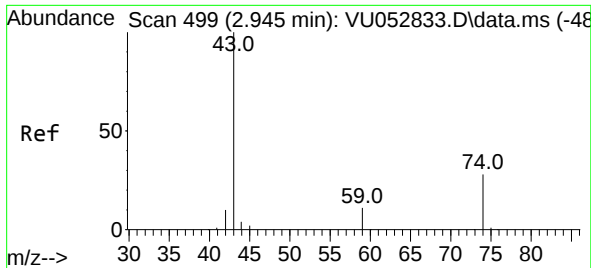
Tgt Ion: 76 Resp: 254833

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

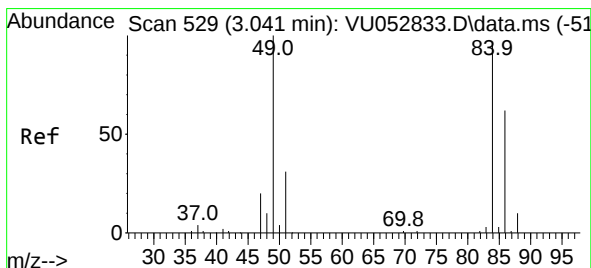
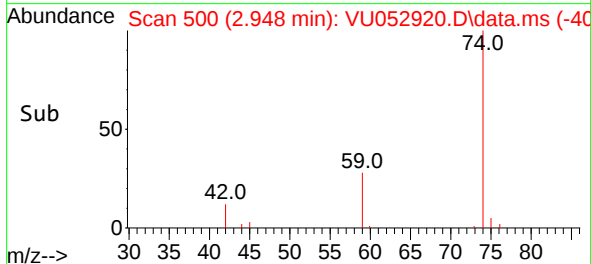
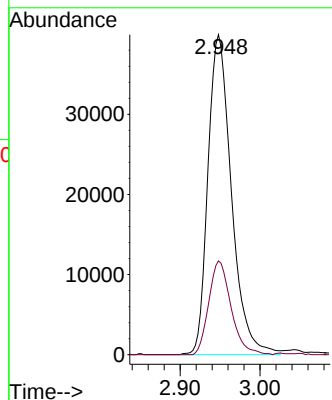
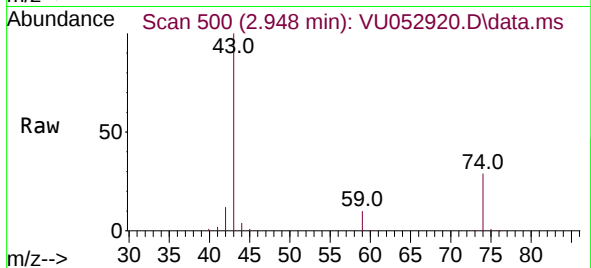




#15
Methyl Acetate
Concen: 44.672 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.003 min
Lab File: VU052920.D
Acq: 02 Feb 2023 12:31

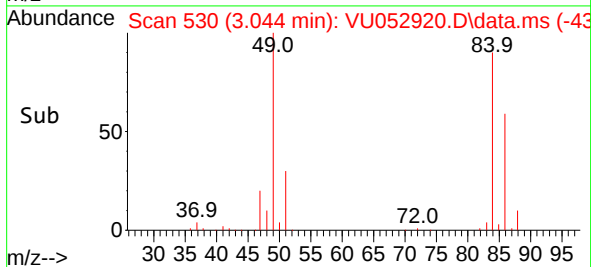
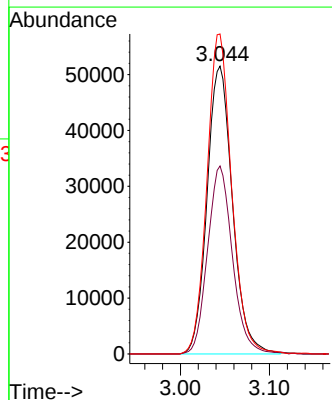
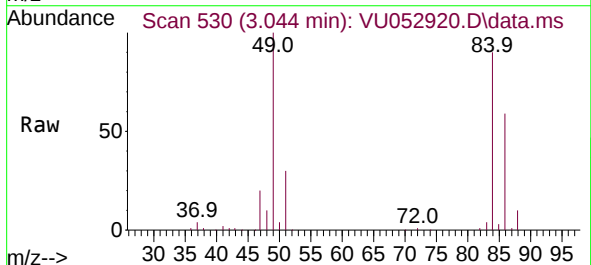
Instrument :
MSVOA_U
ClientSampleId :

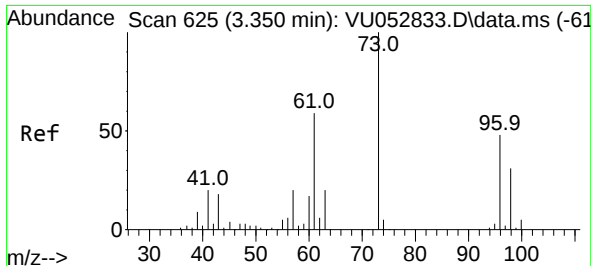
Tgt Ion: 43 Resp: 81529
Ion Ratio Lower Upper
43 100
74 27.7 22.0 33.0



#16
Methylene chloride
Concen: 46.581 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU052920.D
Acq: 02 Feb 2023 12:31

Tgt Ion: 84 Resp: 102246
Ion Ratio Lower Upper
84 100
86 65.3 43.4 80.6
49 111.2 72.4 134.5





#17

trans-1,2-Dichloroethene

Concen: 46.970 ug/L

RT: 3.350 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU052920.D

Acq: 02 Feb 2023 12:31

Instrument :

MSVOA_U

ClientSampleId :

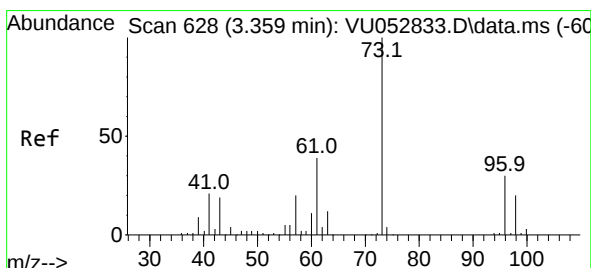
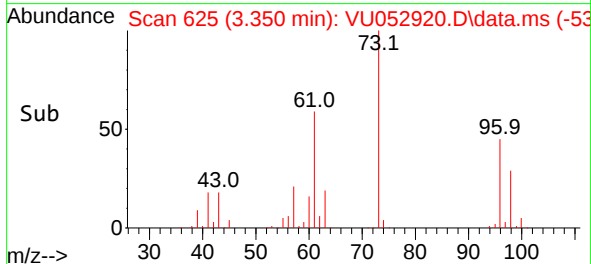
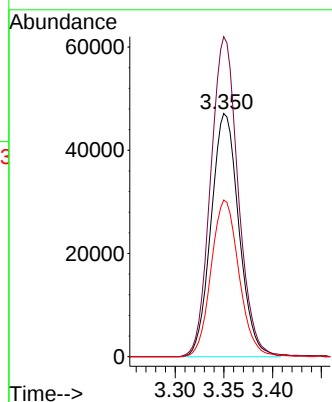
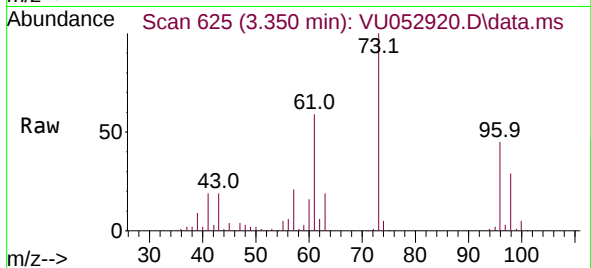
Tgt Ion: 96 Resp: 93663

Ion Ratio Lower Upper

96 100

61 131.5 92.7 172.3

98 64.4 44.7 82.9



#18

Methyl tert-butyl Ether

Concen: 48.612 ug/L

RT: 3.360 min Scan# 628

Delta R.T. 0.000 min

Lab File: VU052920.D

Acq: 02 Feb 2023 12:31

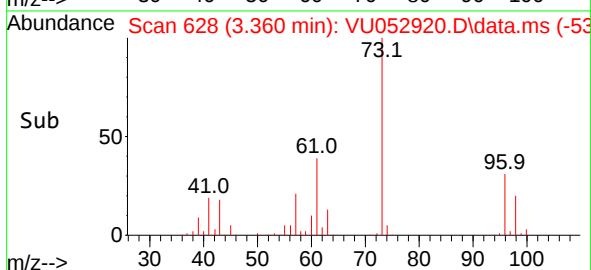
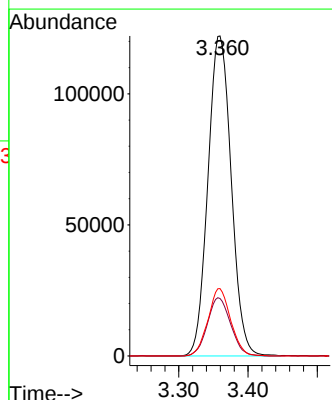
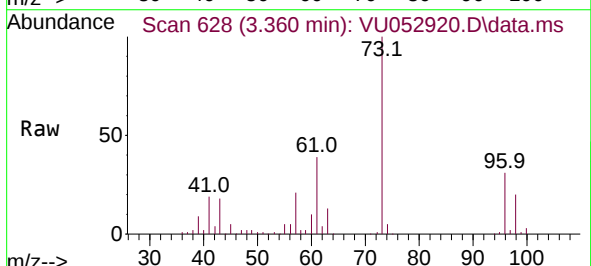
Tgt Ion: 73 Resp: 285036

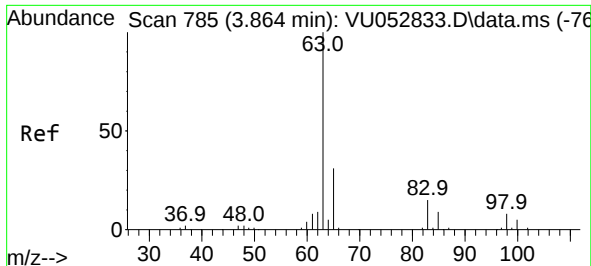
Ion Ratio Lower Upper

73 100

43 18.2 14.2 21.2

57 20.4 16.3 24.5





#19

1,1-Dichloroethane

Concen: 48.235 ug/L

RT: 3.864 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU052920.D

Acq: 02 Feb 2023 12:31

Instrument :

MSVOA_U

ClientSampleId :

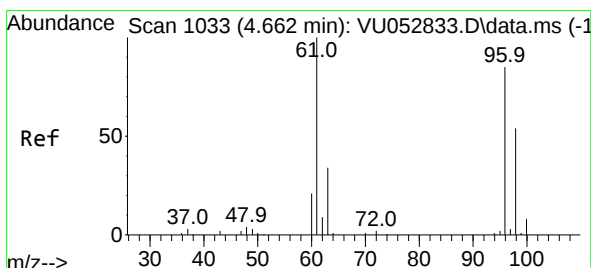
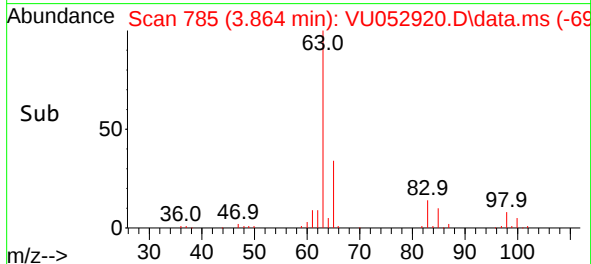
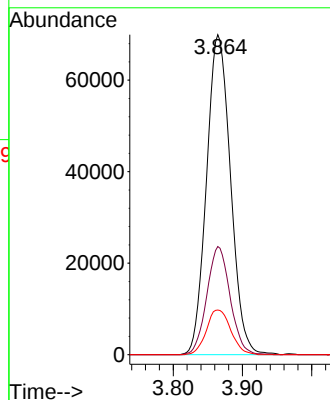
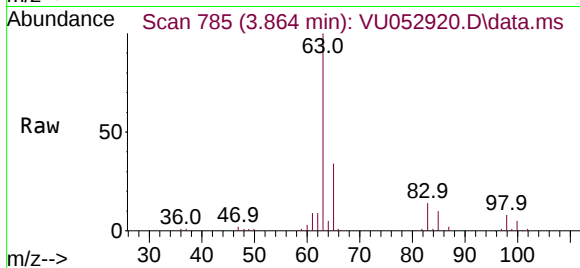
Tgt Ion: 63 Resp: 168687

Ion Ratio Lower Upper

63 100

65 33.8 22.4 41.6

83 13.9 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 47.385 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VU052920.D

Acq: 02 Feb 2023 12:31

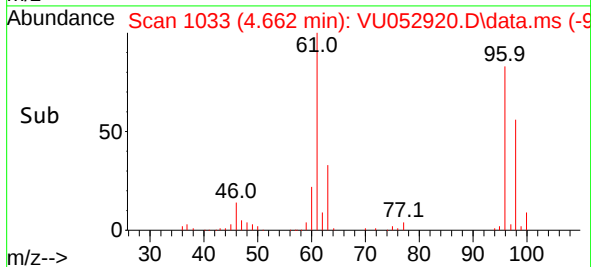
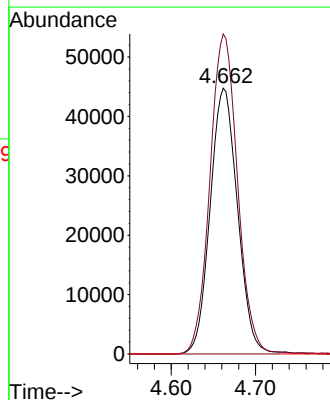
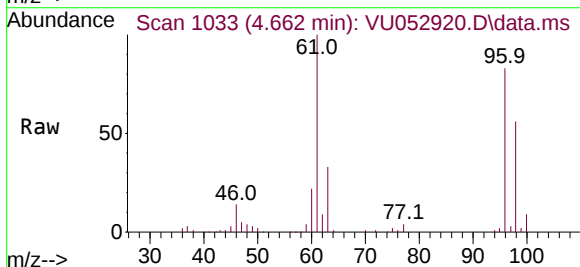
Tgt Ion: 96 Resp: 100885

