

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U020323\
 Data File : U052938.D
 Acq On : 03 Feb 2023 11:57
 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 23:39:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 03 00:24:34 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.246	114	216246	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	213438	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	125723	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	58915	37.852	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.700%
7) Chloroethane-d5	1.909	69	58509	45.622	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.240%
11) 1,1-Dichloroethene-d2	2.565	63	140474	45.377	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.760%
21) 2-Butanone-d5	4.623	46	71272	74.126	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	74.130%
24) Chloroform-d	5.057	84	164155	49.419	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.840%
26) 1,2-Dichloroethane-d4	5.697	65	105125	49.565	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.120%
32) Benzene-d6	5.722	84	294410	45.149	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.300%
36) 1,2-Dichloropropane-d6	6.687	67	87721	45.868	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.740%
41) Toluene-d8	7.896	98	273722	46.098	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.200%
43) trans-1,3-Dichloroprop...	8.176	79	44935	46.878	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.760%
47) 2-Hexanone-d5	8.632	63	49818	74.135	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	74.140%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	125512	44.419	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.840%
66) 1,2-Dichlorobenzene-d4	12.188	152	112965	46.274	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.540%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	91755	45.313	ug/L	99
3) Chloromethane	1.520	50	69582	41.665	ug/L	99
5) Vinyl chloride	1.604	62	80711	43.685	ug/L	98
6) Bromomethane	1.858	94	59415	50.992	ug/L	95
8) Chloroethane	1.932	64	54080	46.603	ug/L	95
9) Trichlorofluoromethane	2.134	101	156601	50.605	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	86981	49.867	ug/L	98
12) 1,1-Dichloroethene	2.578	96	76318	47.708	ug/L	98
13) Acetone	2.632	43	72409	61.661	ug/L	98
14) Carbon disulfide	2.790	76	217490	45.015	ug/L	99
15) Methyl Acetate	2.944	43	61656	38.968	ug/L	97
16) Methylene chloride	3.041	84	90413	47.512	ug/L	97
17) trans-1,2-Dichloroethene	3.349	96	82352	47.637	ug/L	99
18) Methyl tert-butyl Ether	3.359	73	244290	48.057	ug/L	99
19) 1,1-Dichloroethane	3.864	63	145325	47.932	ug/L	96
20) cis-1,2-Dichloroethene	4.661	96	88385	47.885	ug/L	98
22) 2-Butanone	4.700	43	88339	70.380	ug/L	98
23) Bromochloromethane	4.970	128	50182	48.416	ug/L	98
25) Chloroform	5.083	83	172034	50.545	ug/L	97

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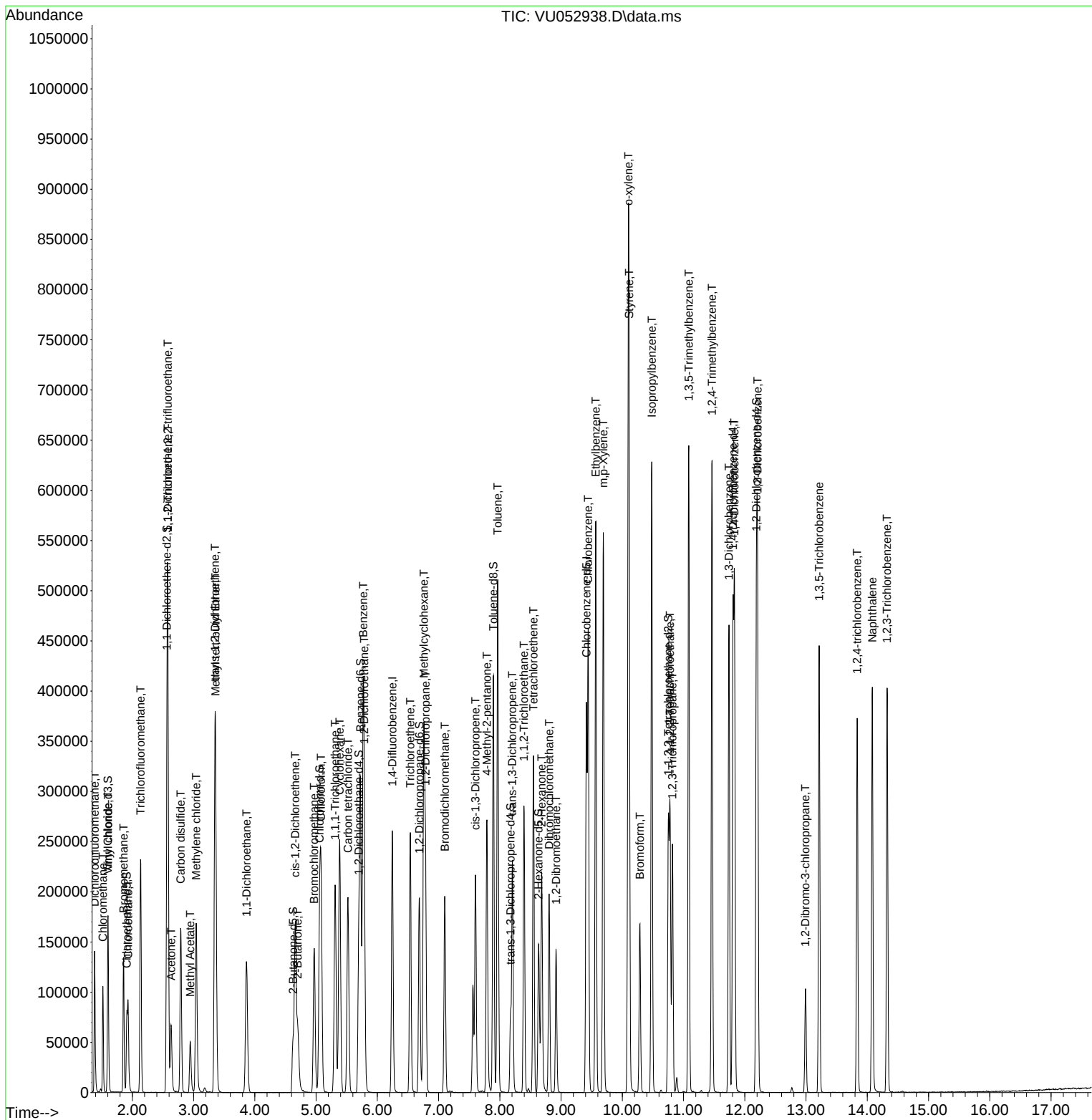
Instrument :
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 ClientSampleId :

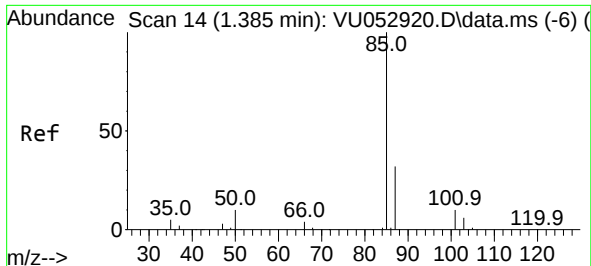
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	134355	49.863	ug/L	98
29) Cyclohexane	5.385	56	118290	46.769	ug/L	98
30) 1,1,1-Trichloroethane	5.311	97	155624	49.569	ug/L	99
31) Carbon tetrachloride	5.520	117	137625	50.569	ug/L	99
33) Benzene	5.771	78	348545	47.973	ug/L	100
34) Trichloroethene	6.539	95	85923	46.529	ug/L	97
35) Methylcyclohexane	6.761	83	138006	47.217	ug/L	98
37) 1,2-Dichloropropane	6.787	63	84563	47.342	ug/L	98
38) Bromodichloromethane	7.102	83	127140	48.504	ug/L	98
39) cis-1,3-Dichloropropene	7.603	75	130984	46.812	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	164190	78.021	ug/L	99
42) Toluene	7.967	91	371380	49.875	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	130645	47.511	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	87810	48.072	ug/L	99
46) Tetrachloroethene	8.549	164	76156	47.893	ug/L	99
48) 2-Hexanone	8.684	43	132140	74.223	ug/L	97
49) Dibromochloromethane	8.806	129	103994	47.608	ug/L	99
50) 1,2-Dibromoethane	8.918	107	91521	46.553	ug/L	96
51) Chlorobenzene	9.442	112	242145	47.267	ug/L	99
52) Ethylbenzene	9.568	91	394758	49.608	ug/L	99
53) m,p-Xylene	9.690	106	163092	50.627	ug/L	99
54) o-xylene	10.098	106	155889	50.689	ug/L	98
55) Styrene	10.111	104	272896	51.711	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	133026	45.000	ug/L	100
59) Bromoform	10.288	173	77653	45.073	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	101240	41.514	ug/L	98
61) Isopropylbenzene	10.481	105	404790	49.852	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	341089	50.450	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	337049	51.519	ug/L	99
64) 1,3-Dichlorobenzene	11.741	146	197399	48.185	ug/L	97
65) 1,4-Dichlorobenzene	11.831	146	196635	46.365	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	198630	47.936	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.989	75	27263	39.001	ug/L	90
69) 1,3,5-Trichlorobenzene	13.214	180	144600	47.678	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	116747	45.914	ug/L	98
71) Naphthalene	14.082	128	329327	45.070	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	127427	47.420	ug/L	98

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

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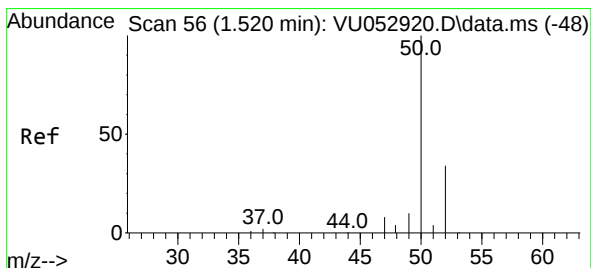
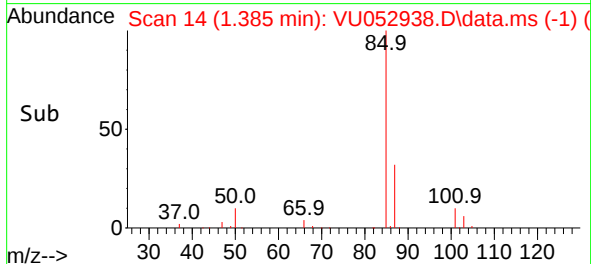
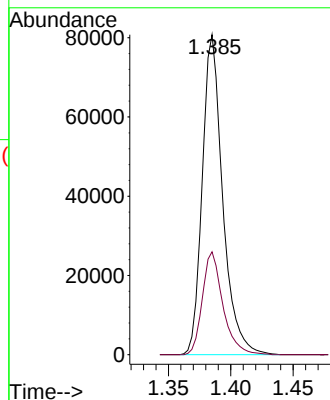
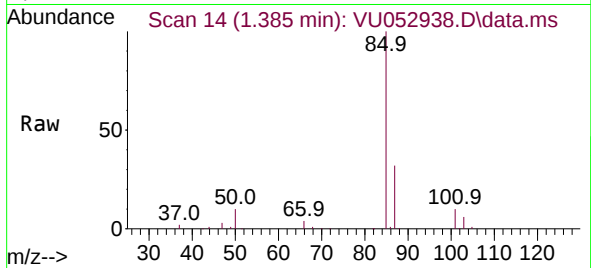




#2
Dichlorodifluoromethane
Concen: 45.313 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU052938.D
Acq: 03 Feb 2023 11:57

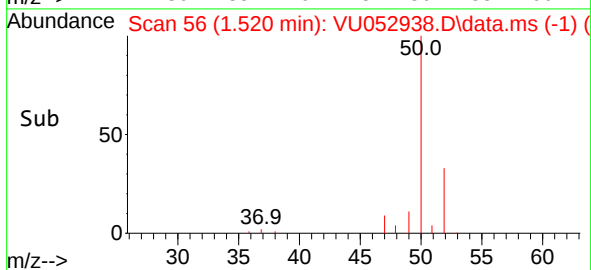
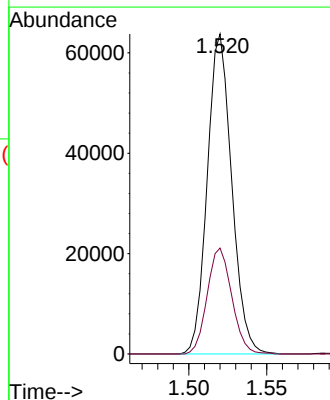
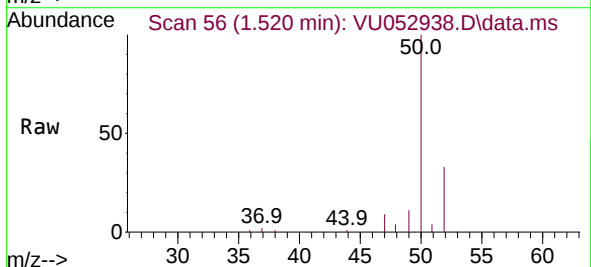
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MSVOA_U
ClientSampleId :

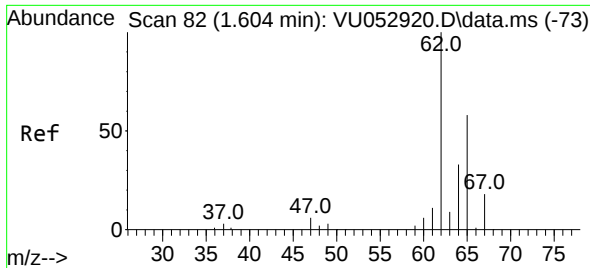
Tgt Ion: 85 Resp: 91755
Ion Ratio Lower Upper
85 100
87 32.3 26.4 39.6



#3
Chloromethane
Concen: 41.665 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU052938.D
Acq: 03 Feb 2023 11:57

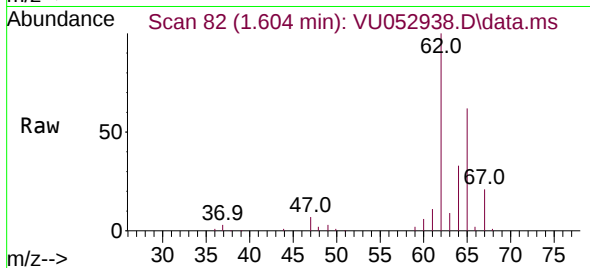
Tgt Ion: 50 Resp: 69582
Ion Ratio Lower Upper
50 100
52 33.1 23.4 43.4