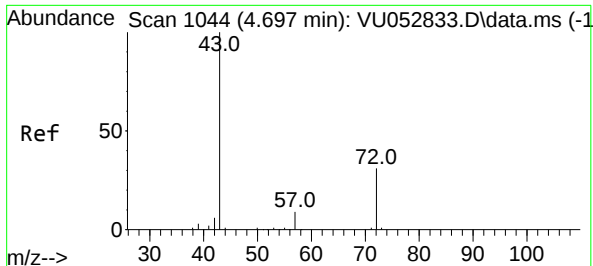
Ion Ratio Lower Upper

96 100

61 120.4 84.1 156.1

68 0.0 0.0 0.0

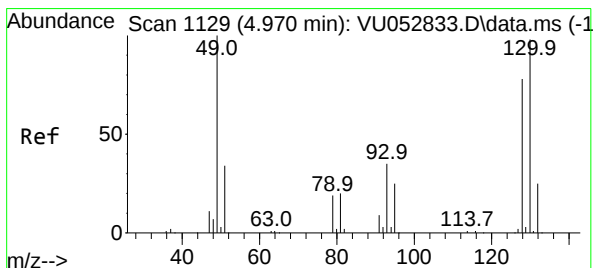
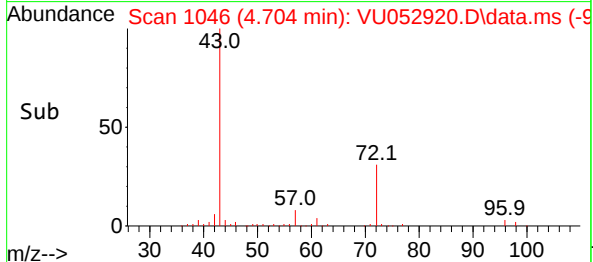
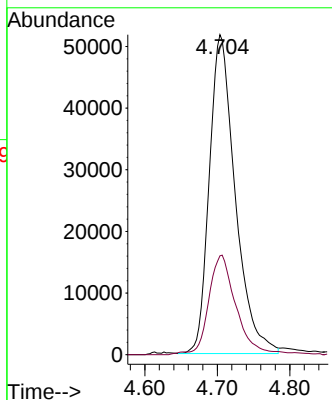
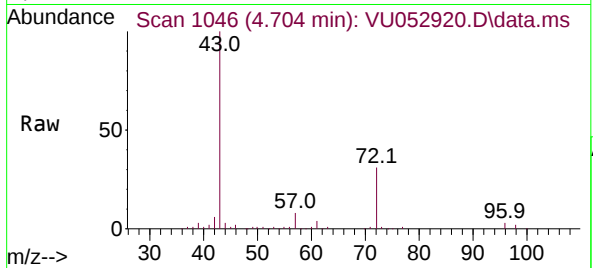




#22
2-Butanone
Concen: 88.685 ug/L
RT: 4.704 min Scan# 1046
Delta R.T. 0.003 min
Lab File: VU052920.D
Acq: 02 Feb 2023 12:31

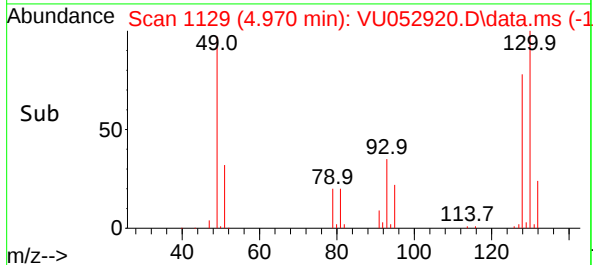
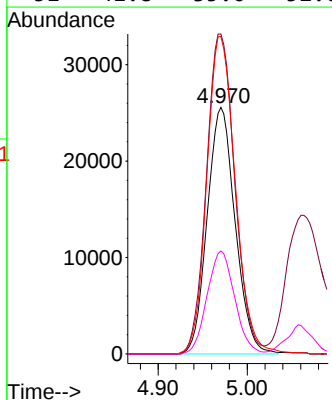
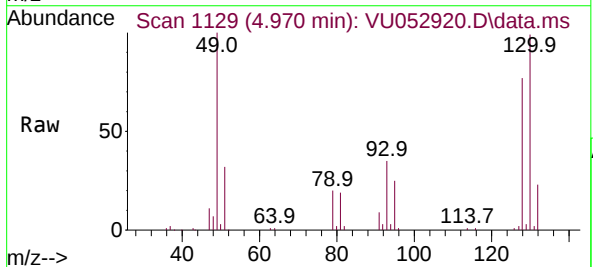
Instrument :
MSVOA_U
ClientSampleId :

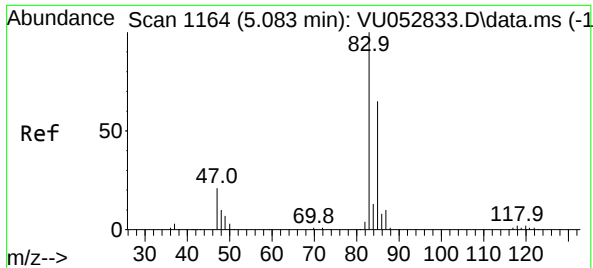
Tgt Ion: 43 Resp: 128401
Ion Ratio Lower Upper
43 100
72 30.7 15.5 46.5



#23
Bromochloromethane
Concen: 46.577 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. 0.003 min
Lab File: VU052920.D
Acq: 02 Feb 2023 12:31

Tgt Ion:128 Resp: 55686
Ion Ratio Lower Upper
128 100
49 129.8 90.1 167.3
130 128.8 90.1 167.3
51 41.8 35.0 52.6





#25

Chloroform

Concen: 47.989 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU052920.D

Acq: 02 Feb 2023 12:31

Instrument :

MSVOA_U

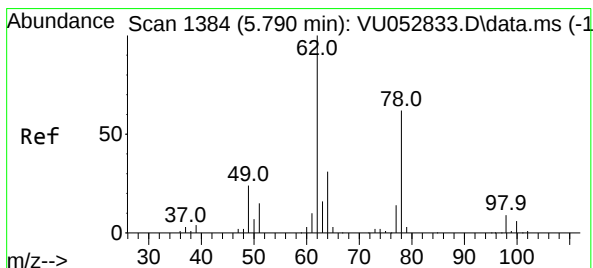
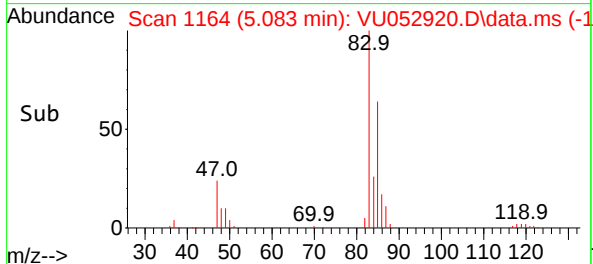
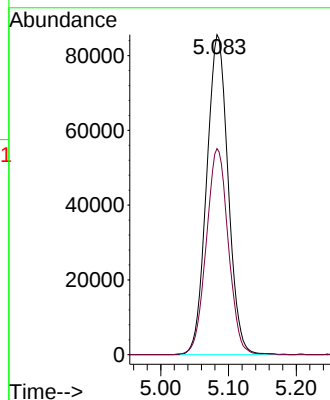
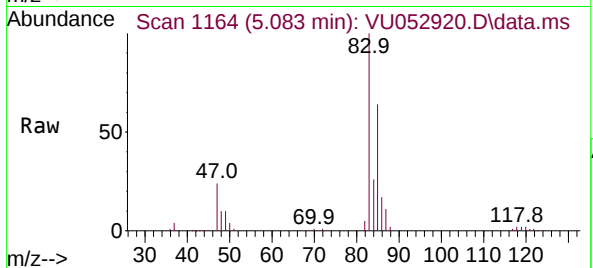
ClientSampleId :

Tgt Ion: 83 Resp: 188406

Ion Ratio Lower Upper

83 100

85 64.4 45.8 85.0



#27

1,2-Dichloroethane

Concen: 48.172 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.003 min

Lab File: VU052920.D

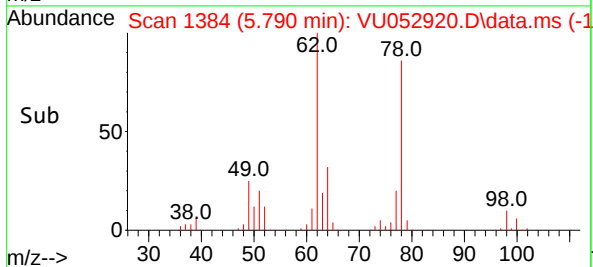
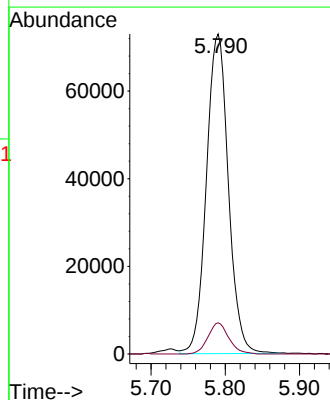
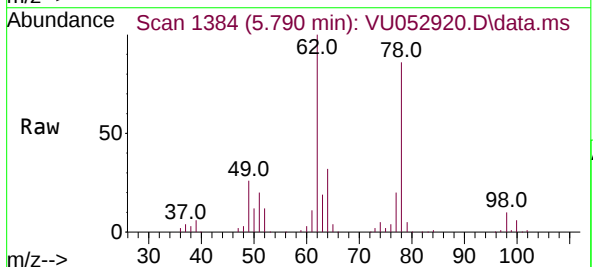
Acq: 02 Feb 2023 12:31

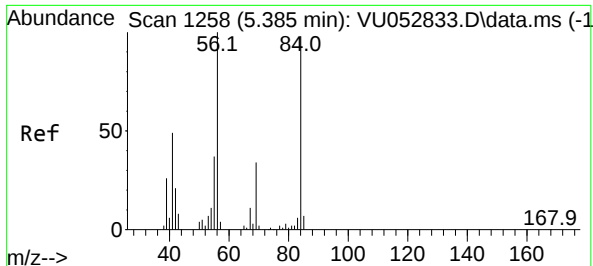
Tgt Ion: 62 Resp: 149720

Ion Ratio Lower Upper

62 100

98 9.7 7.6 11.4





#29

Cyclohexane

Concen: 48.041 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.003 min

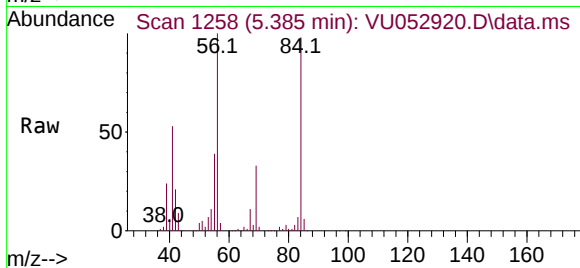
Lab File: VU052920.D

Acq: 02 Feb 2023 12:31

Instrument :

MSVOA_U

ClientSampleId :



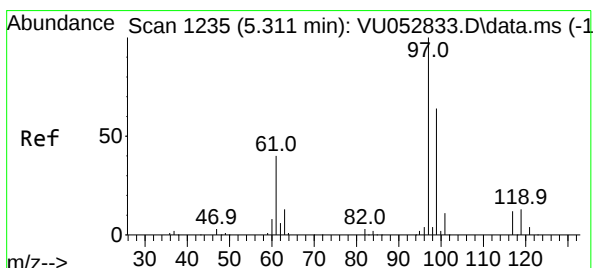
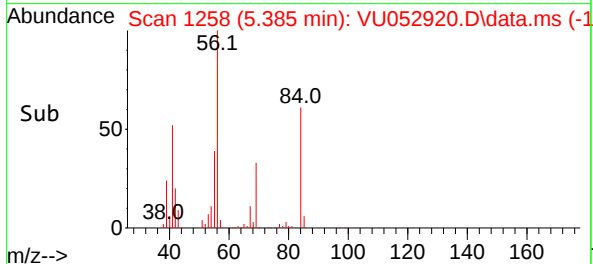
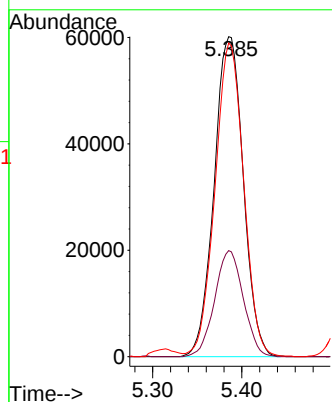
Tgt Ion: 56 Resp: 136824

Ion Ratio Lower Upper

56 100

69 32.5 26.6 40.0

84 95.9 77.0 115.4



#30

1,1,1-Trichloroethane

Concen: 48.885 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.003 min

Lab File: VU052920.D

Acq: 02 Feb 2023 12:31

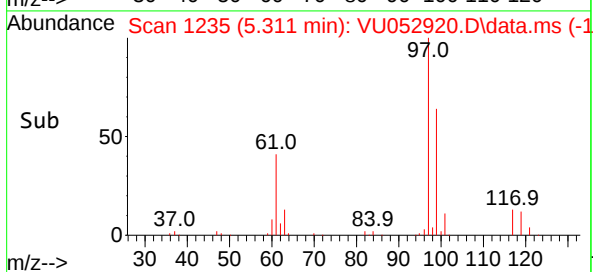
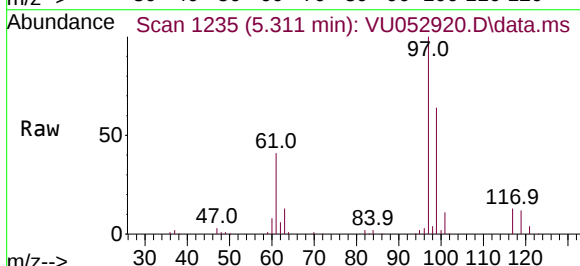
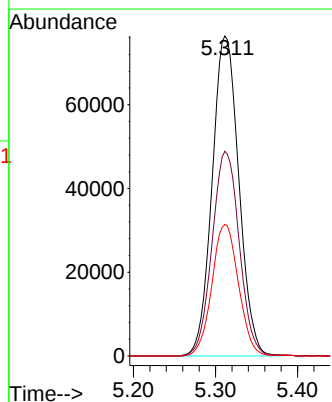
Tgt Ion: 97 Resp: 172822

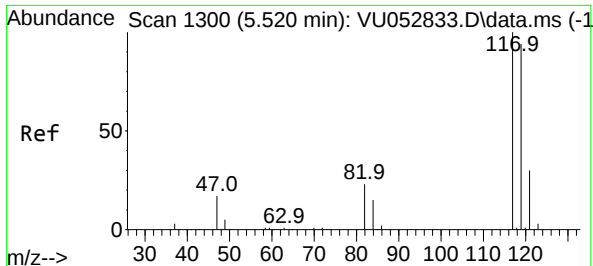
Ion Ratio Lower Upper

97 100

99 65.2 51.4 77.0

61 40.9 33.0 49.6

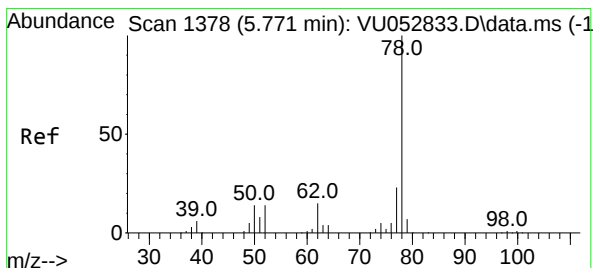
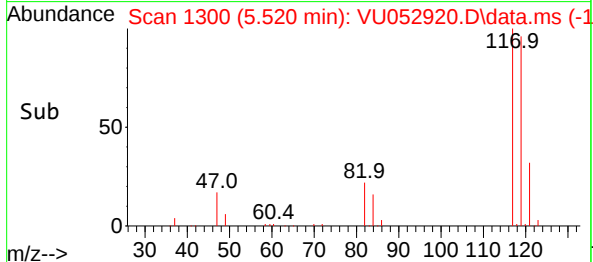
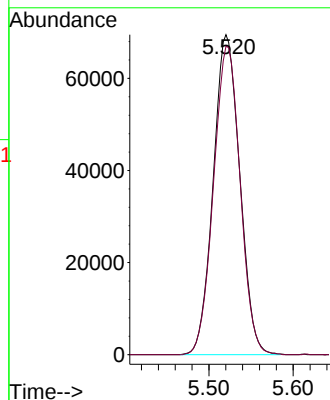
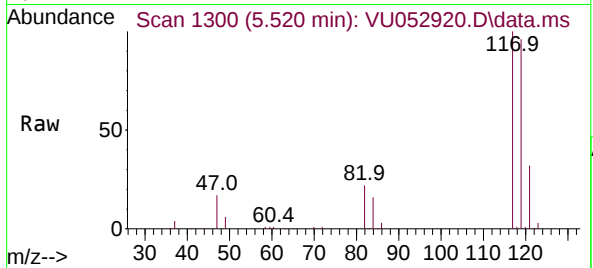




#31
Carbon tetrachloride
Concen: 49.573 ug/L
RT: 5.520 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU052920.D
Acq: 02 Feb 2023 12:31

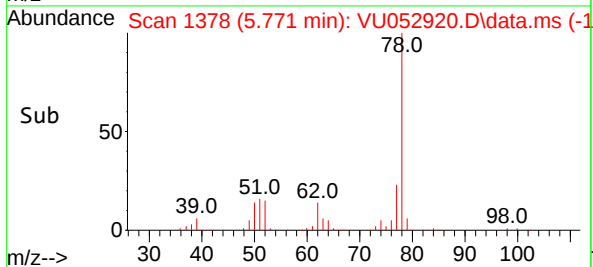
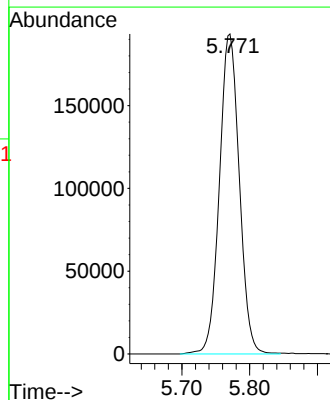
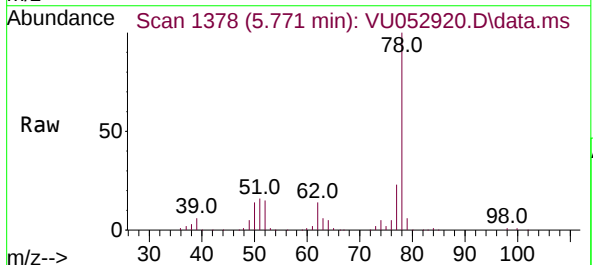
Instrument :
MSVOA_U
ClientSampleId :

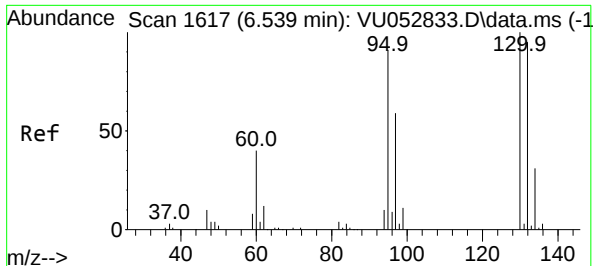
Tgt Ion:117 Resp: 151923
Ion Ratio Lower Upper
117 100
119 96.7 76.2 114.4



#33
Benzene
Concen: 48.170 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU052920.D
Acq: 02 Feb 2023 12:31

Tgt Ion: 78 Resp: 394095





#34

Trichloroethene

Concen: 47.634 ug/L

RT: 6.539 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052920.D

Acq: 02 Feb 2023 12:31

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 99053

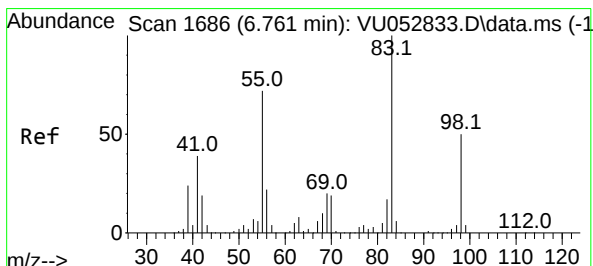
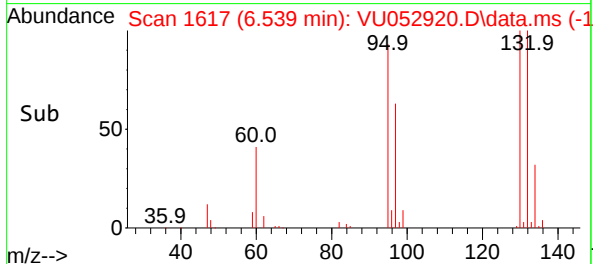
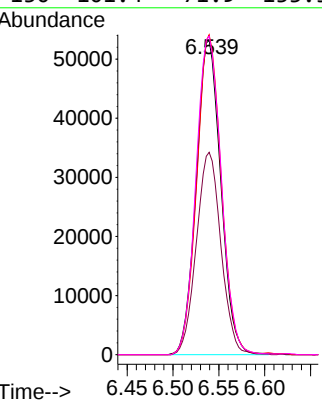
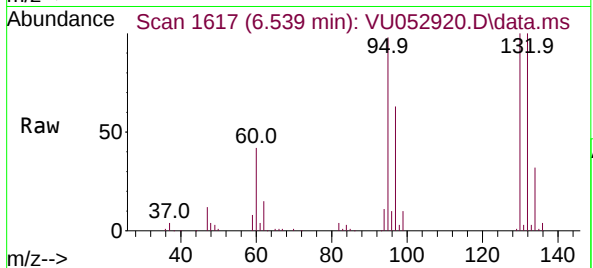
Ion Ratio Lower Upper

95 100

97 64.4 44.5 82.7

132 101.8 66.8 124.0

130 101.4 71.9 133.5



#35

Methylcyclohexane

Concen: 48.146 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. 0.003 min

Lab File: VU052920.D

Acq: 02 Feb 2023 12:31

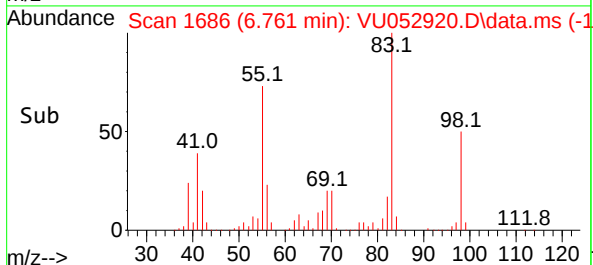
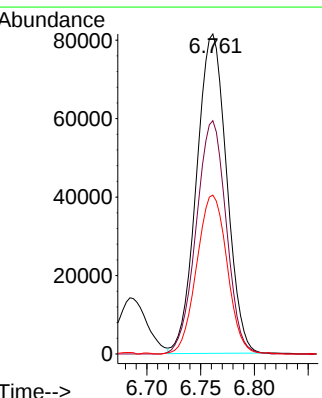
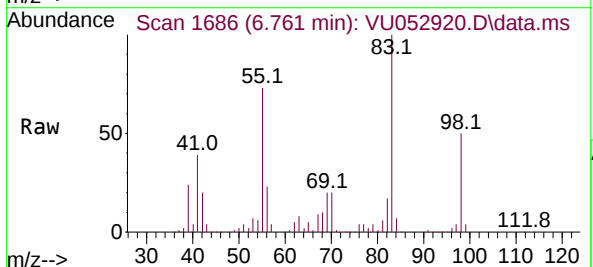
Tgt Ion: 83 Resp: 158461

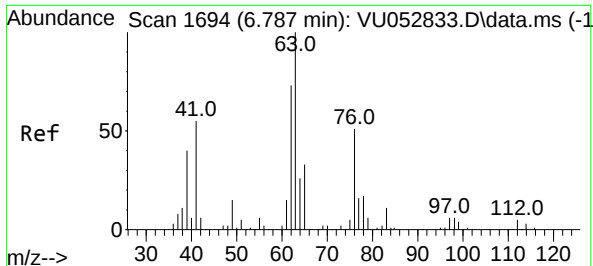
Ion Ratio Lower Upper

83 100

55 72.8 57.1 85.7

98 50.3 38.9 58.3





#37

1,2-Dichloropropane

Concen: 47.521 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052920.D

Acq: 02 Feb 2023 12:31

Instrument :

MSVOA_U

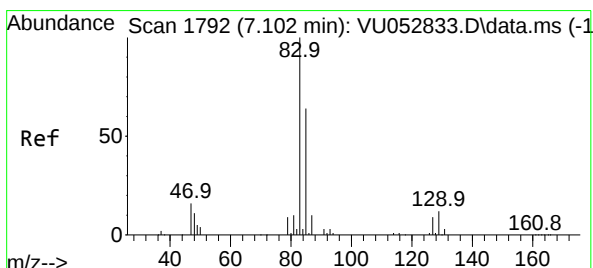
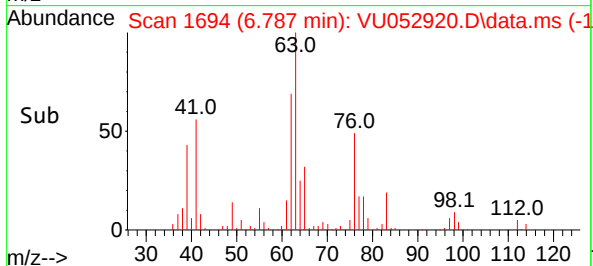
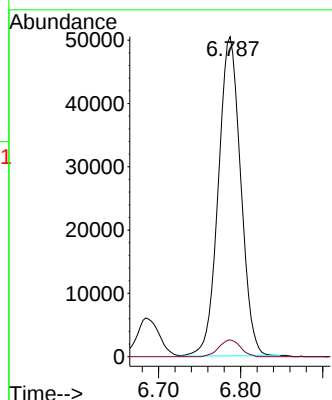
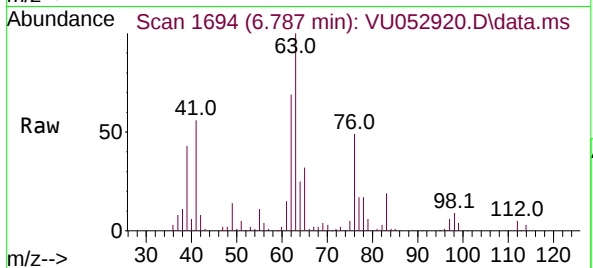
ClientSampleId :