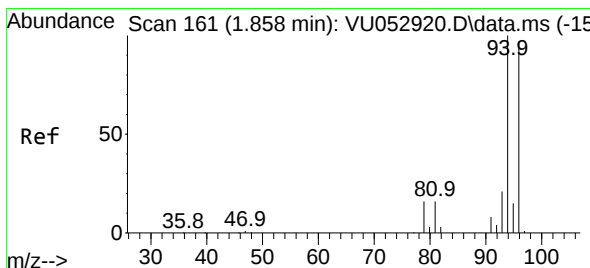
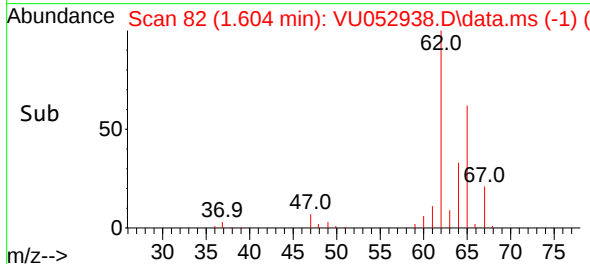
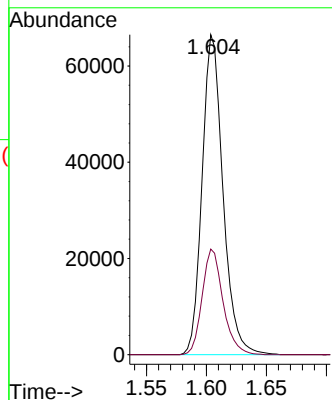


#5
 Vinyl chloride
 Concen: 43.685 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU052938.D
 Acq: 03 Feb 2023 11:57

Instrument :
 MSVOA_U
 ClientSampleId :

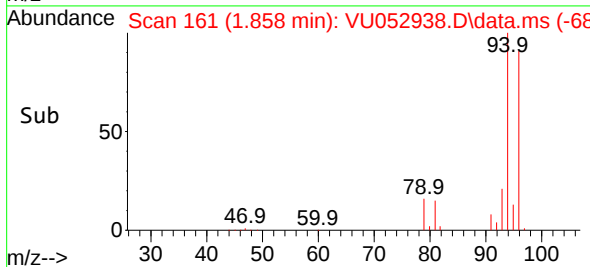
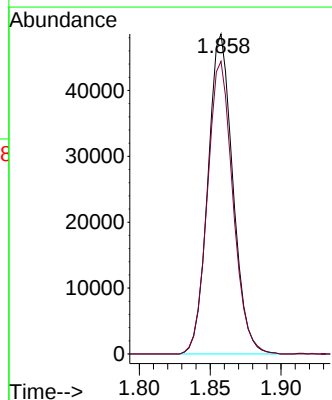
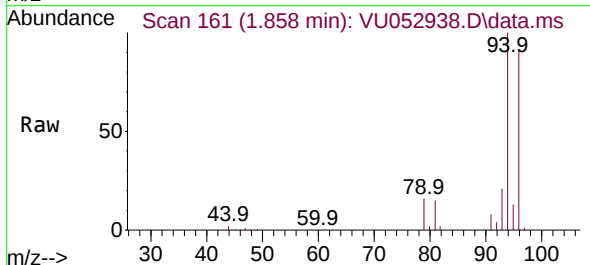


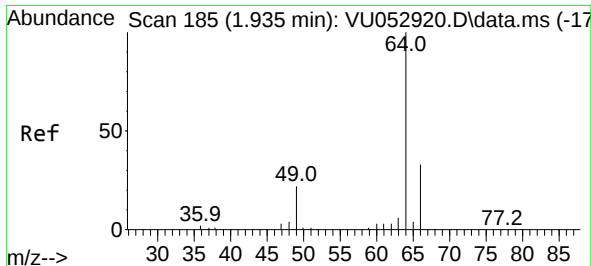
Tgt Ion: 62 Resp: 80711
 Ion Ratio Lower Upper
 62 100
 64 33.0 22.4 41.6



#6
 Bromomethane
 Concen: 50.992 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.000 min
 Lab File: VU052938.D
 Acq: 03 Feb 2023 11:57

Tgt Ion: 94 Resp: 59415
 Ion Ratio Lower Upper
 94 100
 96 91.5 67.8 125.8

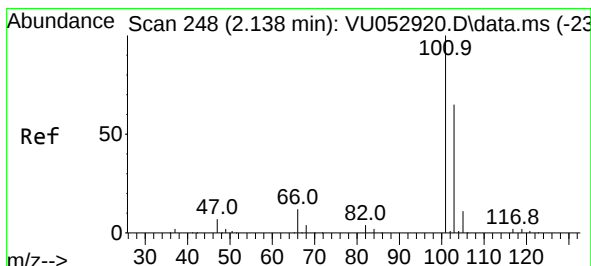
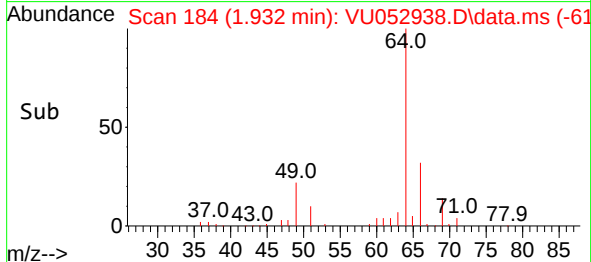
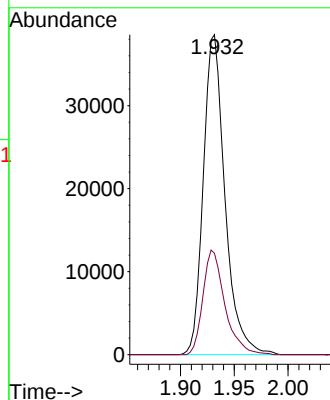
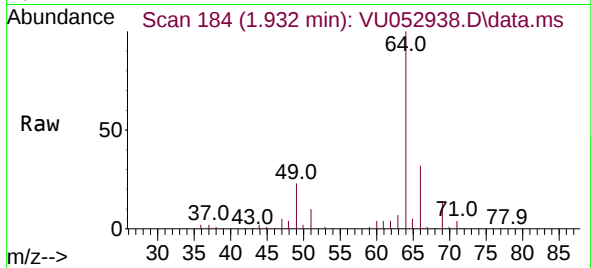




#8
Chloroethane
Concen: 46.603 ug/L
RT: 1.932 min Scan# 184
Delta R.T. -0.004 min
Lab File: VU052938.D
Acq: 03 Feb 2023 11:57

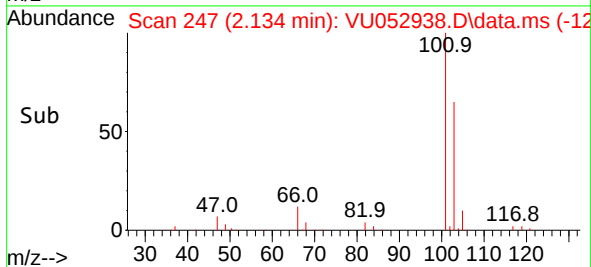
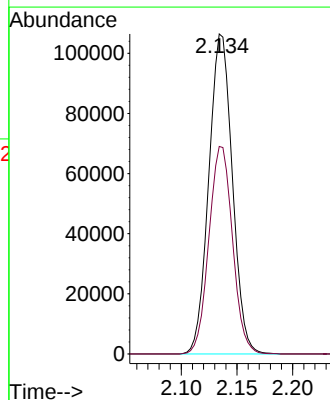
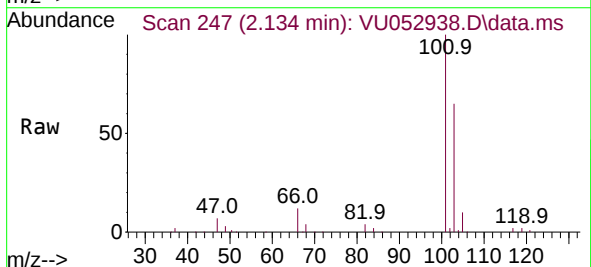
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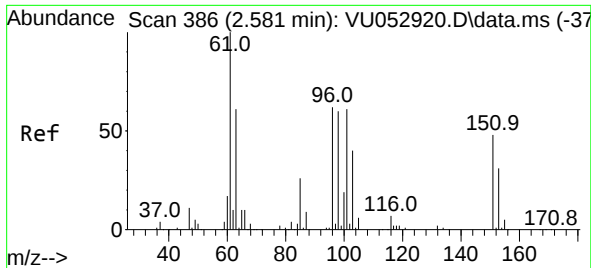
Tgt Ion: 64 Resp: 54080
Ion Ratio Lower Upper
64 100
66 31.7 24.1 44.7



#9
Trichlorofluoromethane
Concen: 50.605 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.004 min
Lab File: VU052938.D
Acq: 03 Feb 2023 11:57

Tgt Ion:101 Resp: 156601
Ion Ratio Lower Upper
101 100
103 65.0 52.0 78.0

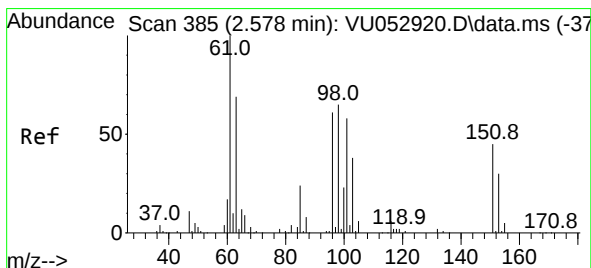
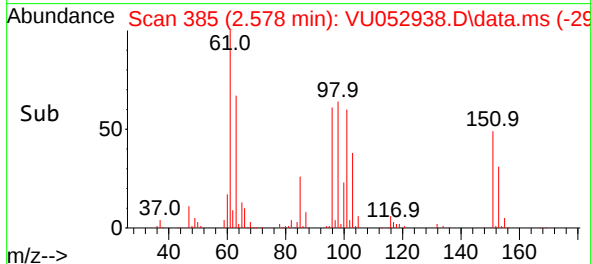
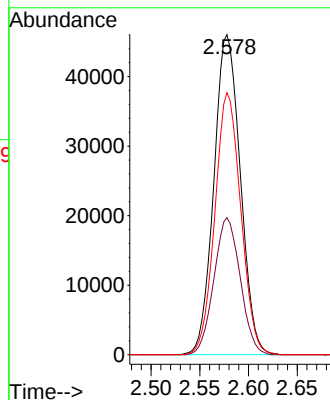
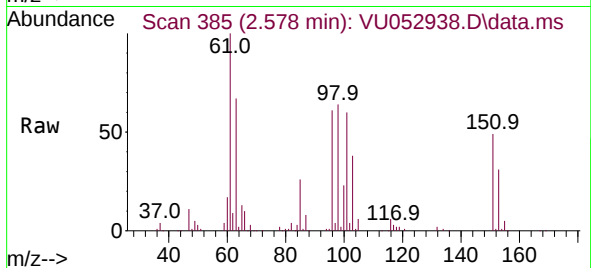




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 49.867 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.004 min
 Lab File: VU052938.D
 Acq: 03 Feb 2023 11:57

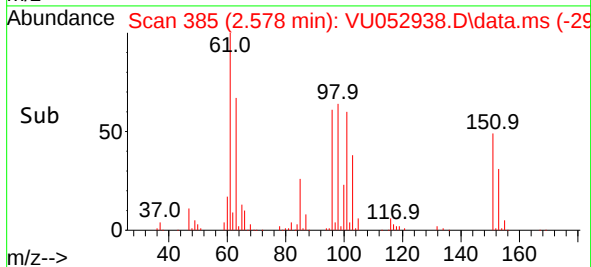
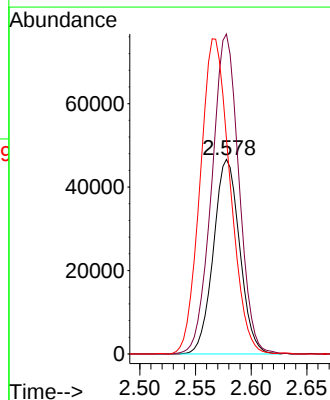
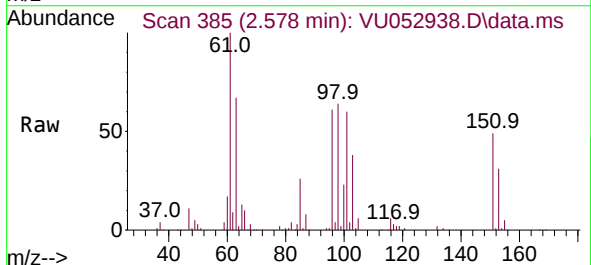
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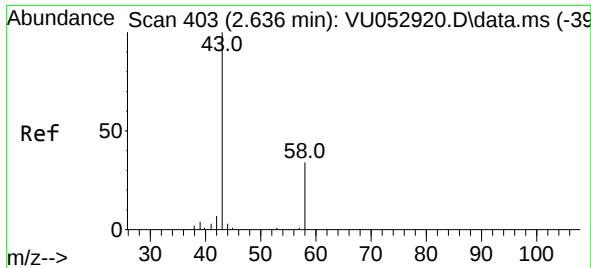
Tgt Ion:101 Resp: 86981
 Ion Ratio Lower Upper
 101 100
 85 42.5 32.9 49.3
 151 80.1 62.6 94.0



#12
 1,1-Dichloroethene
 Concen: 47.708 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU052938.D
 Acq: 03 Feb 2023 11:57

Tgt Ion: 96 Resp: 76318
 Ion Ratio Lower Upper
 96 100
 61 164.5 114.3 212.3
 63 110.7 80.6 149.6





#13

Acetone

Concen: 61.661 ug/L

RT: 2.632 min Scan# 403

Delta R.T. -0.004 min

Lab File: VU052938.D

Acq: 03 Feb 2023 11:57

Instrument :

MSVOA_U

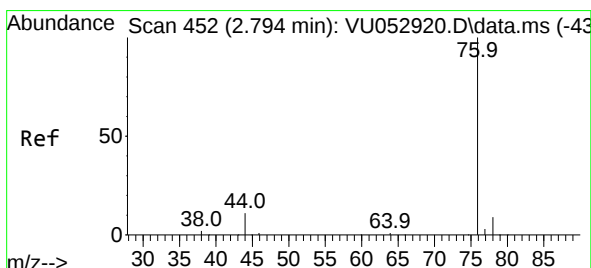
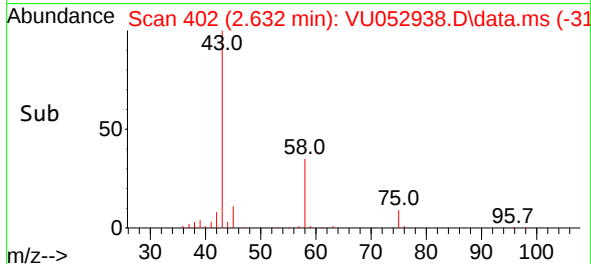
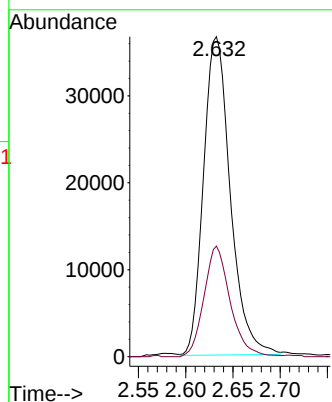
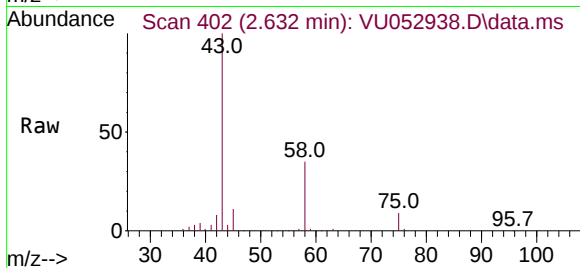
ClientSampleId :

Tgt Ion: 43 Resp: 72409

Ion Ratio Lower Upper

43 100

58 33.9 0.0 70.2



#14

Carbon disulfide

Concen: 45.015 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.004 min

Lab File: VU052938.D

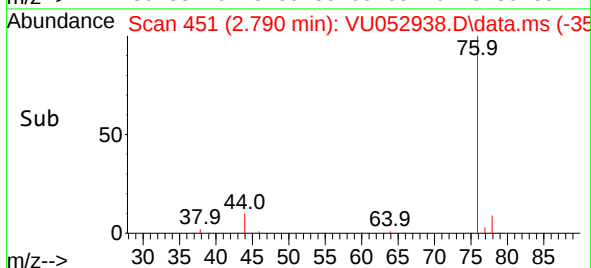
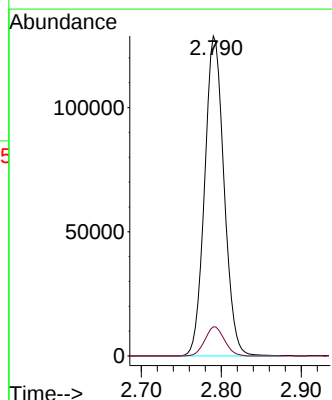
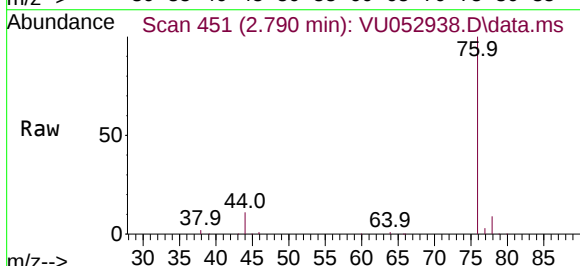
Acq: 03 Feb 2023 11:57

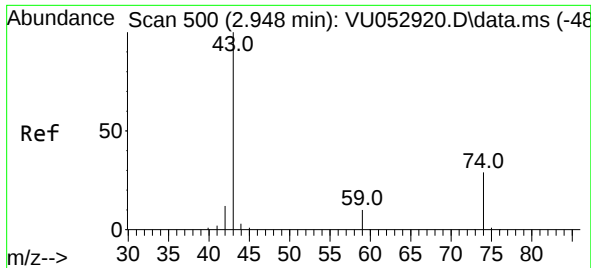
Tgt Ion: 76 Resp: 217490

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

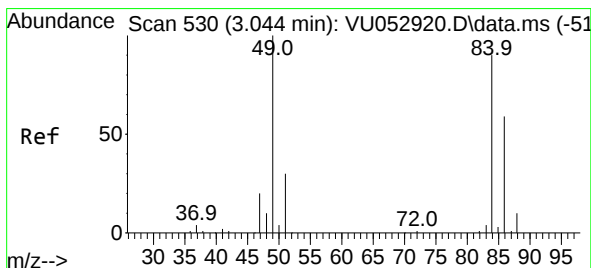
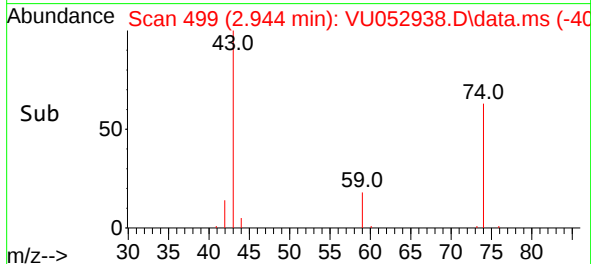
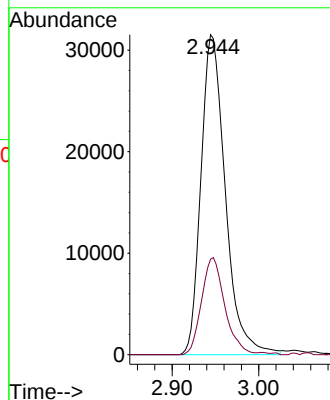
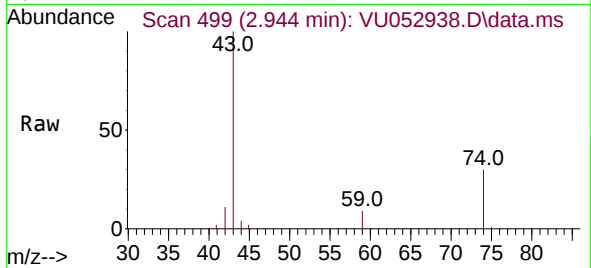




#15
Methyl Acetate
Concen: 38.968 ug/L
RT: 2.944 min Scan# 499
Delta R.T. -0.004 min
Lab File: VU052938.D
Acq: 03 Feb 2023 11:57

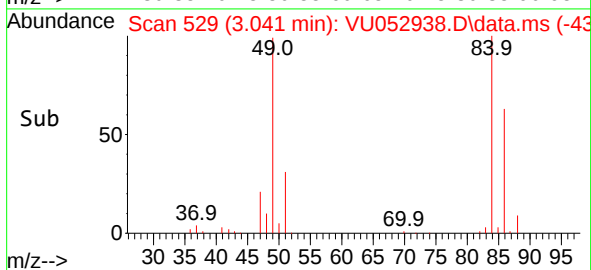
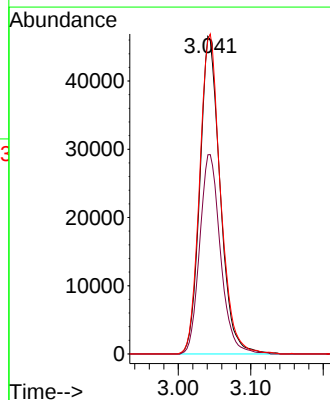
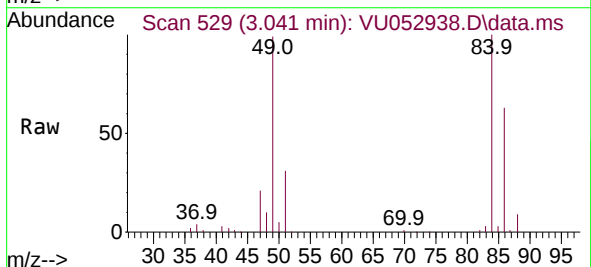
Instrument :
MSVOA_U
ClientSampleId :

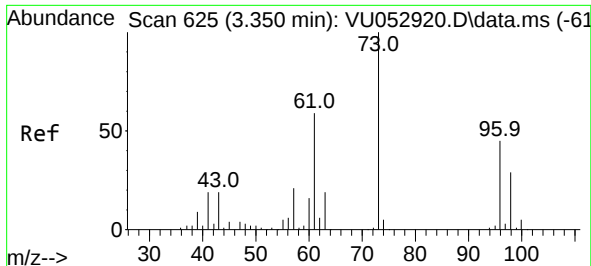
Tgt Ion: 43 Resp: 61656
Ion Ratio Lower Upper
43 100
74 28.9 22.0 33.0



#16
Methylene chloride
Concen: 47.512 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.004 min
Lab File: VU052938.D
Acq: 03 Feb 2023 11:57

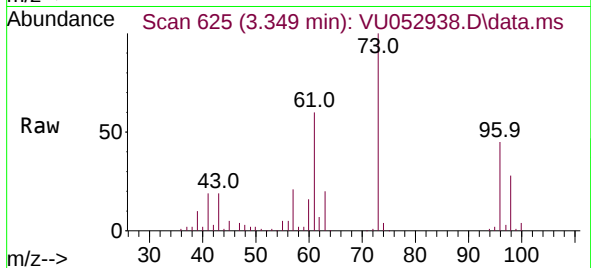
Tgt Ion: 84 Resp: 90413
Ion Ratio Lower Upper
84 100
86 62.7 43.4 80.6
49 99.0 72.4 134.5



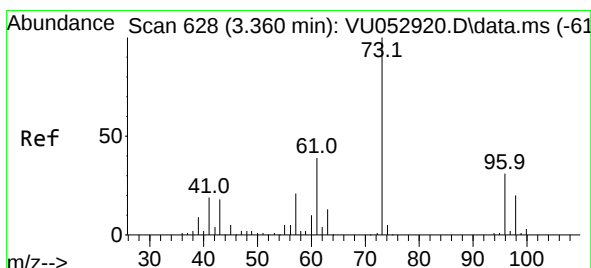
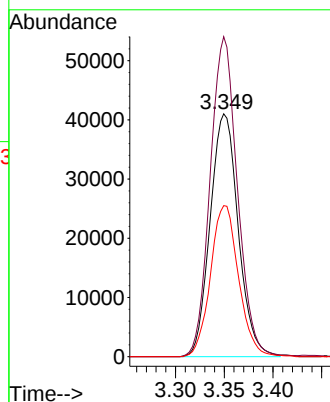
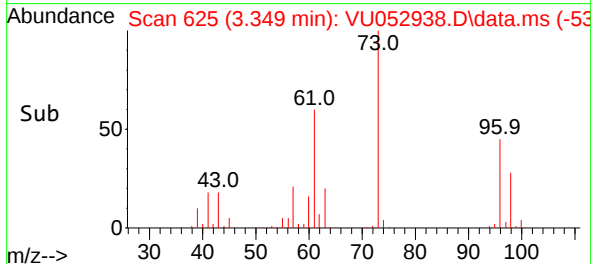


#17
trans-1,2-Dichloroethene
Concen: 47.637 ug/L
RT: 3.349 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU052938.D
Acq: 03 Feb 2023 11:57

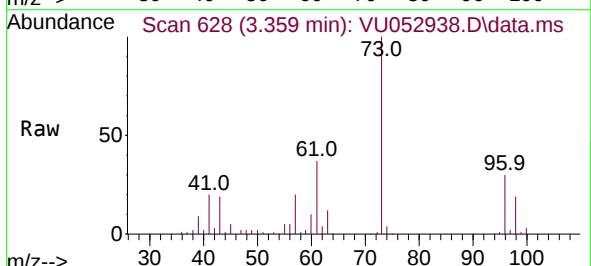
Instrument :
MSVOA_U
ClientSampleId :



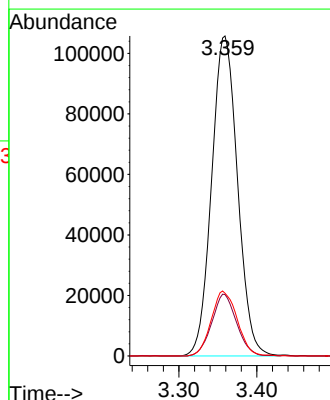
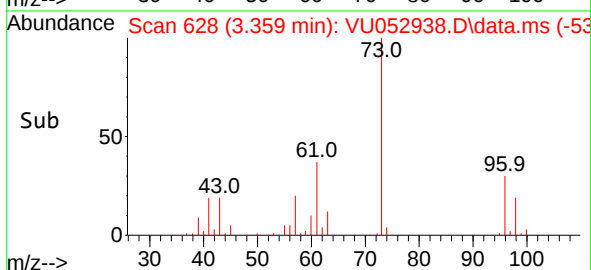
Tgt Ion: 96 Resp: 82352
Ion Ratio Lower Upper
96 100
61 131.8 92.7 172.3
98 62.2 44.7 82.9

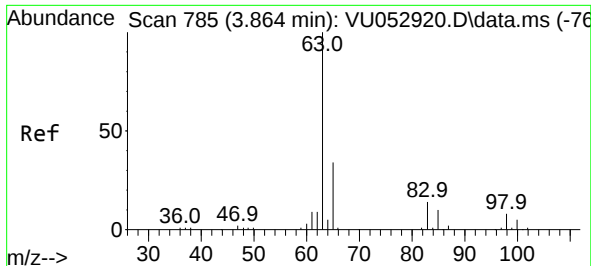


#18
Methyl tert-butyl Ether
Concen: 48.057 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.000 min
Lab File: VU052938.D
Acq: 03 Feb 2023 11:57



Tgt Ion: 73 Resp: 244290
Ion Ratio Lower Upper
73 100
43 18.5 14.2 21.2
57 20.2 16.3 24.5





#19

1,1-Dichloroethane

Concen: 47.932 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.000 min

Lab File: VU052938.D

Acq: 03 Feb 2023 11:57

Instrument :

MSVOA_U

ClientSampleId :

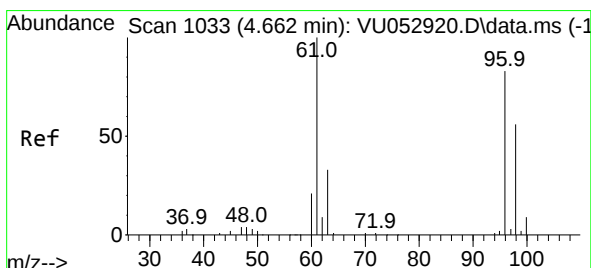
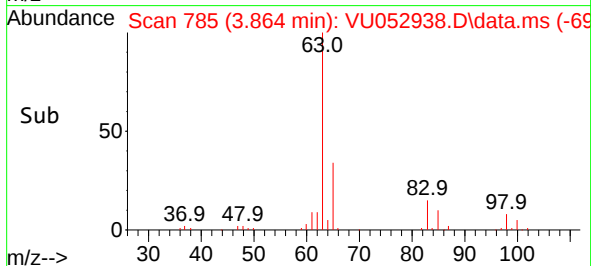
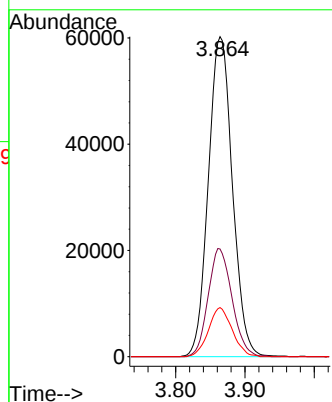
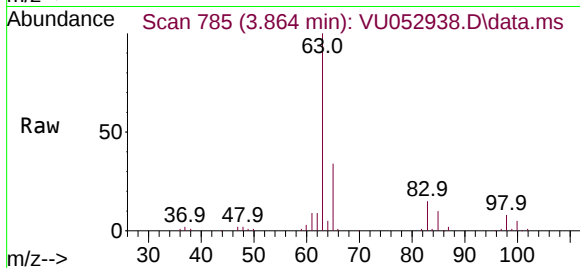
Tgt Ion: 63 Resp: 145325

Ion Ratio Lower Upper

63 100

65 33.7 22.4 41.6

83 15.3 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 47.885 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU052938.D