Tgt Ion: 63 Resp: 95584

Ion Ratio Lower Upper

63 100

112 5.1 3.8 5.8



#38

Bromodichloromethane

Concen: 47.941 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VU052920.D

Acq: 02 Feb 2023 12:31

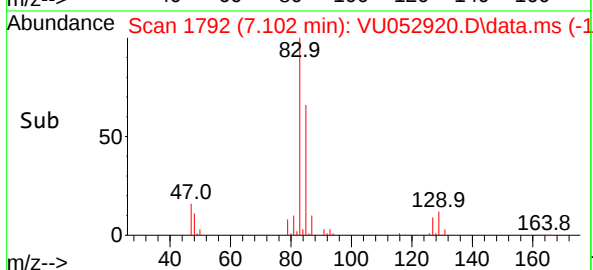
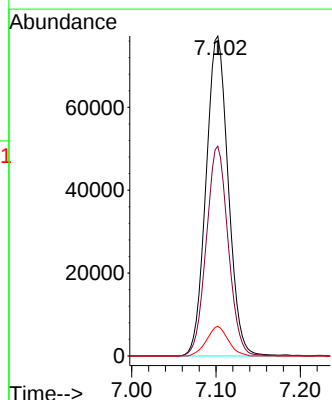
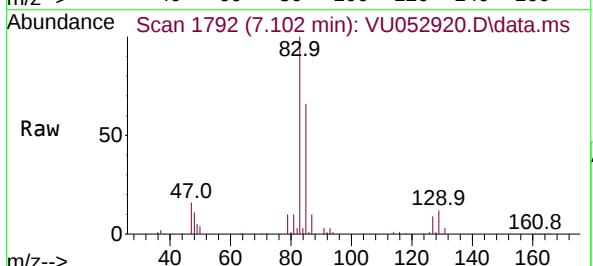
Tgt Ion: 83 Resp: 141507

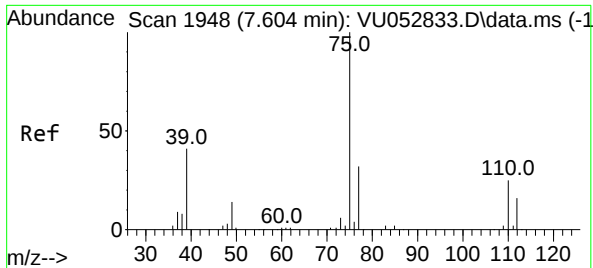
Ion Ratio Lower Upper

83 100

85 65.5 45.2 84.0

127 9.2 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 47.882 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU052920.D

Acq: 02 Feb 2023 12:31

Instrument :

MSVOA_U

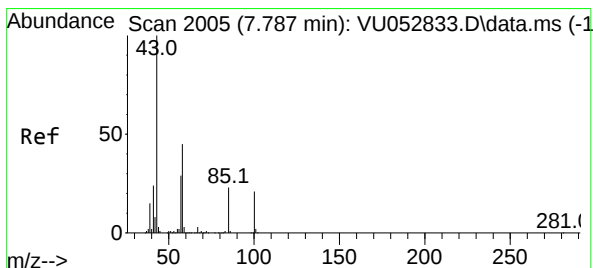
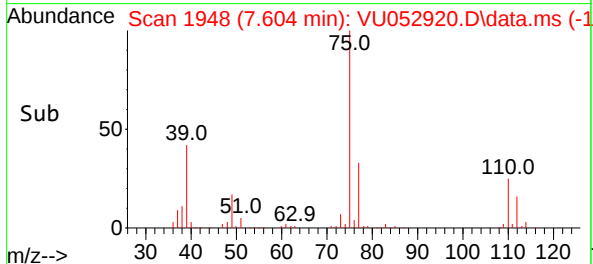
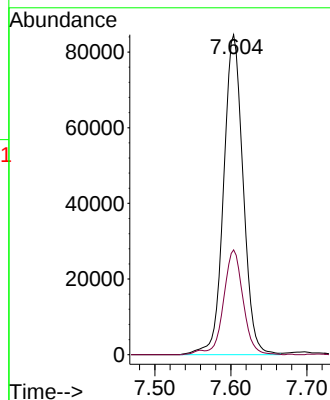
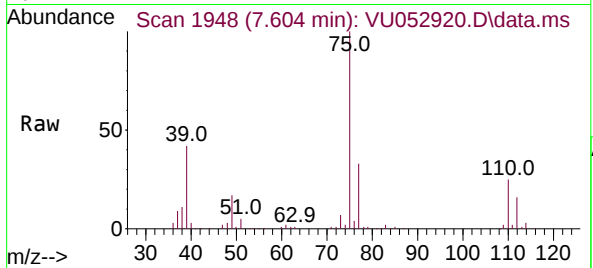
ClientSampleId :

Tgt Ion: 75 Resp: 150866

Ion Ratio Lower Upper

75 100

77 32.8 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 88.531 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.009 min

Lab File: VU052920.D

Acq: 02 Feb 2023 12:31

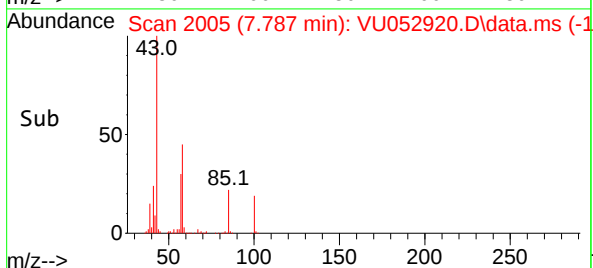
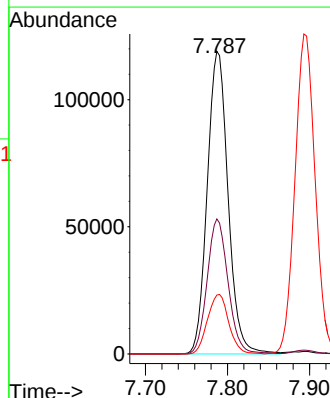
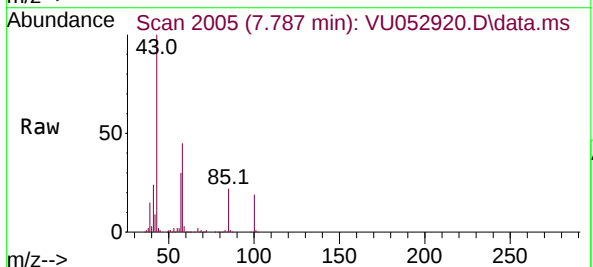
Tgt Ion: 43 Resp: 209793

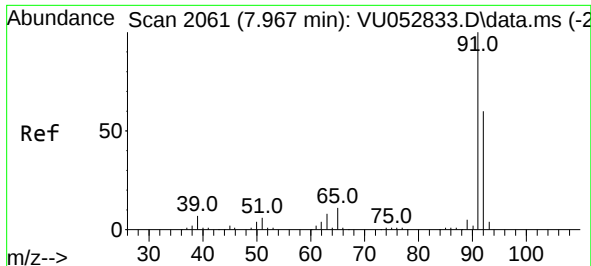
Ion Ratio Lower Upper

43 100

58 44.9 35.4 53.2

100 20.1 16.0 24.0





#42

Toluene

Concen: 49.299 ug/L

RT: 7.964 min Scan# 2061

Delta R.T. -0.003 min

Lab File: VU052920.D

Acq: 02 Feb 2023 12:31

Instrument :

MSVOA_U

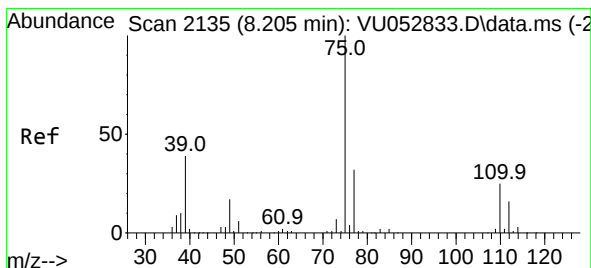
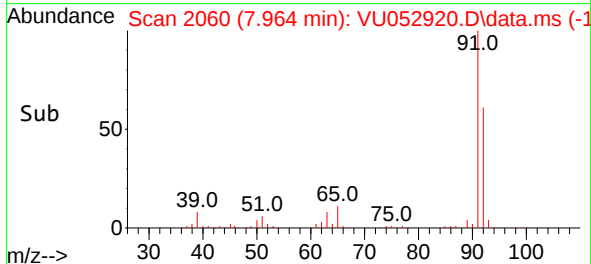
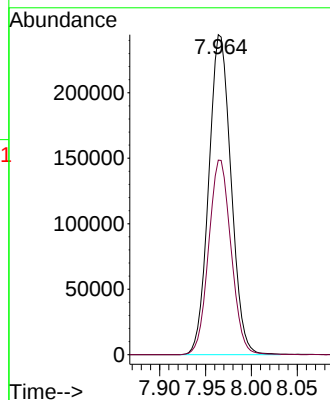
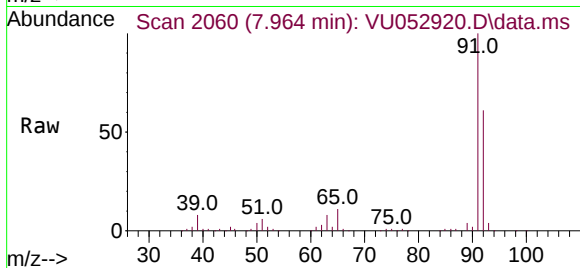
ClientSampleId :

Tgt Ion: 91 Resp: 413365

Ion Ratio Lower Upper

91 100

92 60.8 42.6 79.0



#44

trans-1,3-Dichloropropene

Concen: 47.837 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.003 min

Lab File: VU052920.D

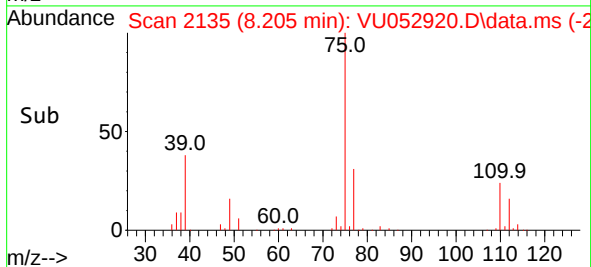
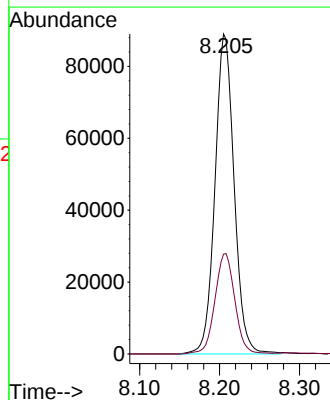
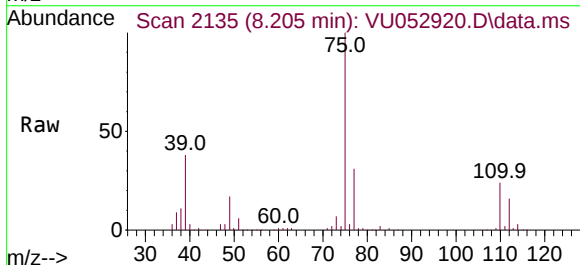
Acq: 02 Feb 2023 12:31

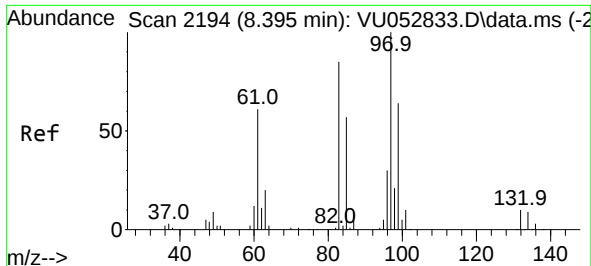
Tgt Ion: 75 Resp: 148125

Ion Ratio Lower Upper

75 100

77 31.2 22.3 41.3

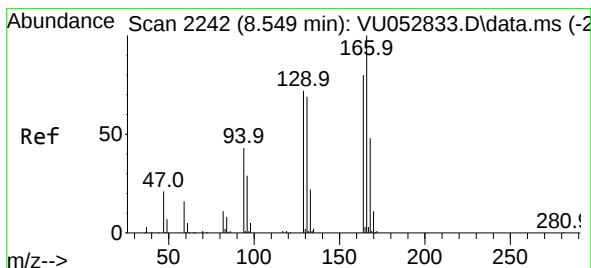
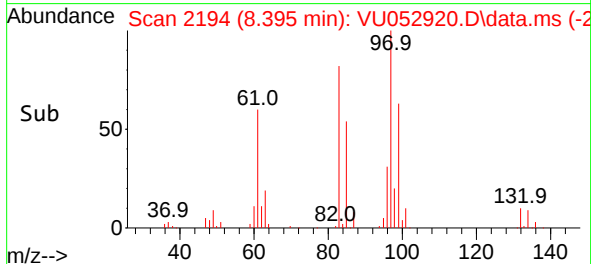
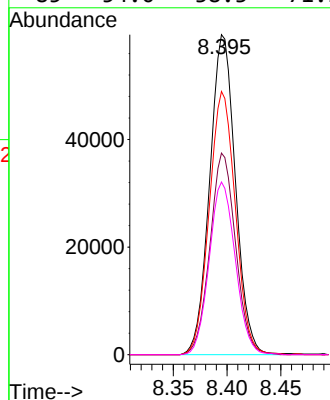
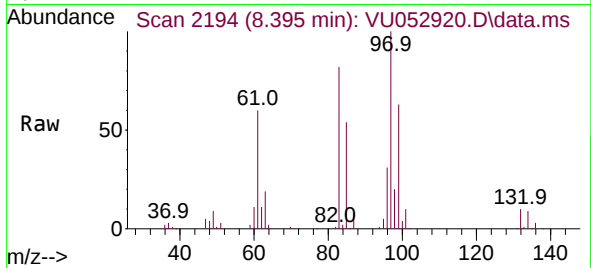