Acq: 03 Feb 2023 11:57

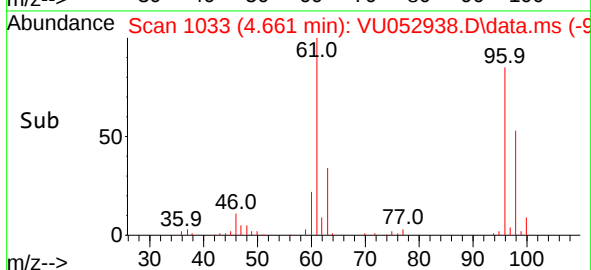
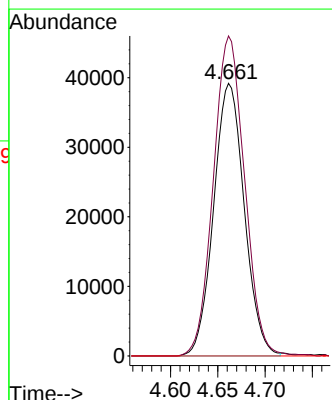
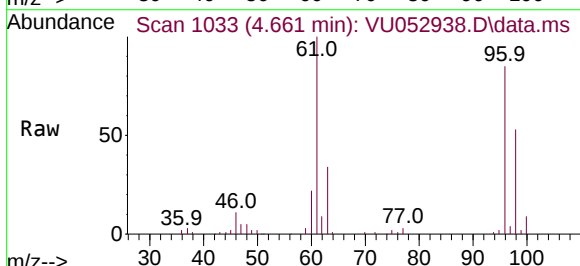
Tgt Ion: 96 Resp: 88385

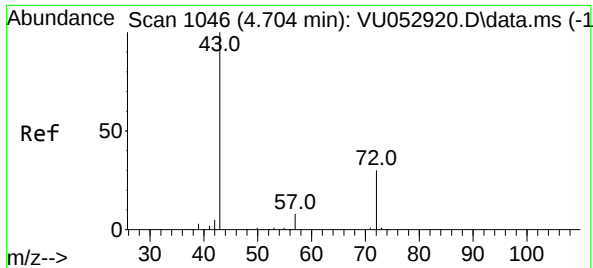
Ion Ratio Lower Upper

96 100

61 117.4 84.1 156.1

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 70.380 ug/L

RT: 4.700 min Scan# 1046

Delta R.T. -0.004 min

Lab File: VU052938.D

Acq: 03 Feb 2023 11:57

Instrument :

MSVOA_U

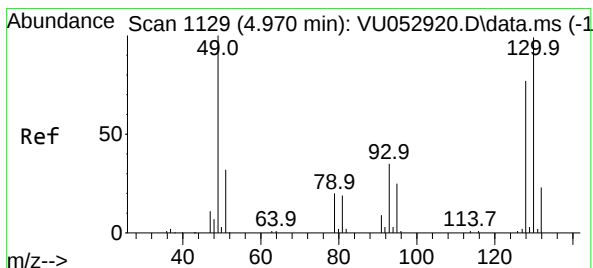
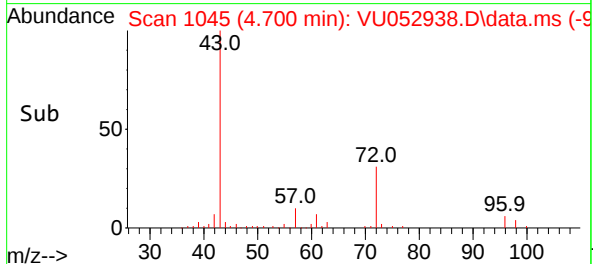
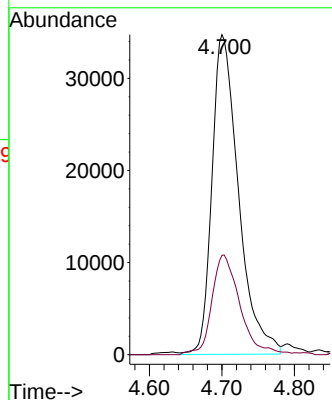
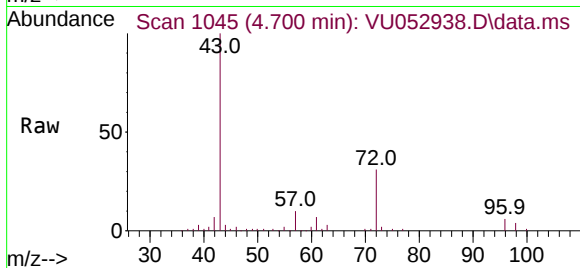
ClientSampleId :

Tgt Ion: 43 Resp: 88339

Ion Ratio Lower Upper

43 100

72 32.0 15.5 46.5



#23

Bromochloromethane

Concen: 48.416 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VU052938.D

Acq: 03 Feb 2023 11:57

Tgt Ion: 128 Resp: 50182

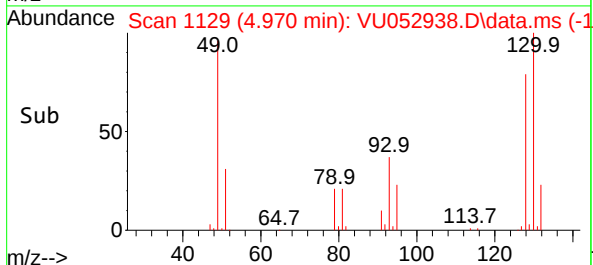
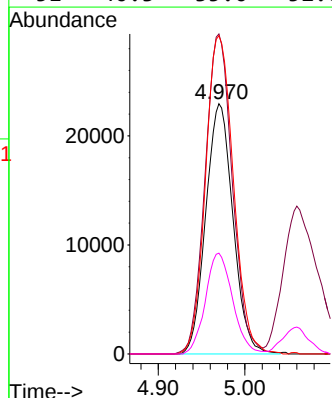
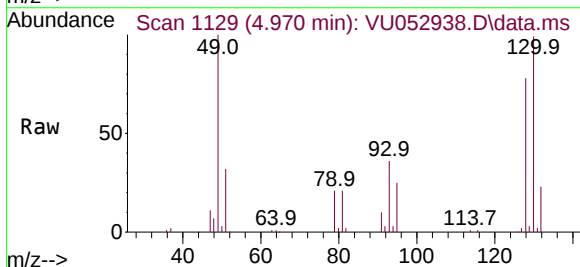
Ion Ratio Lower Upper

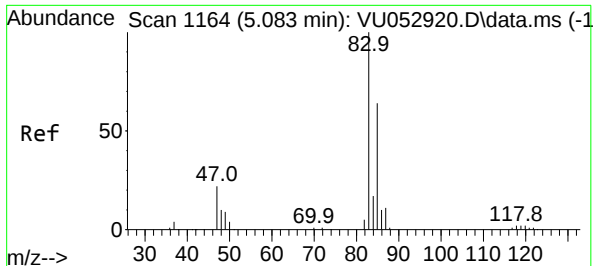
128 100

49 127.9 90.1 167.3

130 127.2 90.1 167.3

51 40.3 35.0 52.6





#25

Chloroform

Concen: 50.545 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU052938.D

Acq: 03 Feb 2023 11:57

Instrument :

MSVOA_U

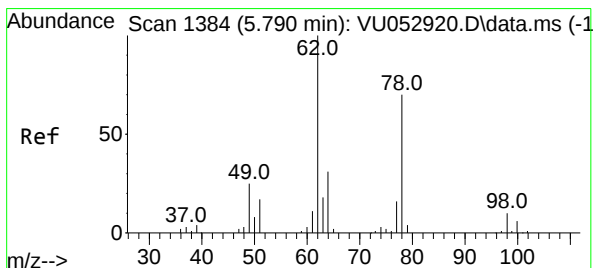
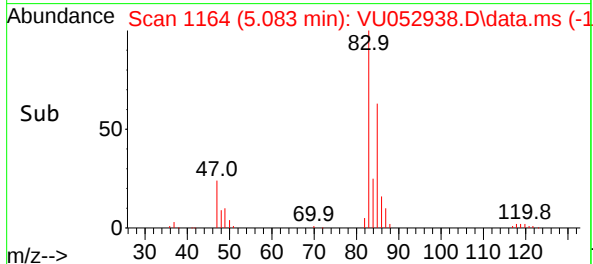
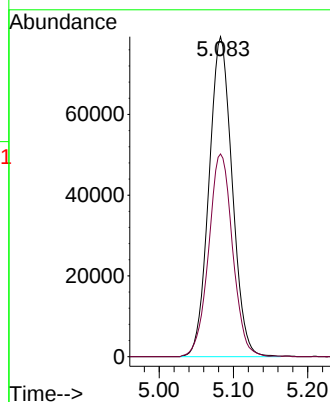
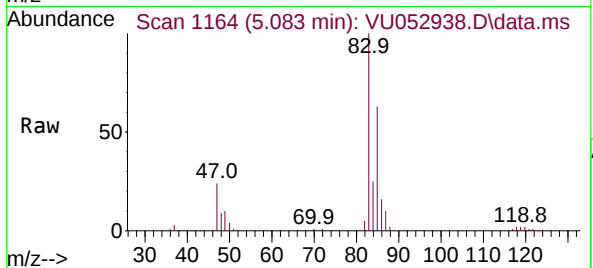
ClientSampleId :

Tgt Ion: 83 Resp: 172034

Ion Ratio Lower Upper

83 100

85 63.3 45.8 85.0



#27

1,2-Dichloroethane

Concen: 49.863 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.004 min

Lab File: VU052938.D

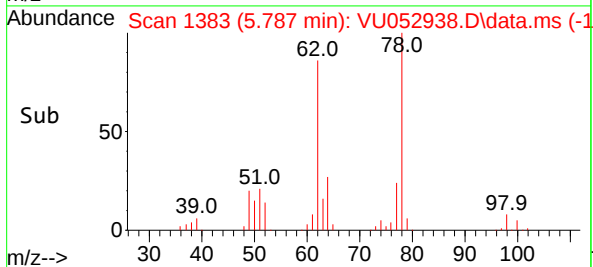
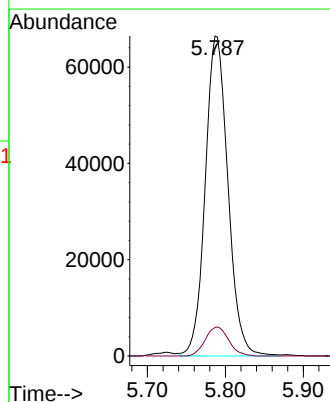
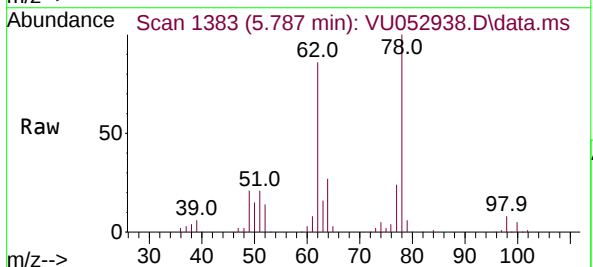
Acq: 03 Feb 2023 11:57

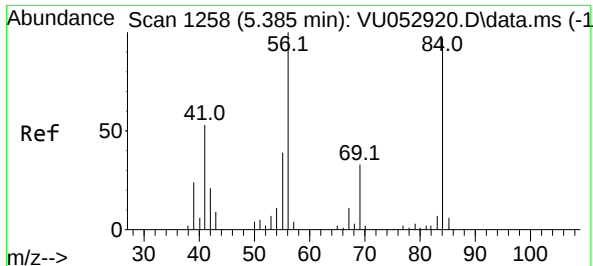
Tgt Ion: 62 Resp: 134355

Ion Ratio Lower Upper

62 100

98 8.9 7.6 11.4





#29

Cyclohexane

Concen: 46.769 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VU052938.D

Acq: 03 Feb 2023 11:57

Instrument :

MSVOA_U

ClientSampleId :

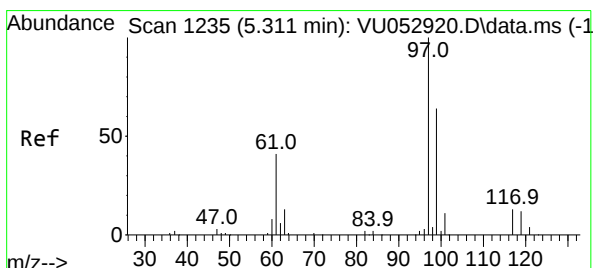
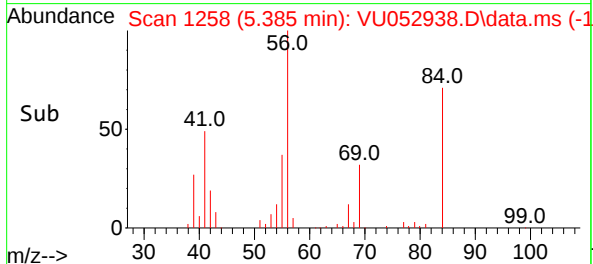
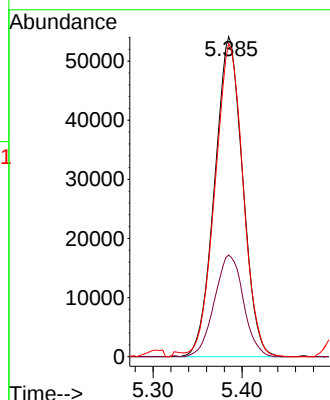
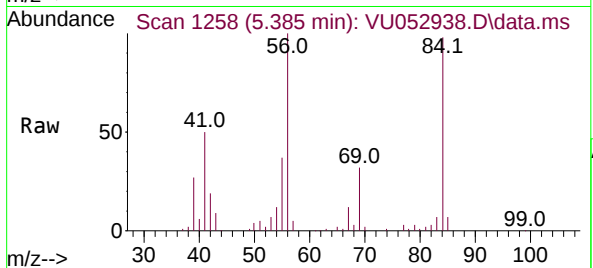
Tgt Ion: 56 Resp: 118290

Ion Ratio Lower Upper

56 100

69 32.7 26.6 40.0

84 98.0 77.0 115.4



#30

1,1,1-Trichloroethane

Concen: 49.569 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.000 min

Lab File: VU052938.D

Acq: 03 Feb 2023 11:57

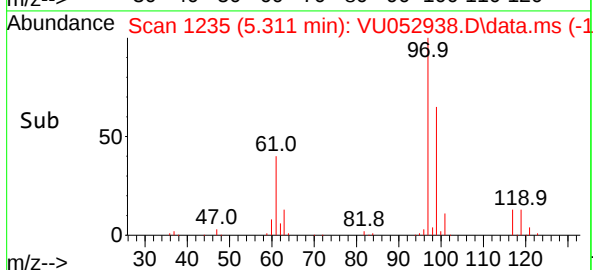
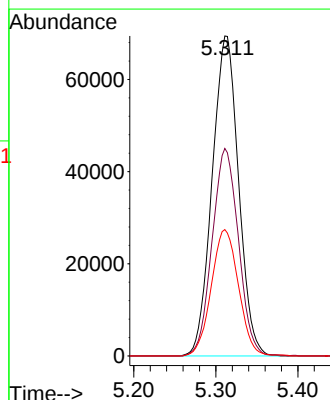
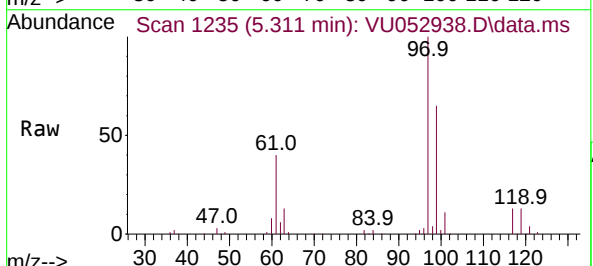
Tgt Ion: 97 Resp: 155624

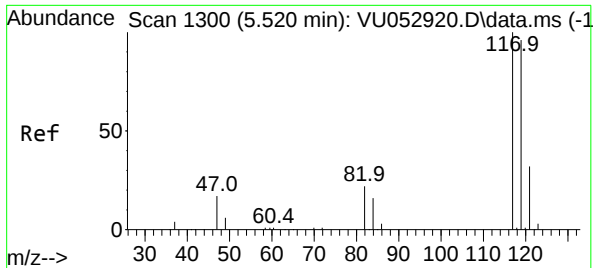
Ion Ratio Lower Upper

97 100

99 64.4 51.4 77.0

61 40.6 33.0 49.6

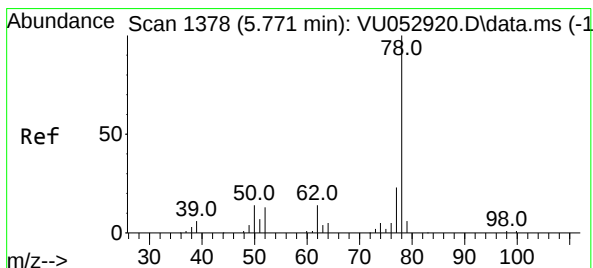
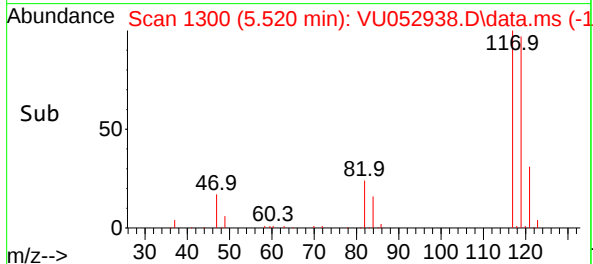
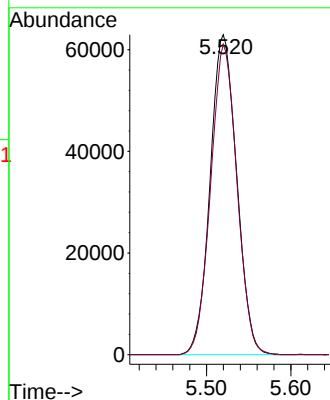
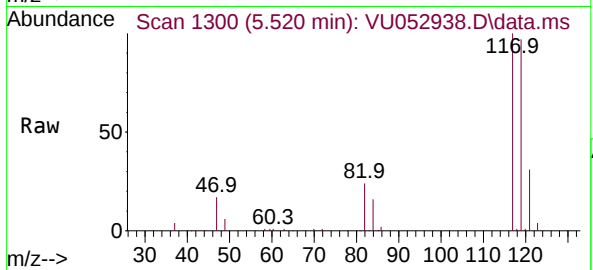




#31
Carbon tetrachloride
Concen: 50.569 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VU052938.D
Acq: 03 Feb 2023 11:57

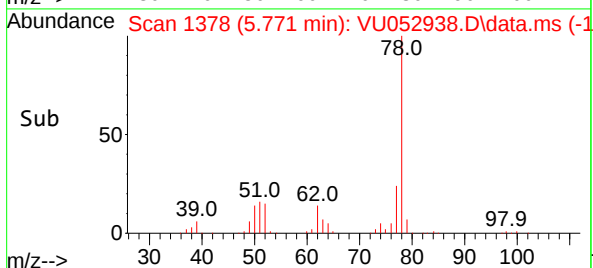
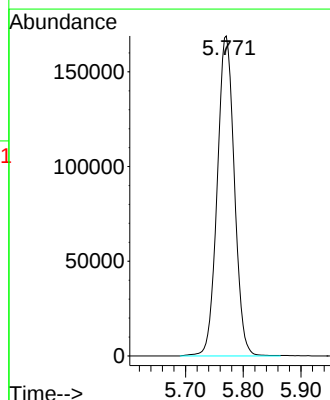
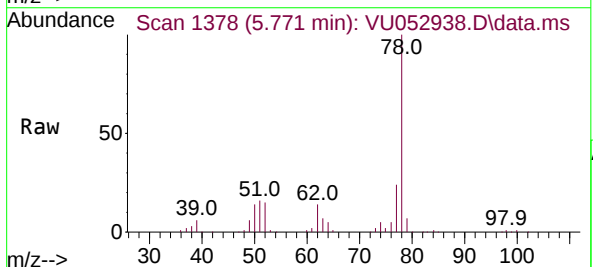
Instrument :
MSVOA_U
ClientSampleId :

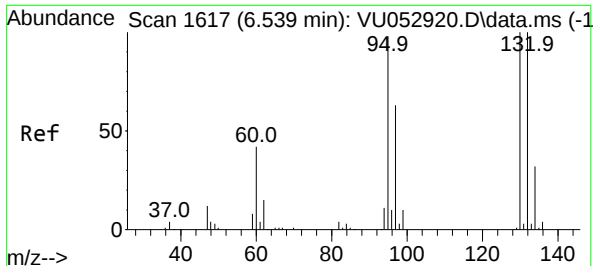
Tgt Ion:117 Resp: 137625
Ion Ratio Lower Upper
117 100
119 96.0 76.2 114.4



#33
Benzene
Concen: 47.973 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU052938.D
Acq: 03 Feb 2023 11:57

Tgt Ion: 78 Resp: 348545





#34

Trichloroethene

Concen: 46.529 ug/L

RT: 6.539 min Scan# 1

Delta R.T. -0.000 min

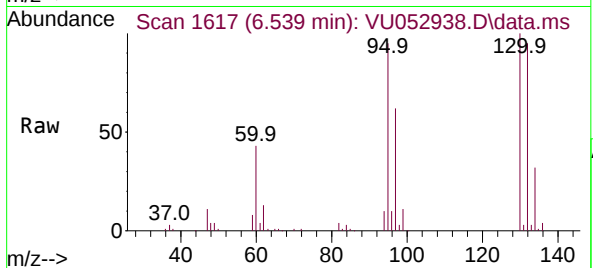
Lab File: VU052938.D

Acq: 03 Feb 2023 11:57

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 85923

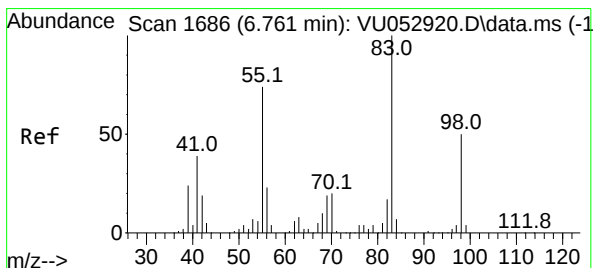
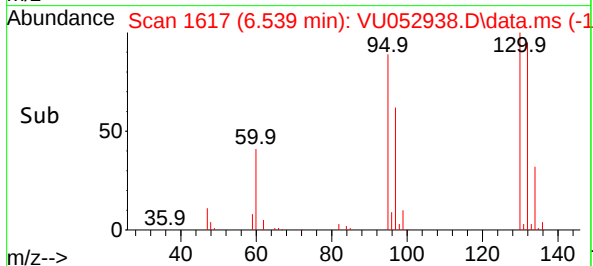
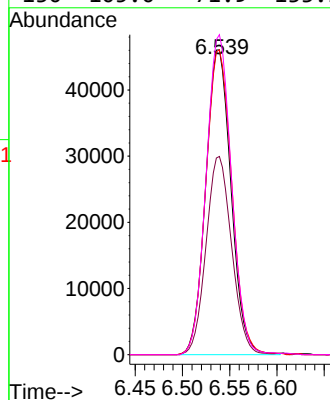
Ion Ratio Lower Upper

95 100

97 65.1 44.5 82.7

132 100.1 66.8 124.0

130 105.0 71.9 133.5



#35

Methylcyclohexane

Concen: 47.217 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. -0.000 min

Lab File: VU052938.D

Acq: 03 Feb 2023 11:57

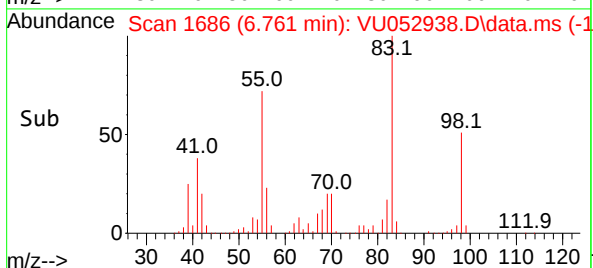
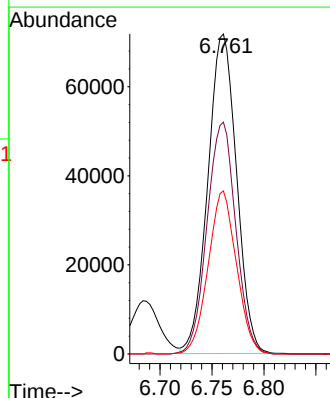
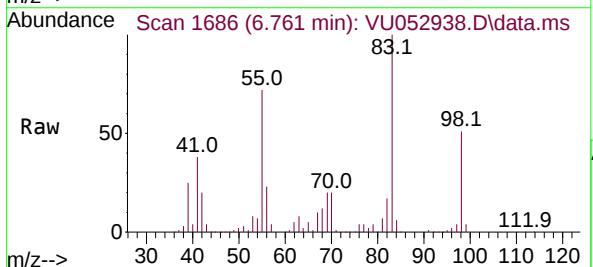
Tgt Ion: 83 Resp: 138006

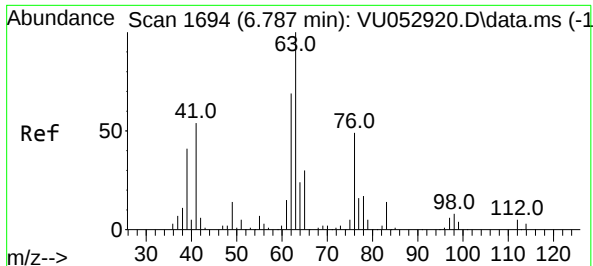
Ion Ratio Lower Upper

83 100

55 72.8 57.1 85.7

98 50.3 38.9 58.3

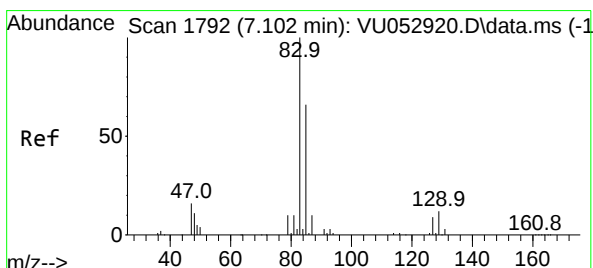
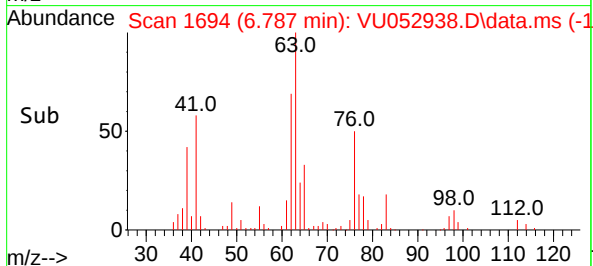
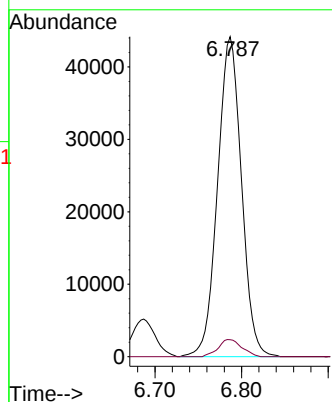
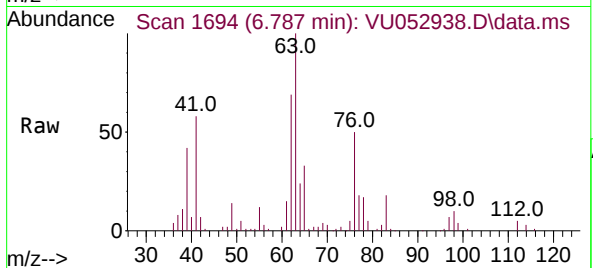




#37
1,2-Dichloropropane
Concen: 47.342 ug/L
RT: 6.787 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU052938.D
Acq: 03 Feb 2023 11:57

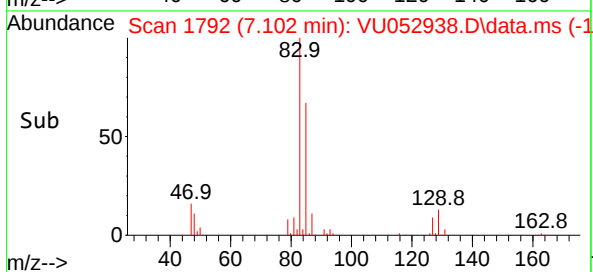
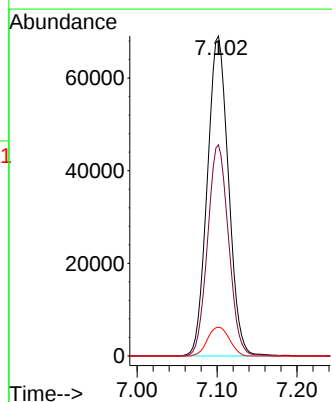
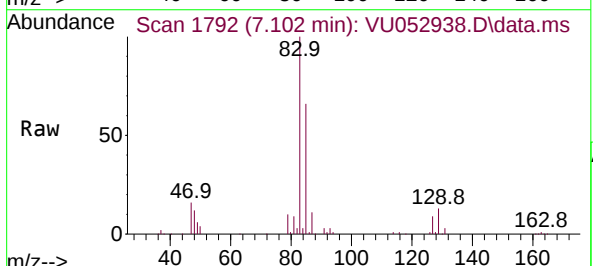
Instrument :
MSVOA_U
ClientSampleId :

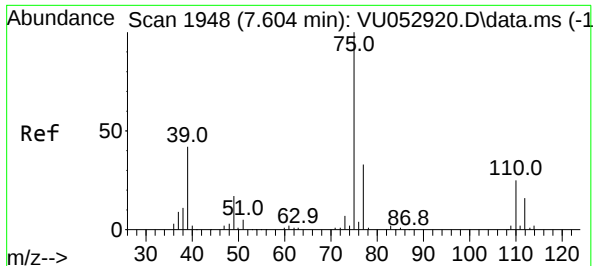
Tgt Ion: 63 Resp: 84563
Ion Ratio Lower Upper
63 100
112 5.3 3.8 5.8



#38
Bromodichloromethane
Concen: 48.504 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VU052938.D
Acq: 03 Feb 2023 11:57