#45
1,1,2-Trichloroethane
Concen: 48.139 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU052920.D
Acq: 02 Feb 2023 12:31

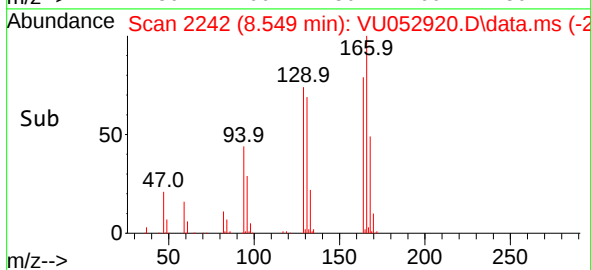
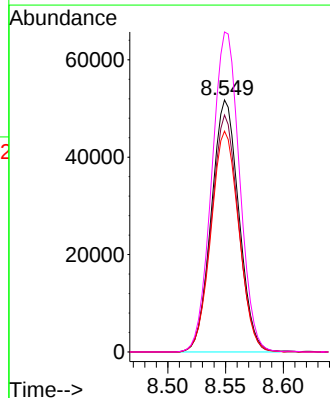
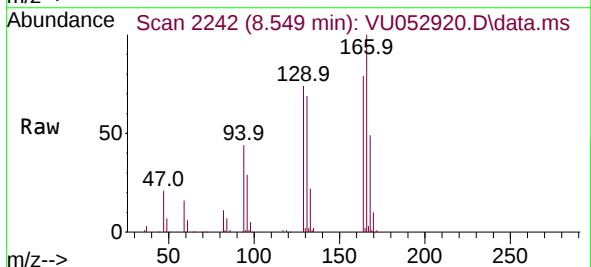
Instrument :
MSVOA_U
ClientSampleId :

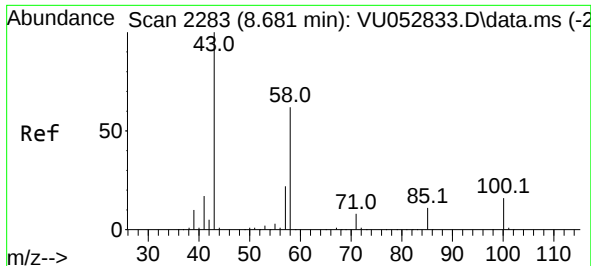
Tgt Ion:	97	Resp:	99017
Ion	Ratio	Lower	Upper
97	100		
99	63.0	44.7	83.1
83	82.3	60.3	112.1
85	54.0	38.3	71.1



#46
Tetrachloroethene
Concen: 47.948 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU052920.D
Acq: 02 Feb 2023 12:31

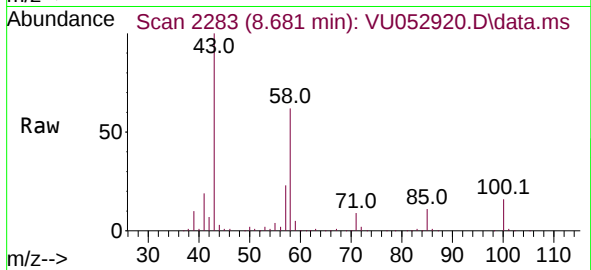
Tgt Ion:	164	Resp:	85856
Ion	Ratio	Lower	Upper
164	100		
129	94.0	64.8	120.3
131	87.6	61.2	113.6
166	127.0	89.2	165.8



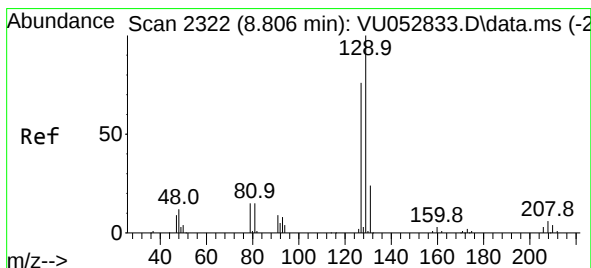
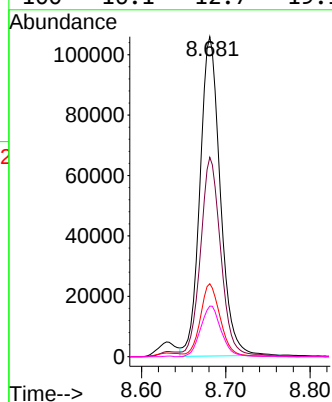
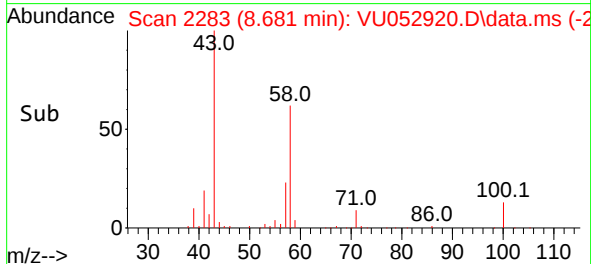


#48
2-Hexanone
Concen: 88.577 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.013 min
Lab File: VU052920.D
Acq: 02 Feb 2023 12:31

Instrument :
MSVOA_U
ClientSampleId :

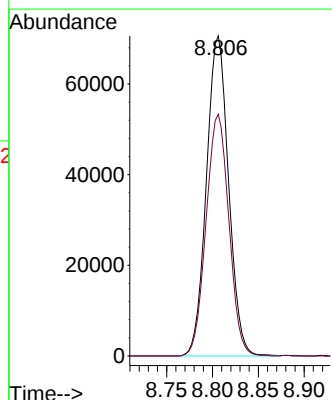
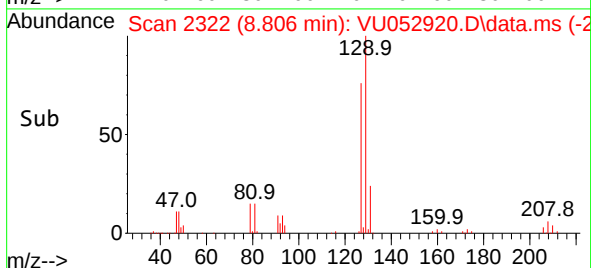
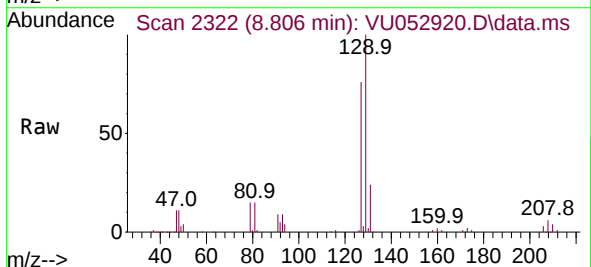


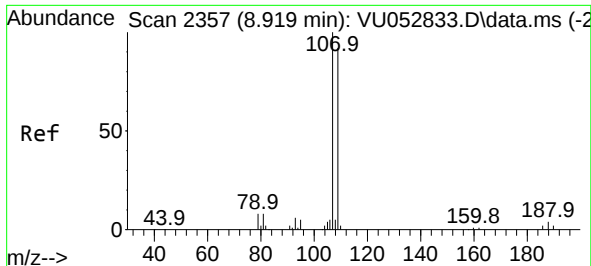
Tgt Ion: 43 Resp: 177573
Ion Ratio Lower Upper
43 100
58 61.5 48.0 72.0
57 22.2 16.8 25.2
100 16.1 12.7 19.1



#49
Dibromochloromethane
Concen: 48.288 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU052920.D
Acq: 02 Feb 2023 12:31

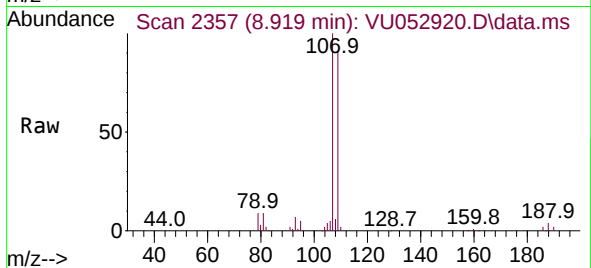
Tgt Ion:129 Resp: 118777
Ion Ratio Lower Upper
129 100
127 75.6 53.2 98.8





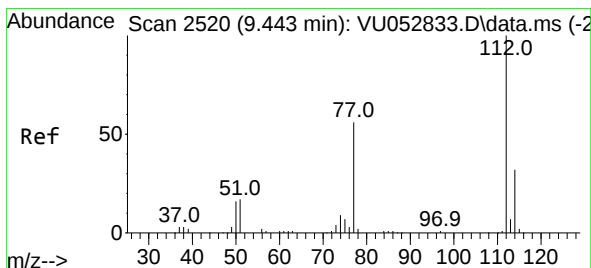
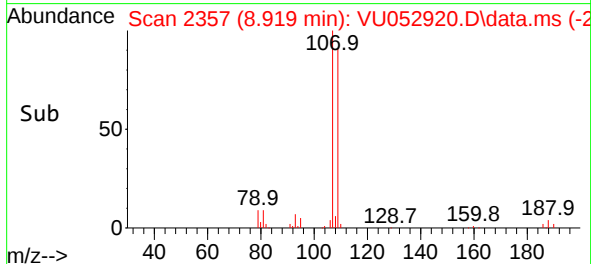
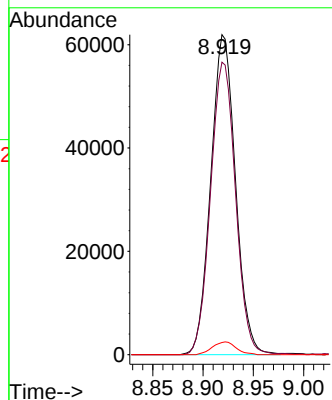
#50
 1,2-Dibromoethane
 Concen: 47.815 ug/L
 RT: 8.919 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU052920.D
 Acq: 02 Feb 2023 12:31

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:107 Resp: 105851

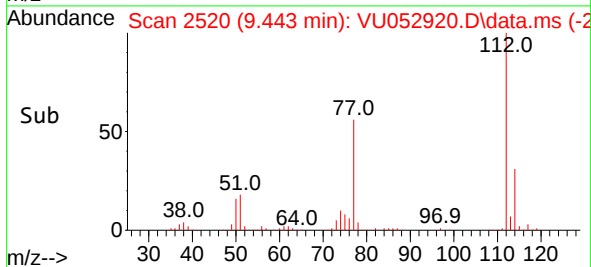
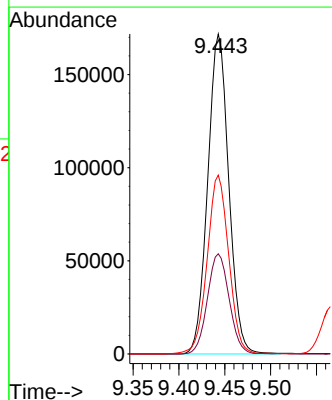
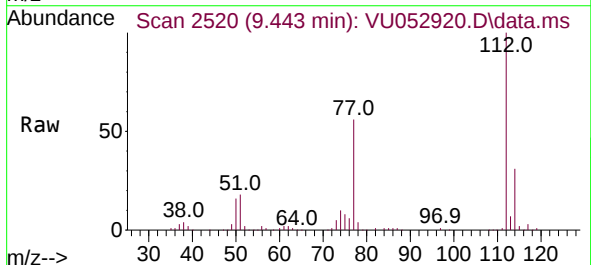
Ion	Ratio	Lower	Upper
107	100		
109	91.4	65.5	121.6
188	3.8	3.2	4.8

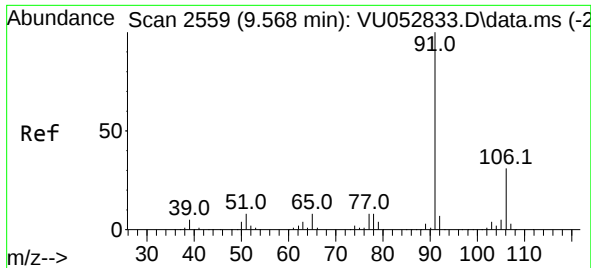


#51
 Chlorobenzene
 Concen: 47.489 ug/L
 RT: 9.443 min Scan# 2520
 Delta R.T. 0.000 min
 Lab File: VU052920.D
 Acq: 02 Feb 2023 12:31