Tgt Ion: 83 Resp: 127140
Ion Ratio Lower Upper
83 100
85 66.0 45.2 84.0
127 9.0 7.4 11.0

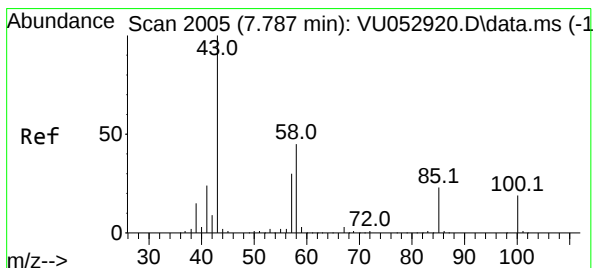
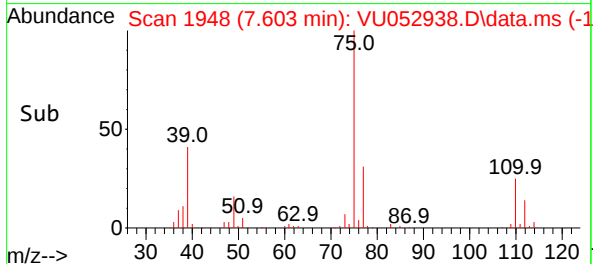
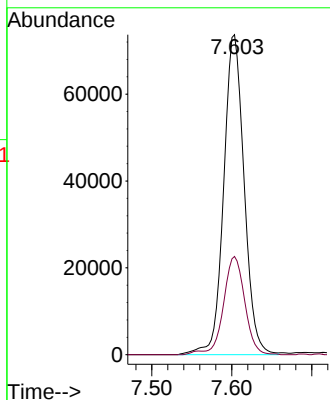
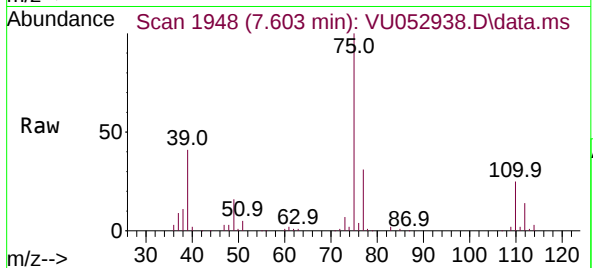




#39
 cis-1,3-Dichloropropene
 Concen: 46.812 ug/L
 RT: 7.603 min Scan# 1948
 Delta R.T. -0.000 min
 Lab File: VU052938.D
 Acq: 03 Feb 2023 11:57

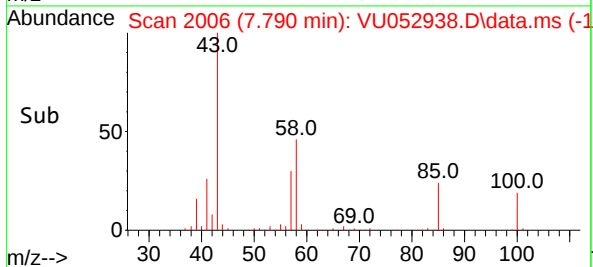
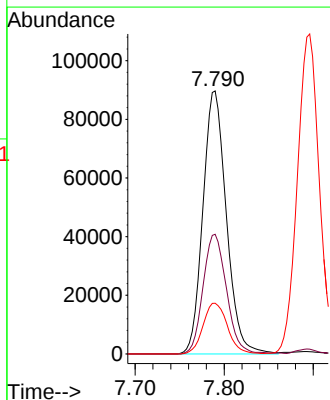
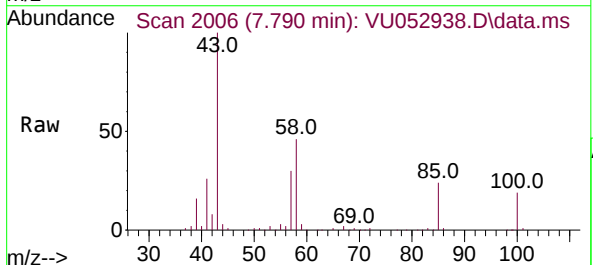
Instrument :
 MSVOA_U
 ClientSampleId :

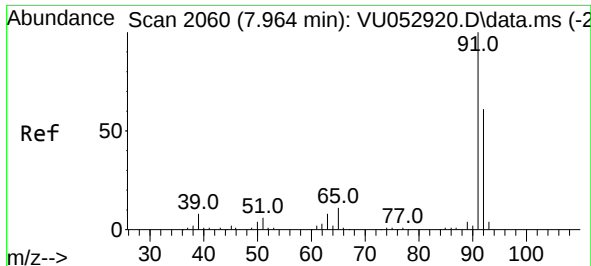
Tgt Ion: 75 Resp: 130984
 Ion Ratio Lower Upper
 75 100
 77 30.7 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 78.021 ug/L
 RT: 7.790 min Scan# 2006
 Delta R.T. 0.003 min
 Lab File: VU052938.D
 Acq: 03 Feb 2023 11:57

Tgt Ion: 43 Resp: 164190
 Ion Ratio Lower Upper
 43 100
 58 45.4 35.4 53.2
 100 20.1 16.0 24.0





#42

Toluene

Concen: 49.875 ug/L

RT: 7.967 min Scan# 2060

Delta R.T. 0.003 min

Lab File: VU052938.D

Acq: 03 Feb 2023 11:57

Instrument :

MSVOA_U

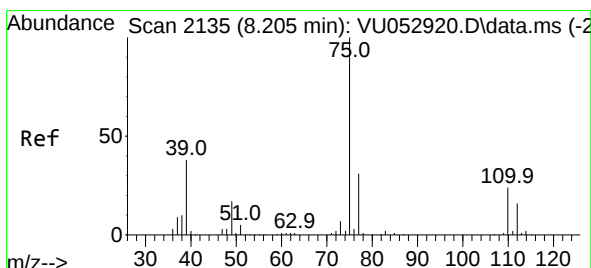
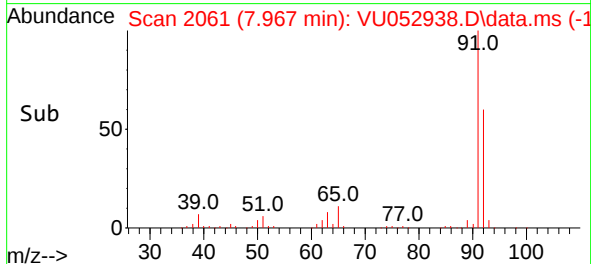
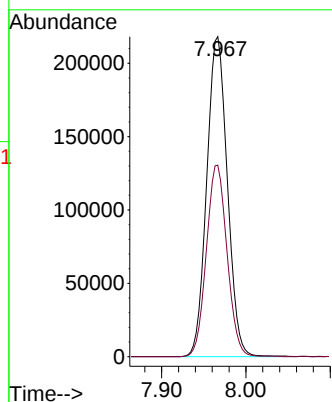
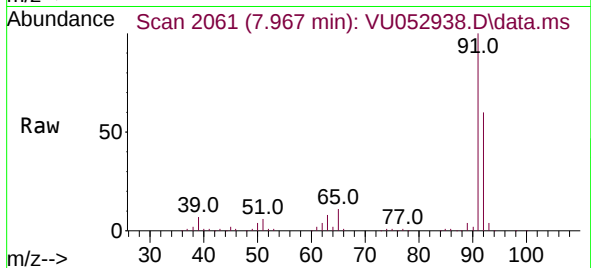
ClientSampleId :

Tgt Ion: 91 Resp: 371380

Ion Ratio Lower Upper

91 100

92 59.8 42.6 79.0



#44

trans-1,3-Dichloropropene

Concen: 47.511 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU052938.D

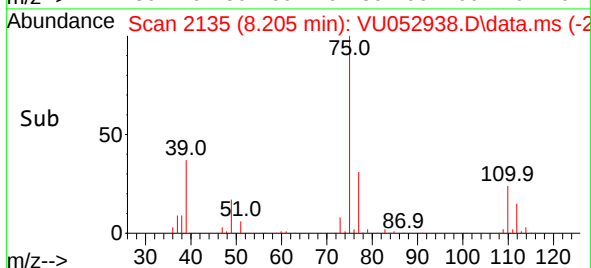
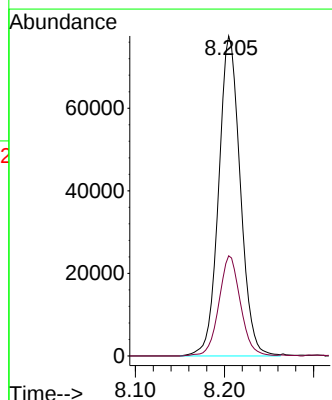
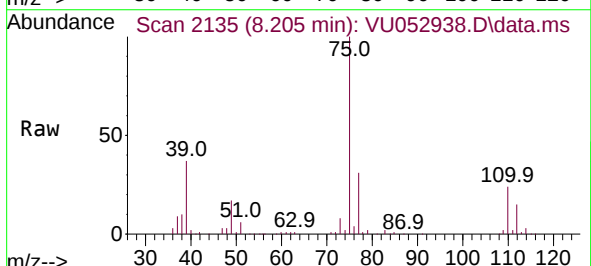
Acq: 03 Feb 2023 11:57

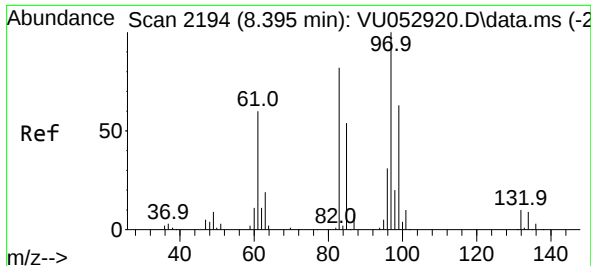
Tgt Ion: 75 Resp: 130645

Ion Ratio Lower Upper

75 100

77 31.3 22.3 41.3

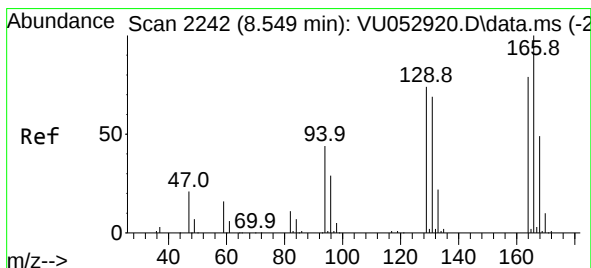
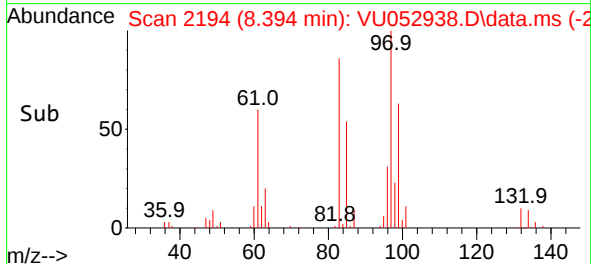
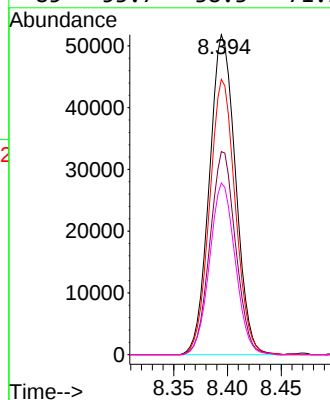
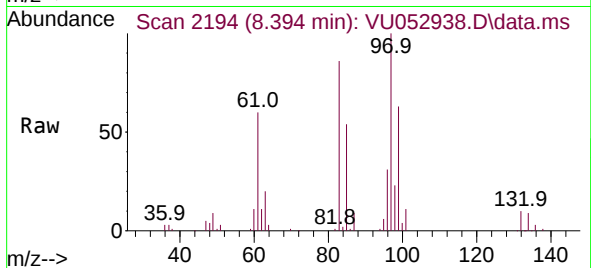




#45
1,1,2-Trichloroethane
Concen: 48.072 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU052938.D
Acq: 03 Feb 2023 11:57

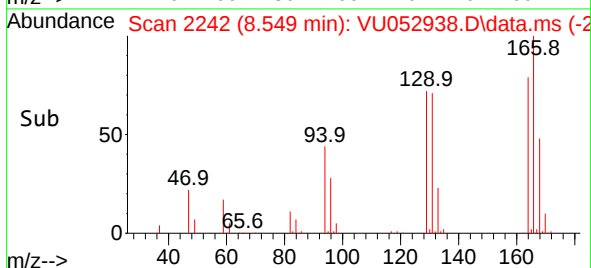
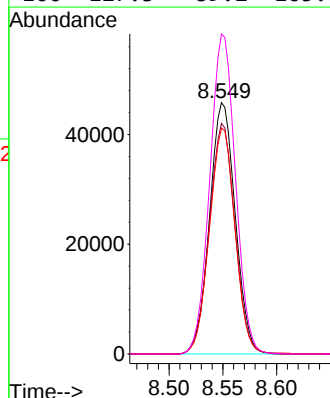
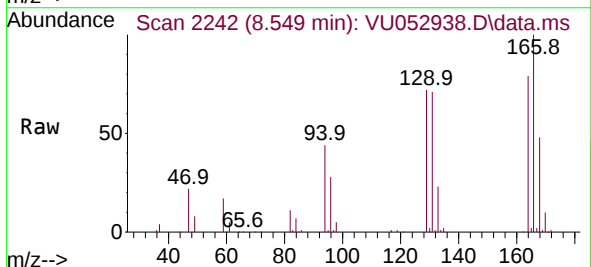
Instrument :
MSVOA_U
ClientSampleId :

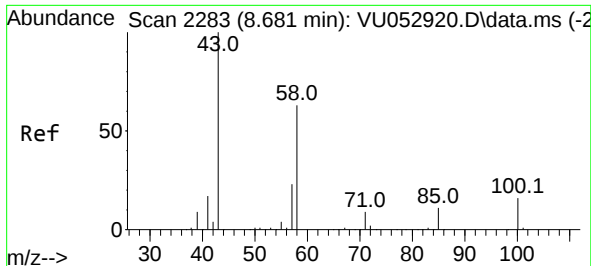
Tgt Ion:	97	Resp:	87810
Ion	Ratio	Lower	Upper
97	100		
99	63.5	44.7	83.1
83	86.1	60.3	112.1
85	53.7	38.3	71.1



#46
Tetrachloroethene
Concen: 47.893 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU052938.D
Acq: 03 Feb 2023 11:57

Tgt Ion:	164	Resp:	76156
Ion	Ratio	Lower	Upper
164	100		
129	91.7	64.8	120.3
131	89.9	61.2	113.6
166	127.3	89.2	165.8