Tgt Ion:112 Resp: 273954

Ion	Ratio	Lower	Upper
112	100		
114	31.3	22.8	42.4
77	55.9	45.9	68.9

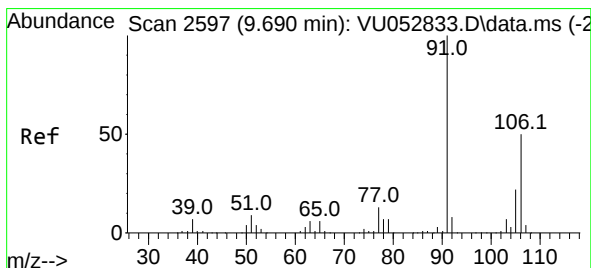
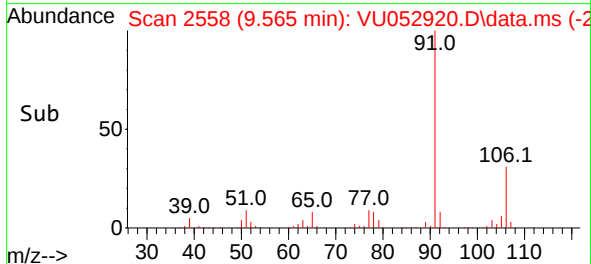
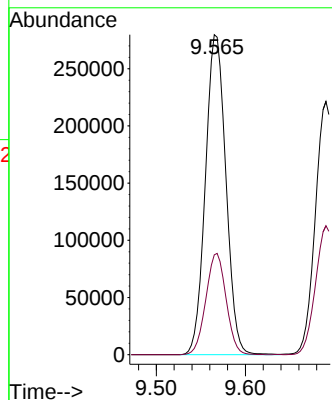
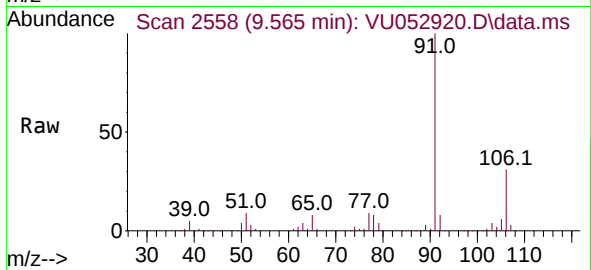




#52
Ethylbenzene
Concen: 49.778 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.003 min
Lab File: VU052920.D
Acq: 02 Feb 2023 12:31

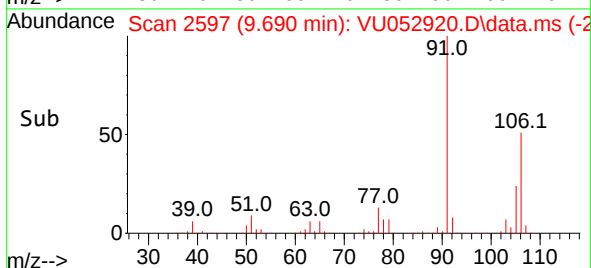
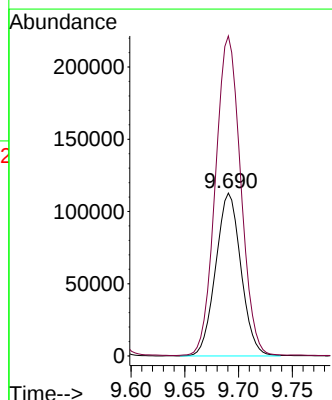
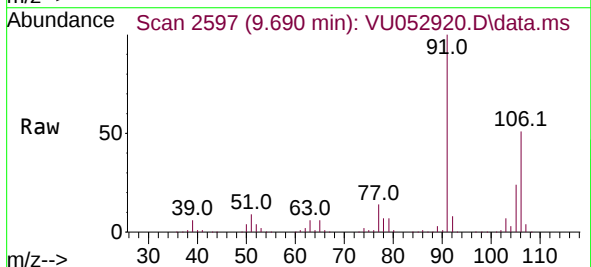
Instrument :
MSVOA_U
ClientSampleId :

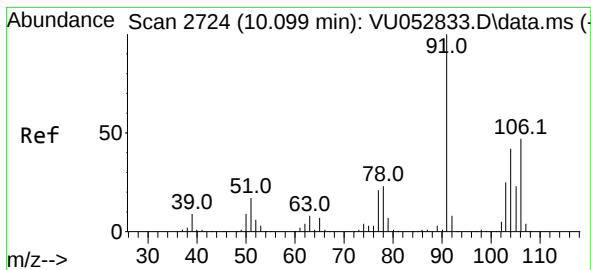
Tgt Ion: 91 Resp: 446043
Ion Ratio Lower Upper
91 100
106 31.2 22.0 40.8



#53
m,p-Xylene
Concen: 50.800 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU052920.D
Acq: 02 Feb 2023 12:31

Tgt Ion:106 Resp: 184280
Ion Ratio Lower Upper
106 100
91 196.5 137.4 255.2





#54

o-xylene

Concen: 50.774 ug/L

RT: 10.096 min Scan# 2724

Delta R.T. -0.003 min

Lab File: VU052920.D

Acq: 02 Feb 2023 12:31

Instrument :

MSVOA_U

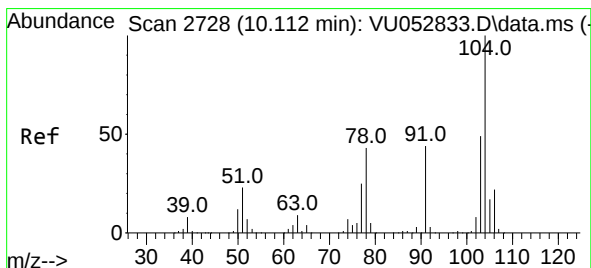
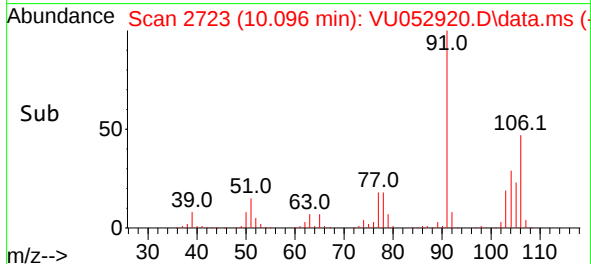
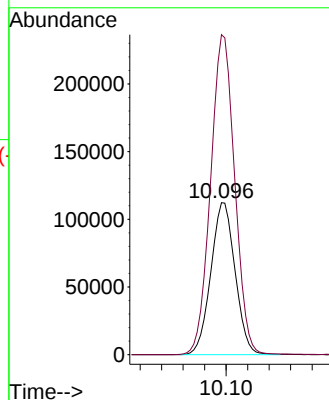
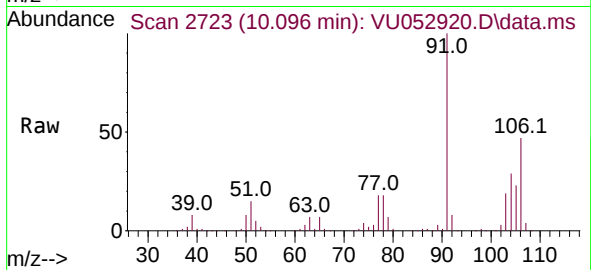
ClientSampleId :

Tgt Ion:106 Resp: 175832

Ion Ratio Lower Upper

106 100

91 210.5 143.4 266.2



#55

Styrene

Concen: 51.419 ug/L

RT: 10.112 min Scan# 2728

Delta R.T. 0.000 min

Lab File: VU052920.D

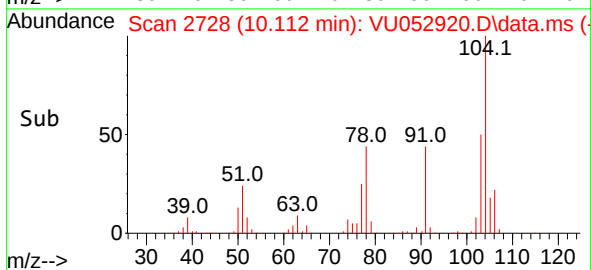
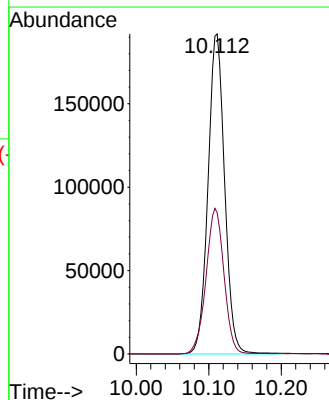
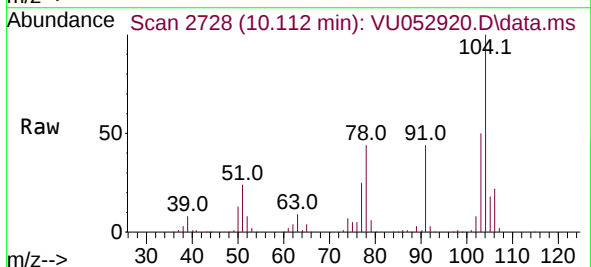
Acq: 02 Feb 2023 12:31

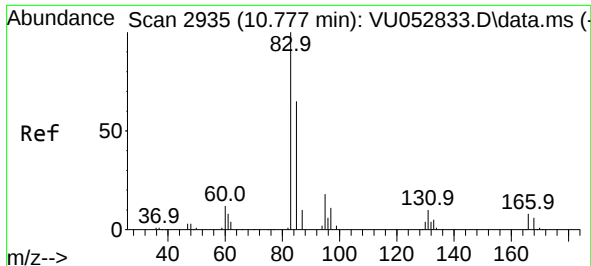
Tgt Ion:104 Resp: 305564

Ion Ratio Lower Upper

104 100

78 44.1 31.9 59.2

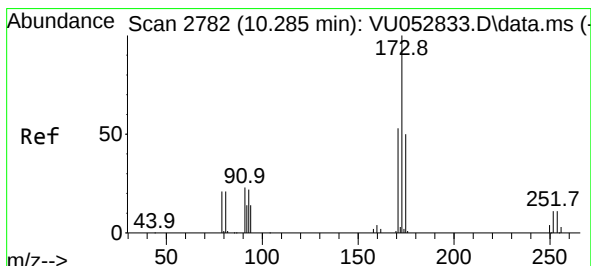
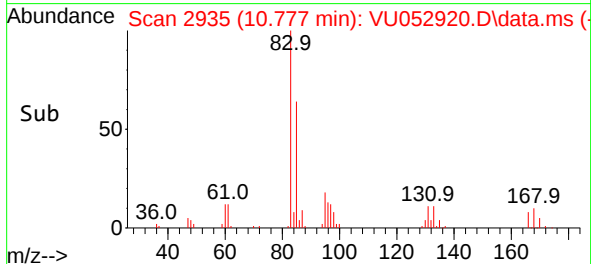
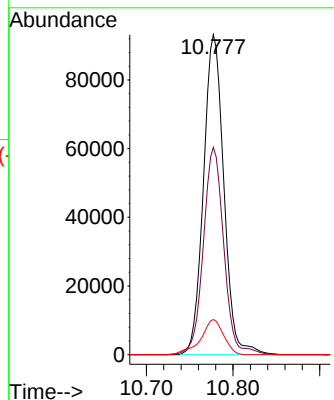
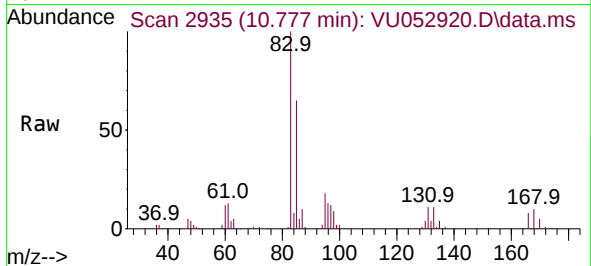




#57
 1,1,2,2-Tetrachloroethane
 Concen: 45.732 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. -0.003 min
 Lab File: VU052920.D
 Acq: 02 Feb 2023 12:31

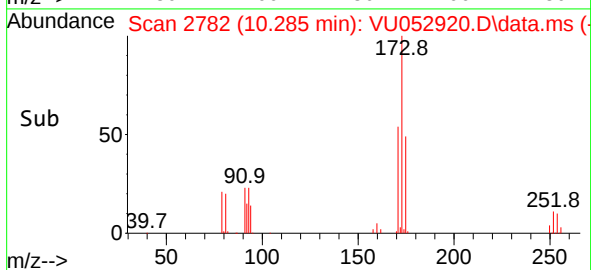
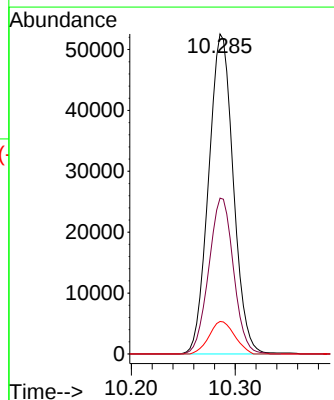
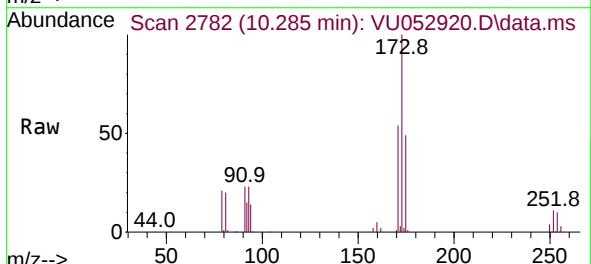
Instrument :
 MSVOA_U
 ClientSampleId :

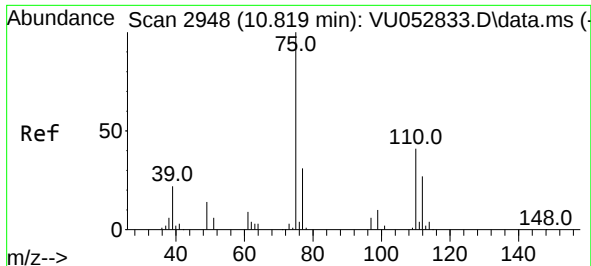
Tgt Ion: 83 Resp: 152231
 Ion Ratio Lower Upper
 83 100
 85 64.8 45.0 83.6
 131 11.0 8.6 12.8



#59
 Bromoform
 Concen: 44.559 ug/L
 RT: 10.285 min Scan# 2782
 Delta R.T. -0.006 min
 Lab File: VU052920.D
 Acq: 02 Feb 2023 12:31

Tgt Ion:173 Resp: 86657
 Ion Ratio Lower Upper
 173 100
 175 48.7 37.7 56.5
 254 10.5 8.3 12.5

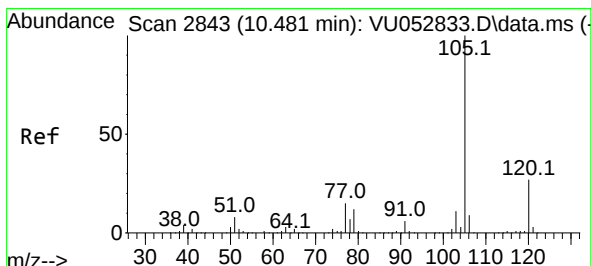
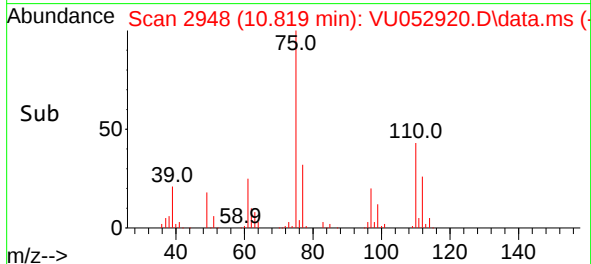
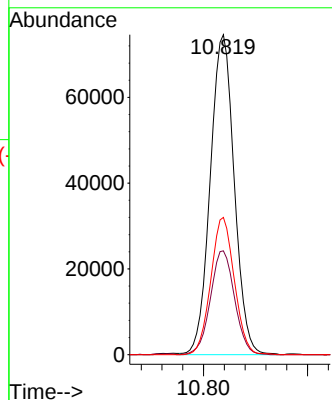
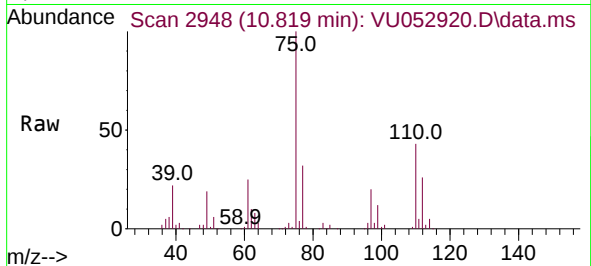




#60
1,2,3-Trichloropropane
Concen: 43.506 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VU052920.D
Acq: 02 Feb 2023 12:31

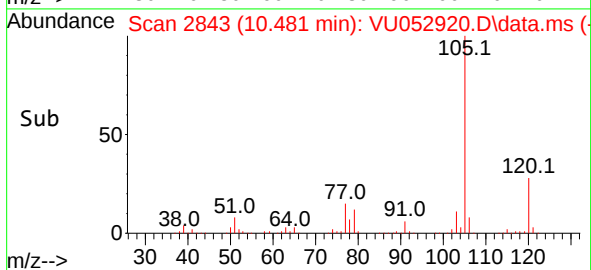
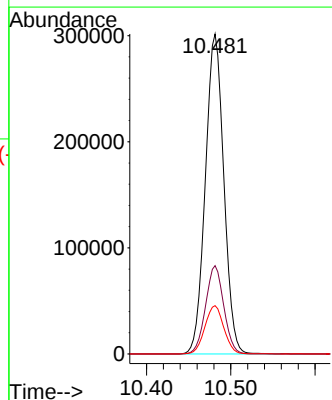
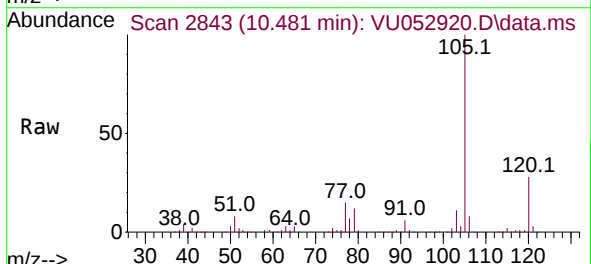
Instrument :
MSVOA_U
ClientSampleId :

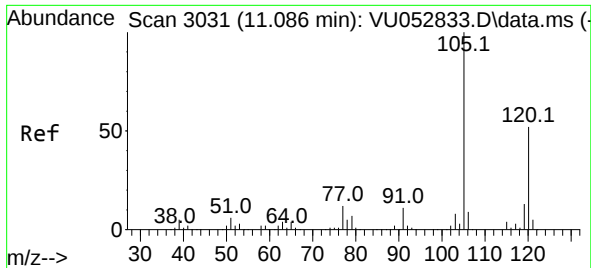
Tgt Ion: 75 Resp: 119766
Ion Ratio Lower Upper
75 100
77 32.6 25.8 38.8
110 41.8 32.4 48.6



#61
Isopropylbenzene
Concen: 50.243 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU052920.D
Acq: 02 Feb 2023 12:31

Tgt Ion: 105 Resp: 460520
Ion Ratio Lower Upper
105 100
120 27.2 21.4 32.2
77 15.5 12.2 18.2





#62

1,3,5-Trimethylbenzene

Concen: 50.704 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. 0.000 min

Lab File: VU052920.D

Acq: 02 Feb 2023 12:31

Instrument :

MSVOA_U

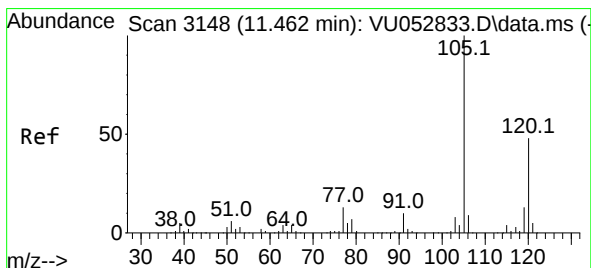
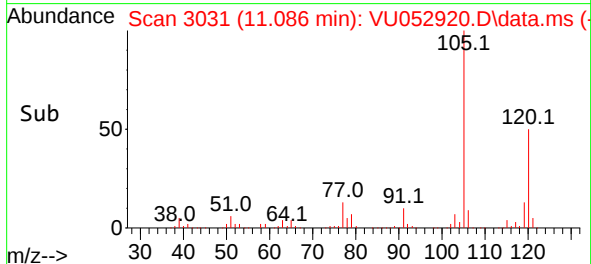
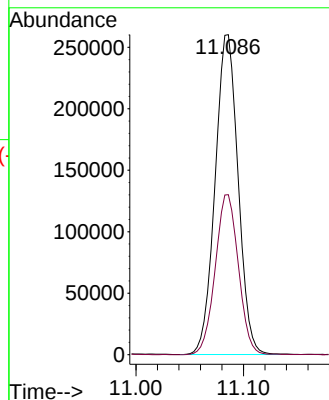
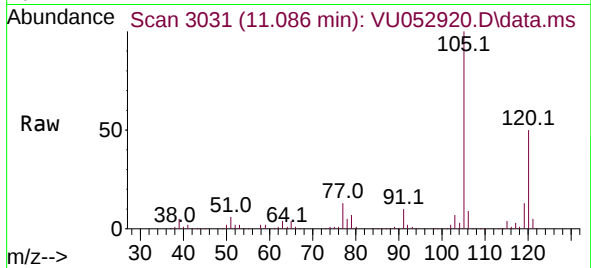
ClientSampleId :

Tgt Ion:105 Resp: 386967

Ion Ratio Lower Upper

105 100

120 50.5 40.4 60.6



#63

1,2,4-Trimethylbenzene

Concen: 51.980 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.000 min

Lab File: VU052920.D

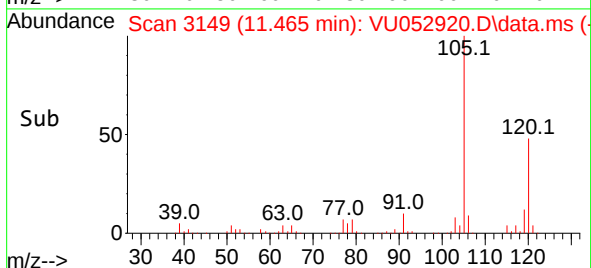
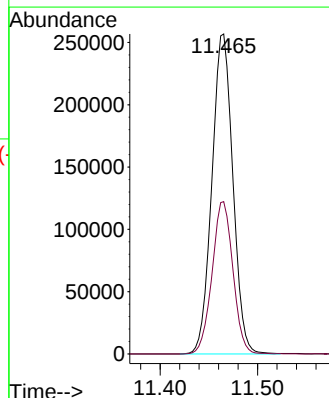
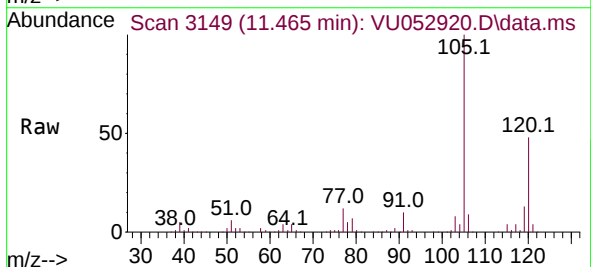
Acq: 02 Feb 2023 12:31

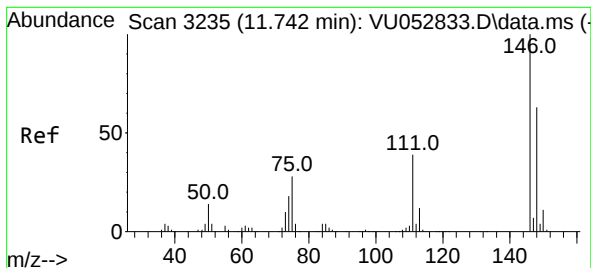
Tgt Ion:105 Resp: 383872

Ion Ratio Lower Upper

105 100

120 47.3 38.1 57.1





#64

1,3-Dichlorobenzene

Concen: 47.442 ug/L

RT: 11.742 min Scan# 3235

Delta R.T. 0.000 min

Lab File: VU052920.D

Acq: 02 Feb 2023 12:31

Instrument :

MSVOA_U

ClientSampleId :

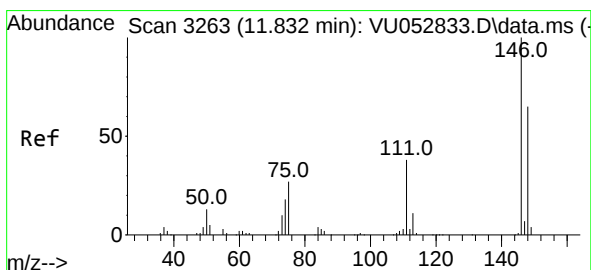
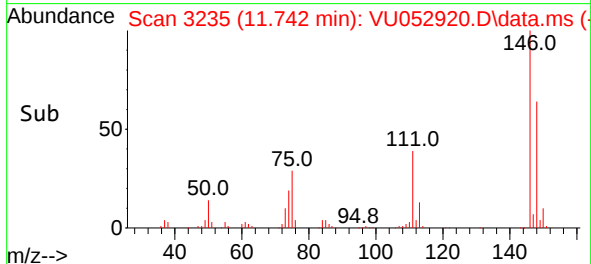
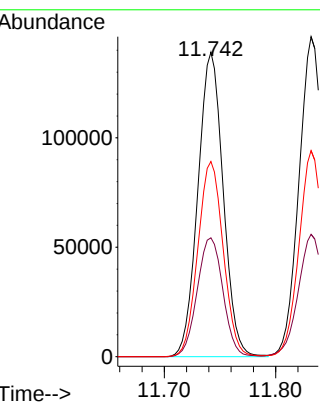
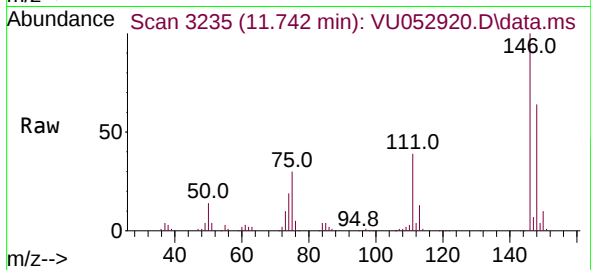
Tgt Ion:146 Resp: 219392

Ion Ratio Lower Upper

146 100

111 39.0 27.8 51.6

148 64.1 45.5 84.5



#65

1,4-Dichlorobenzene

Concen: 47.262 ug/L

RT: 11.832 min Scan# 3263

Delta R.T. 0.000 min

Lab File: VU052920.D

Acq: 02 Feb 2023 12:31

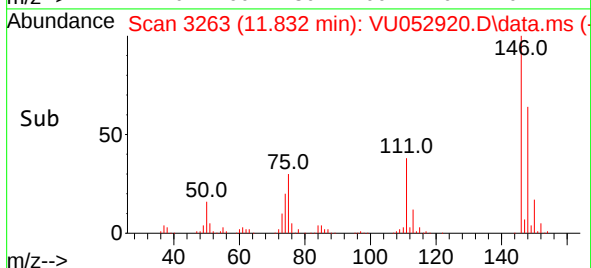
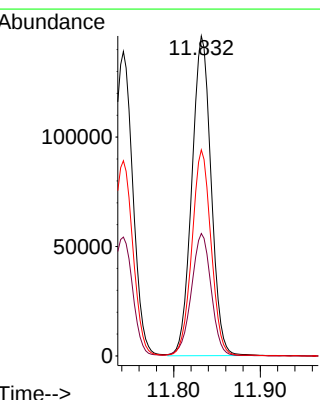
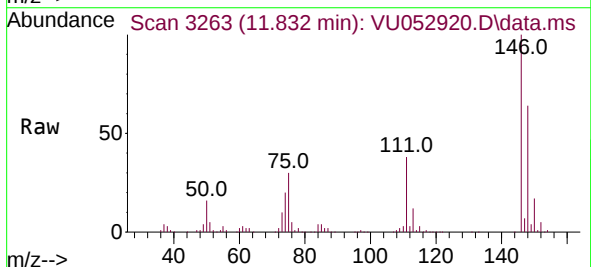
Tgt Ion:146 Resp: 226260