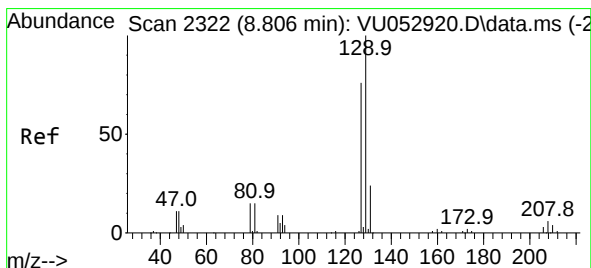
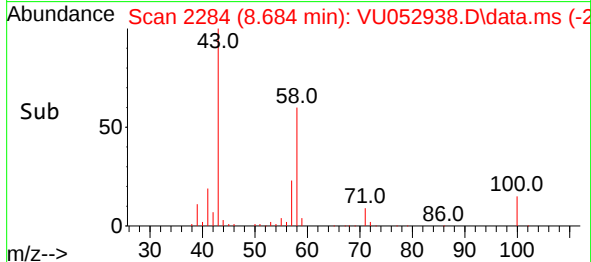
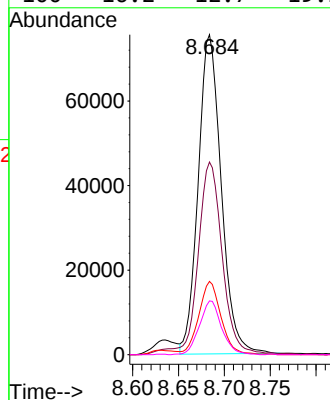
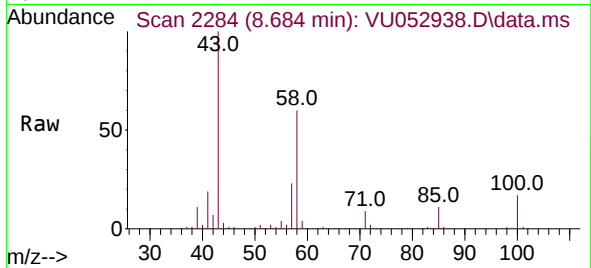




#48
2-Hexanone
Concen: 74.223 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU052938.D
Acq: 03 Feb 2023 11:57

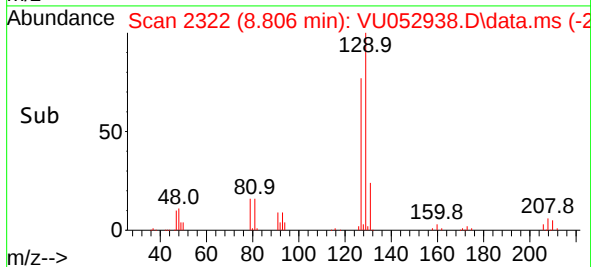
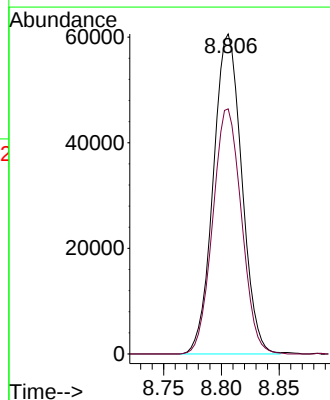
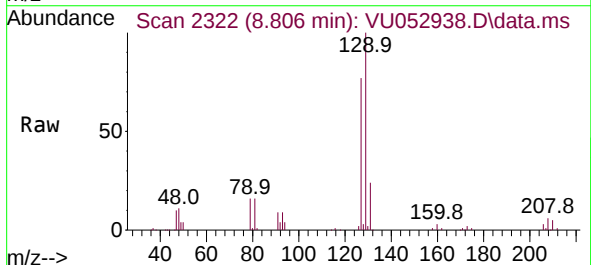
Instrument :
MSVOA_U
ClientSampleId :

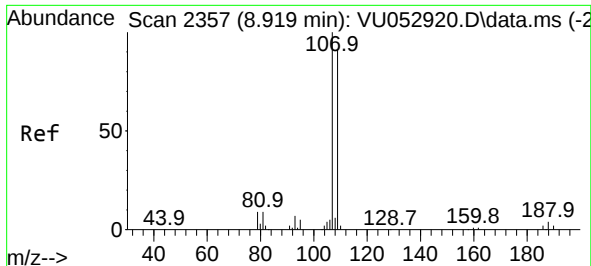
Tgt Ion: 43	Resp: 132140
Ion Ratio	Lower Upper
43 100	
58 63.4	48.0 72.0
57 21.8	16.8 25.2
100 16.2	12.7 19.1



#49
Dibromochloromethane
Concen: 47.608 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU052938.D
Acq: 03 Feb 2023 11:57

Tgt Ion:129	Resp: 103994		
Ion Ratio	Lower	Upper	
129 100			
127 76.6	53.2	98.8	





#50

1,2-Dibromoethane

Concen: 46.553 ug/L

RT: 8.918 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU052938.D

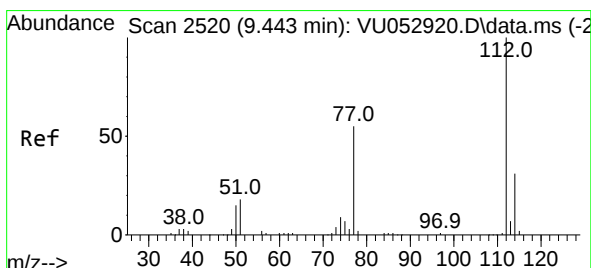
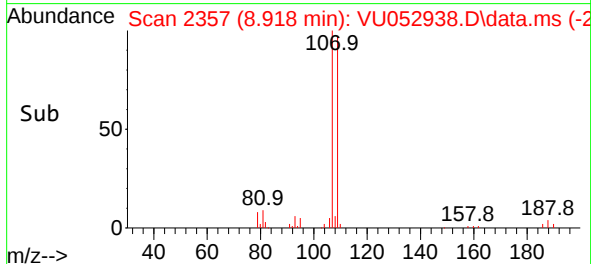
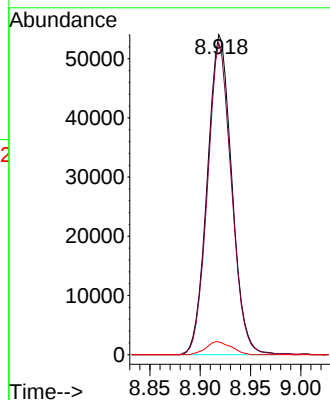
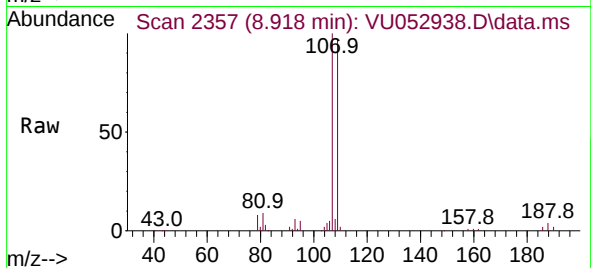
Acq: 03 Feb 2023 11:57

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:107	Resp:	91521
Ion	Ratio	Lower Upper
107	100	
109	97.4	65.5 121.6
188	4.0	3.2 4.8



#51

Chlorobenzene

Concen: 47.267 ug/L

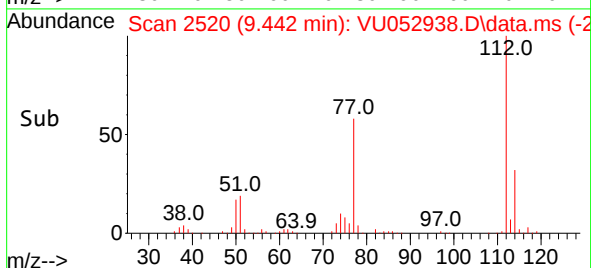
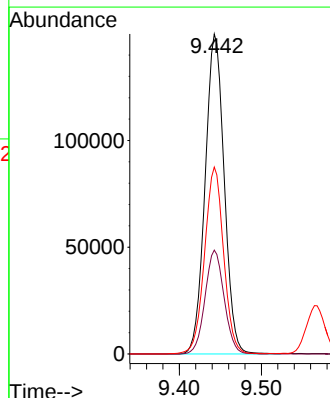
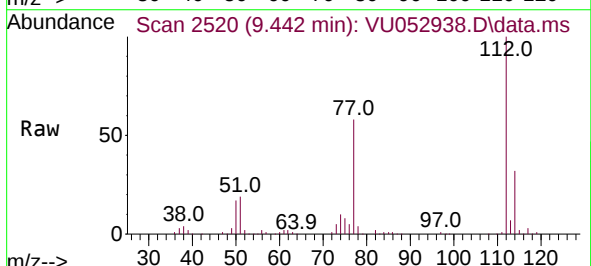
RT: 9.442 min Scan# 2520

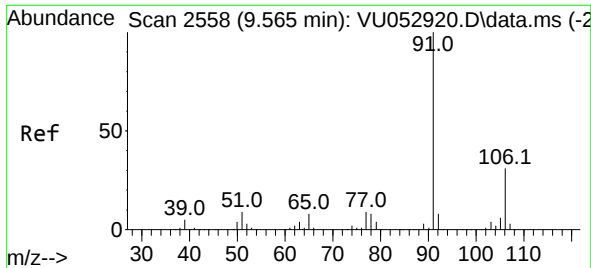
Delta R.T. -0.000 min

Lab File: VU052938.D

Acq: 03 Feb 2023 11:57

Tgt Ion:112	Resp:	242145
Ion	Ratio	Lower Upper
112	100	
114	32.5	22.8 42.4
77	58.4	45.9 68.9

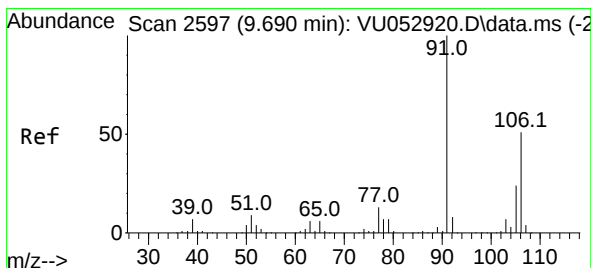
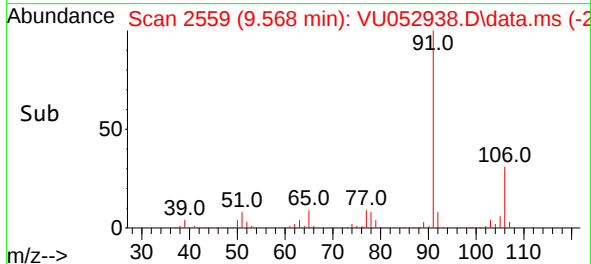
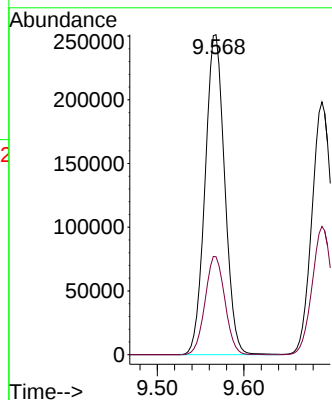
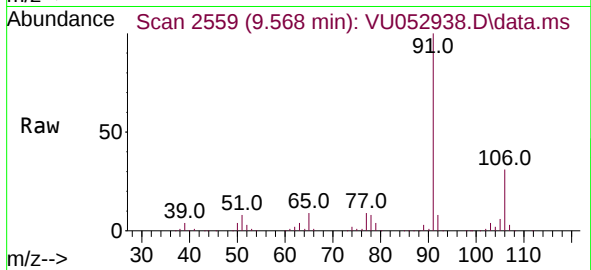




#52
Ethylbenzene
Concen: 49.608 ug/L
RT: 9.568 min Scan# 2558
Delta R.T. 0.003 min
Lab File: VU052938.D
Acq: 03 Feb 2023 11:57

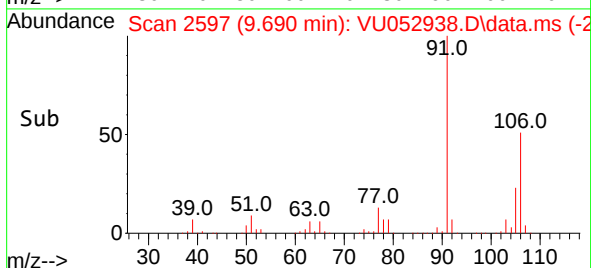
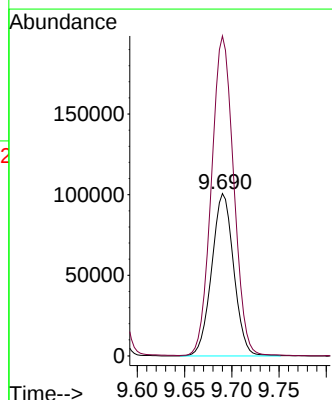
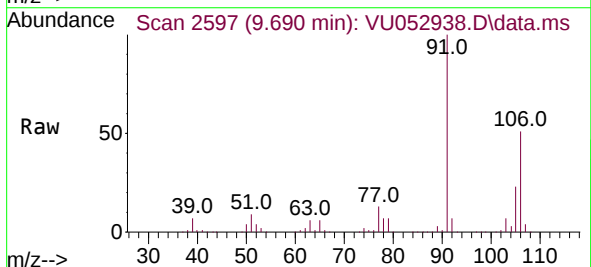
Instrument :
MSVOA_U
ClientSampleId :

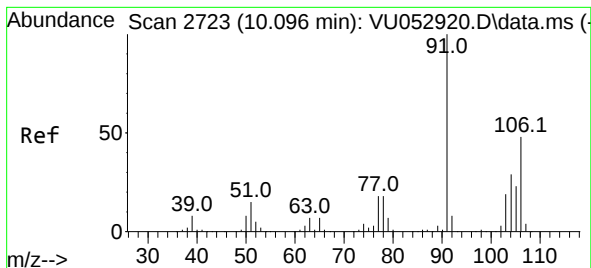
Tgt Ion: 91 Resp: 394758
Ion Ratio Lower Upper
91 100
106 30.6 22.0 40.8



#53
m,p-Xylene
Concen: 50.627 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU052938.D
Acq: 03 Feb 2023 11:57

Tgt Ion: 106 Resp: 163092
Ion Ratio Lower Upper
106 100
91 197.1 137.4 255.2





#54

o-xylene

Concen: 50.689 ug/L

RT: 10.098 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU052938.D

Acq: 03 Feb 2023 11:57

Instrument :