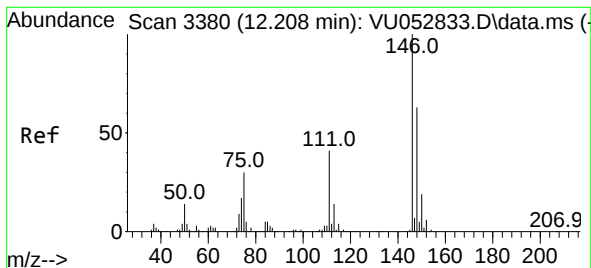
Ion Ratio Lower Upper

146 100

111 38.2 26.7 49.7

148 64.4 45.6 84.6





#67

1,2-Dichlorobenzene

Concen: 48.851 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU052920.D

Acq: 02 Feb 2023 12:31

Instrument :

MSVOA_U

ClientSampleId :

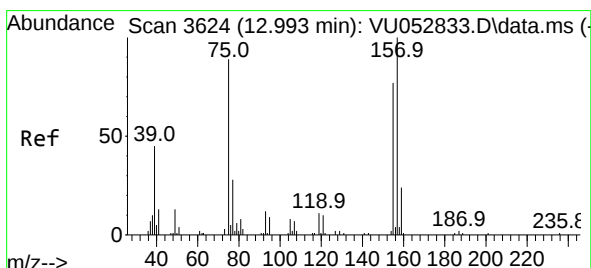
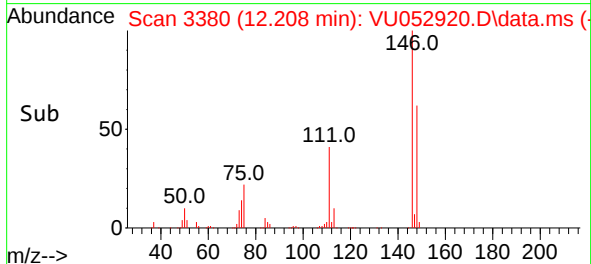
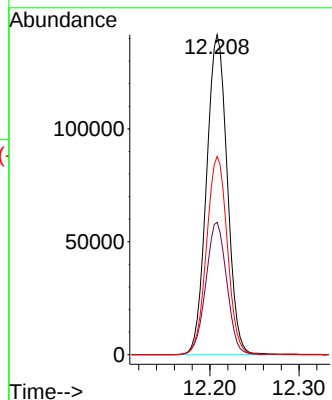
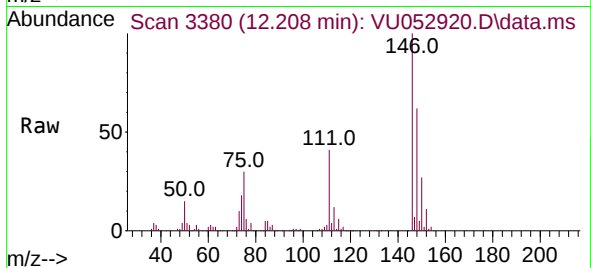
Tgt Ion:146 Resp: 228497

Ion Ratio Lower Upper

146 100

111 41.3 33.2 49.8

148 62.0 50.2 75.4



#68

1,2-Dibromo-3-chloropropane

Concen: 43.732 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. -0.003 min

Lab File: VU052920.D

Acq: 02 Feb 2023 12:31

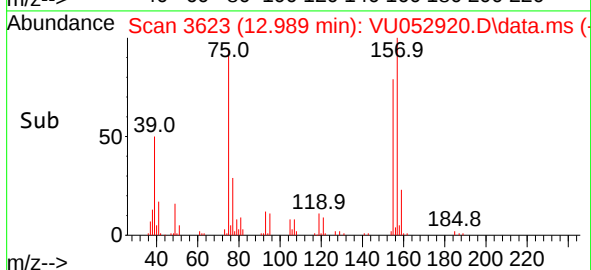
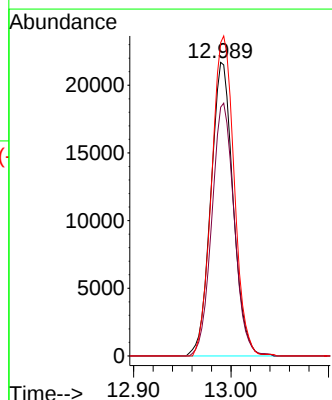
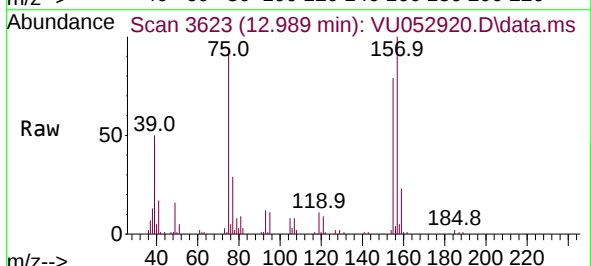
Tgt Ion: 75 Resp: 34508

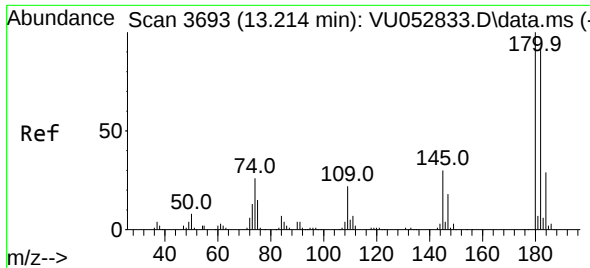
Ion Ratio Lower Upper

75 100

155 84.8 69.2 103.8

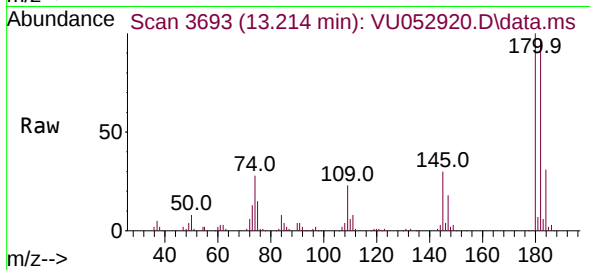
157 106.7 91.2 136.8



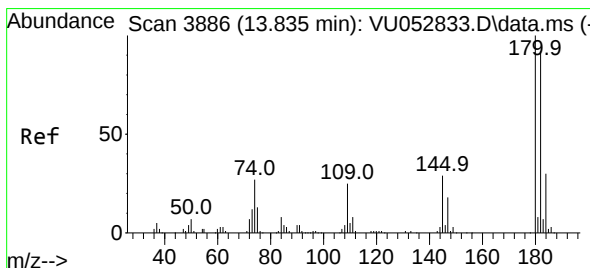
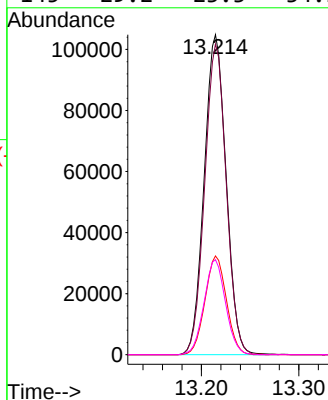
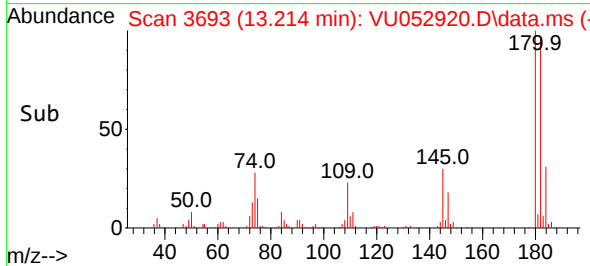


#69
 1,3,5-Trichlorobenzene
 Concen: 47.852 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU052920.D
 Acq: 02 Feb 2023 12:31

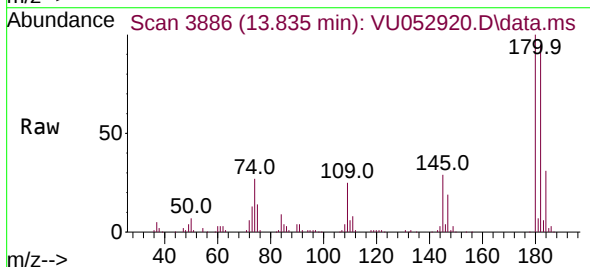
Instrument :
 MSVOA_U
 ClientSampleId :



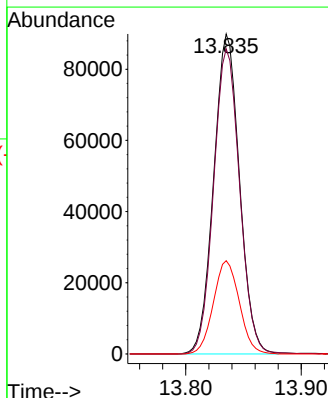
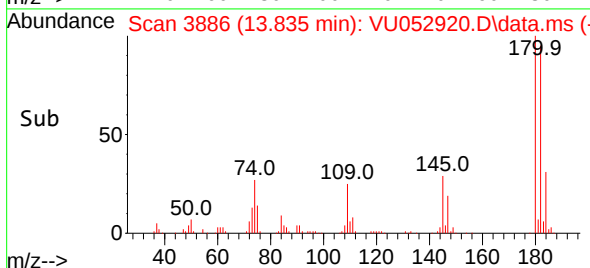
Tgt Ion:180 Resp: 163820
 Ion Ratio Lower Upper
 180 100
 182 95.2 77.0 115.6
 184 30.2 24.4 36.6
 145 29.2 23.3 34.9

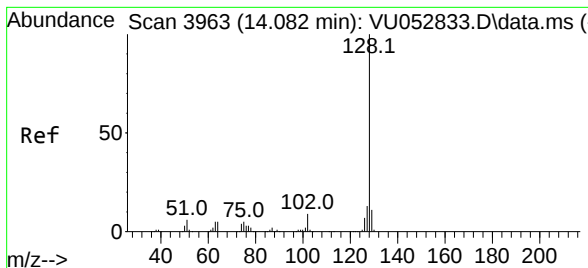


#70
 1,2,4-trichlorobenzene
 Concen: 48.698 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU052920.D
 Acq: 02 Feb 2023 12:31



Tgt Ion:180 Resp: 139775
 Ion Ratio Lower Upper
 180 100
 182 95.8 78.2 117.2
 145 29.2 23.4 35.2





#71

Naphthalene

Concen: 49.798 ug/L

RT: 14.083 min Scan# 3963

Delta R.T. 0.000 min

Lab File: VU052920.D

Acq: 02 Feb 2023 12:31

Instrument :

MSVOA_U

ClientSampleId :

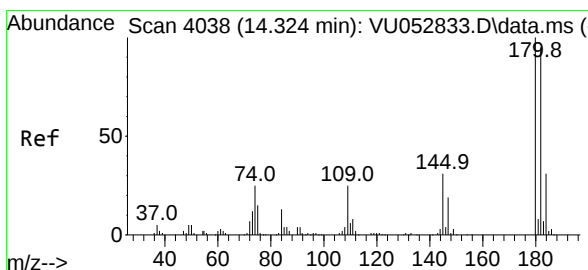
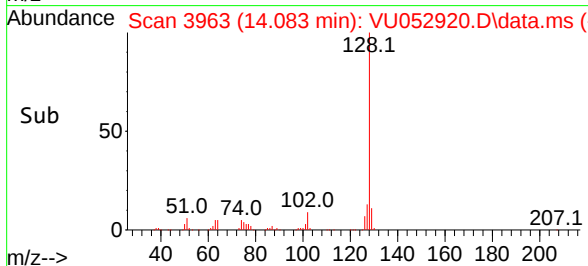
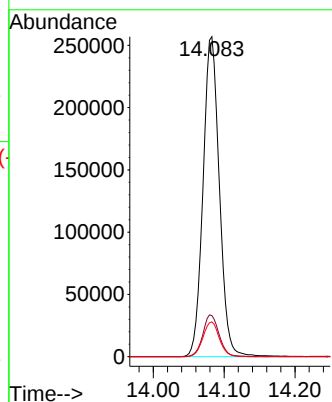
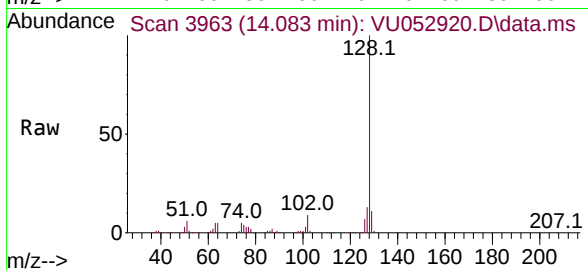
Tgt Ion:128 Resp: 410748

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 10.9 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 49.021 ug/L

RT: 14.324 min Scan# 4038

Delta R.T. -0.003 min

Lab File: VU052920.D

Acq: 02 Feb 2023 12:31

Tgt Ion:180 Resp: 148698

Ion Ratio Lower Upper

180 100

182 95.0 77.5 116.3

145 30.3 24.2 36.4