MSVOA_U

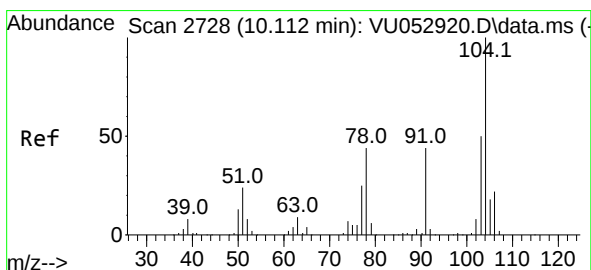
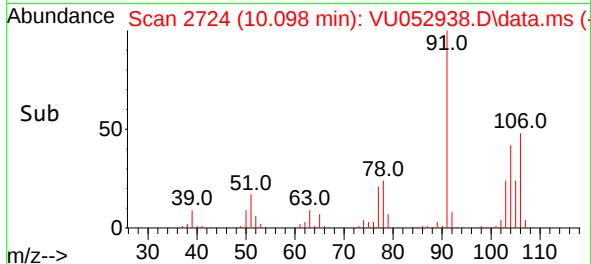
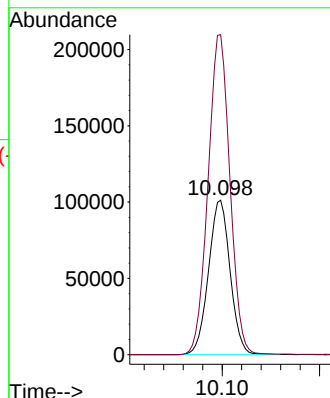
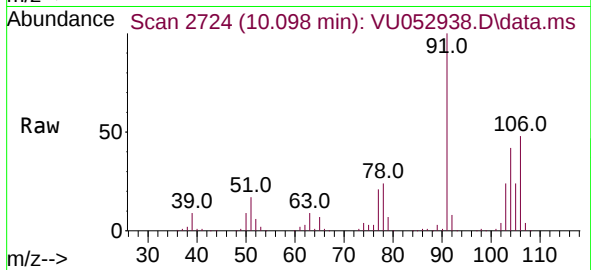
ClientSampleId :

Tgt Ion:106 Resp: 155889

Ion Ratio Lower Upper

106 100

91 207.3 143.4 266.2



#55

Styrene

Concen: 51.711 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. -0.000 min

Lab File: VU052938.D

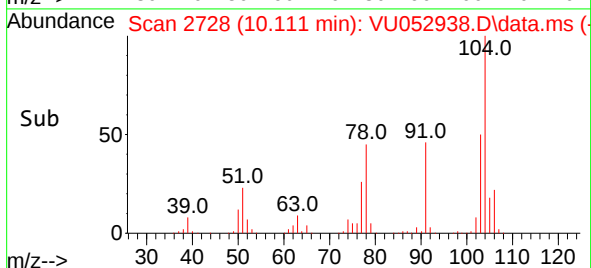
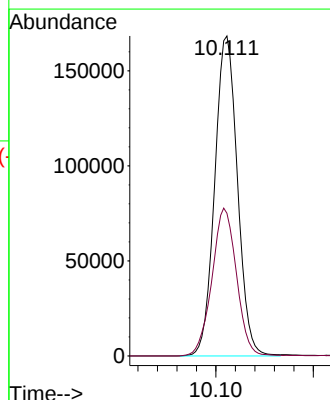
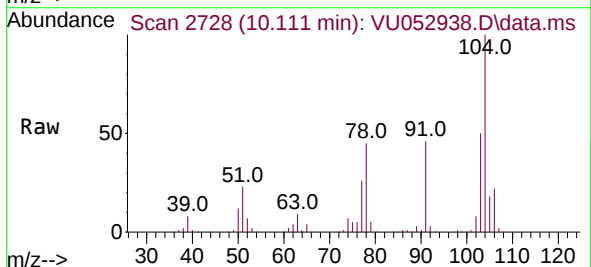
Acq: 03 Feb 2023 11:57

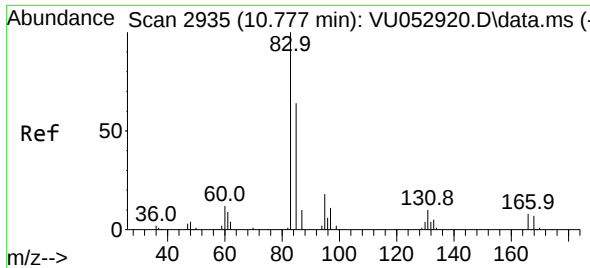
Tgt Ion:104 Resp: 272896

Ion Ratio Lower Upper

104 100

78 44.6 31.9 59.2

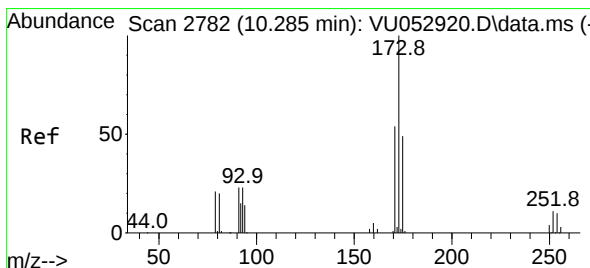
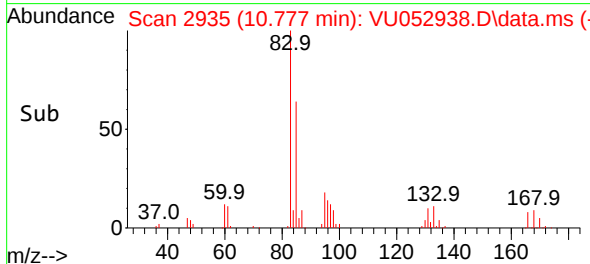
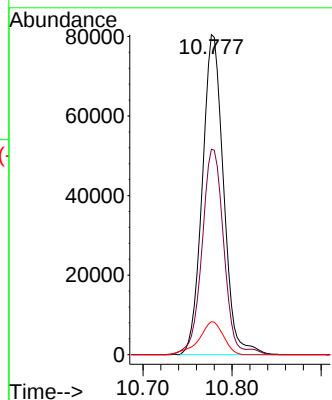
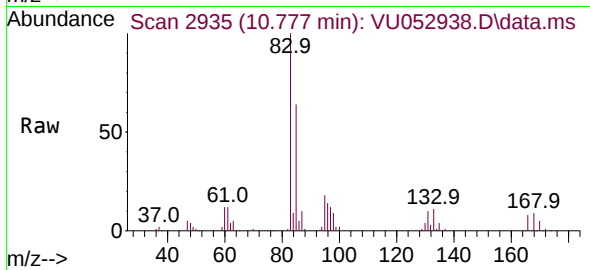




#57
1,1,2,2-Tetrachloroethane
Concen: 45.000 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. -0.000 min
Lab File: VU052938.D
Acq: 03 Feb 2023 11:57

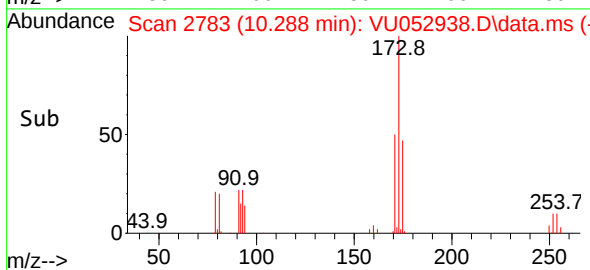
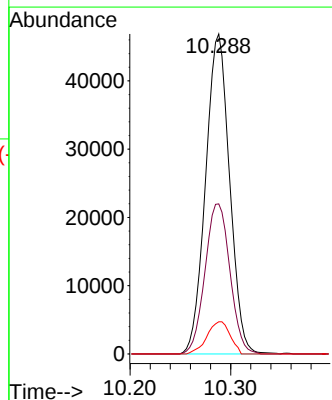
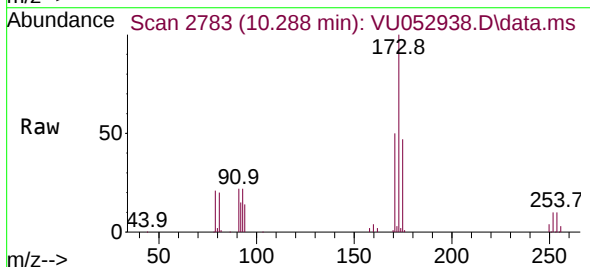
Instrument :
MSVOA_U
ClientSampleId :

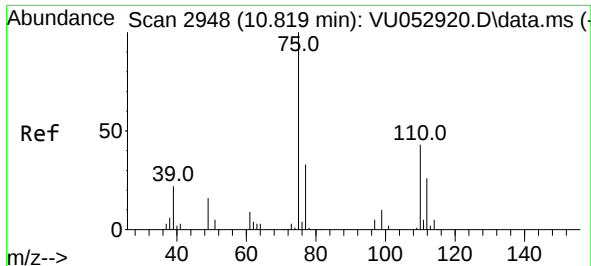
Tgt Ion: 83 Resp: 133026
Ion Ratio Lower Upper
83 100
85 64.2 45.0 83.6
131 10.3 8.6 12.8



#59
Bromoform
Concen: 45.073 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.003 min
Lab File: VU052938.D
Acq: 03 Feb 2023 11:57

Tgt Ion:173 Resp: 77653
Ion Ratio Lower Upper
173 100
175 48.7 37.7 56.5
254 9.7 8.3 12.5

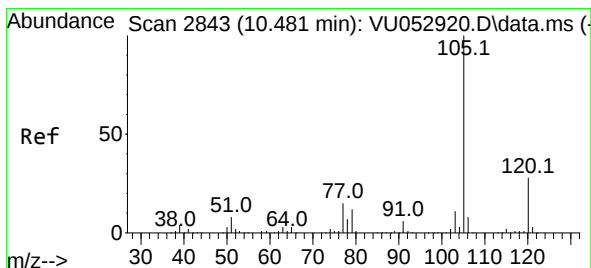
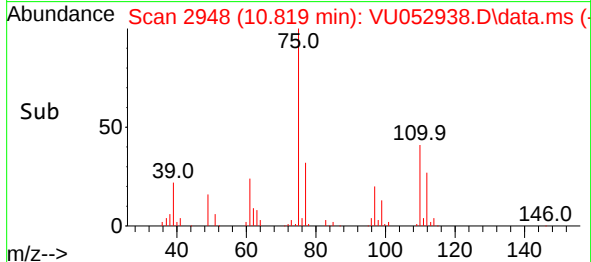
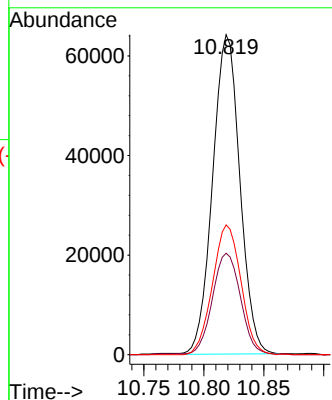
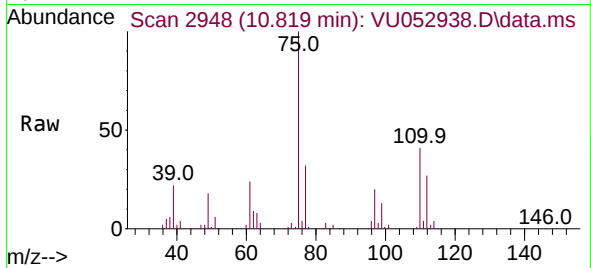




#60
1,2,3-Trichloropropane
Concen: 41.514 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU052938.D
Acq: 03 Feb 2023 11:57

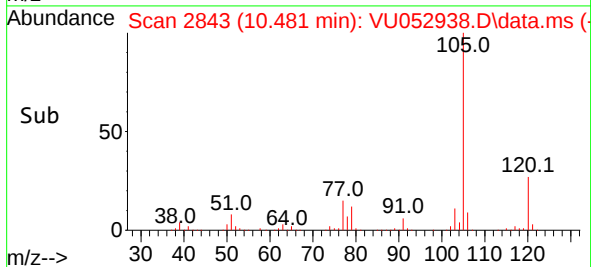
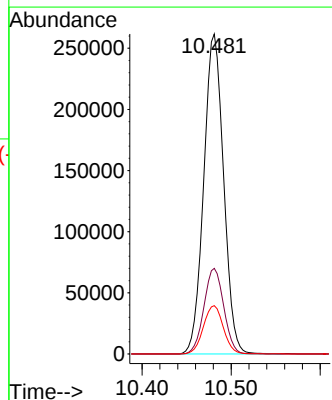
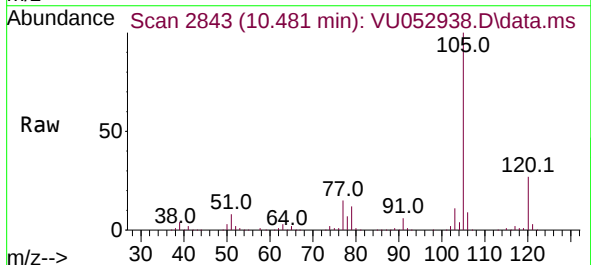
Instrument :
MSVOA_U
ClientSampleId :

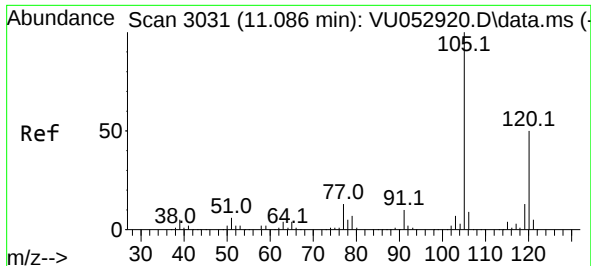
Tgt Ion: 75	Resp: 101240
Ion Ratio	Lower Upper
75 100	
77 32.4	25.8 38.8
110 42.3	32.4 48.6



#61
Isopropylbenzene
Concen: 49.852 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU052938.D
Acq: 03 Feb 2023 11:57

Tgt Ion:105	Resp: 404790		
Ion Ratio	Lower	Upper	
105 100			
120 26.7	21.4	32.2	
77 15.2	12.2	18.2	





#62

1,3,5-Trimethylbenzene

Concen: 50.450 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. -0.000 min

Lab File: VU052938.D

Acq: 03 Feb 2023 11:57

Instrument :

MSVOA_U

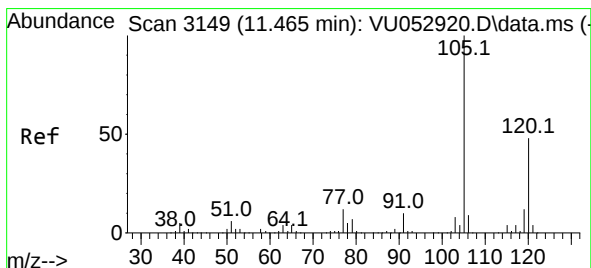
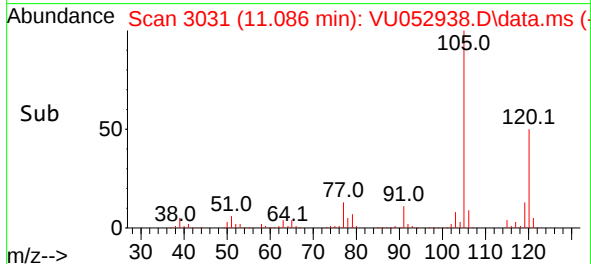
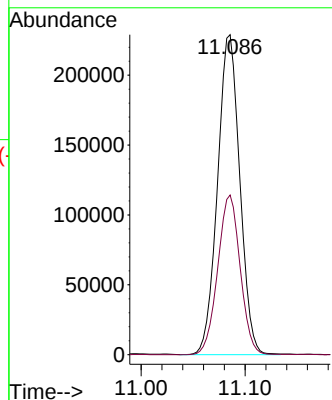
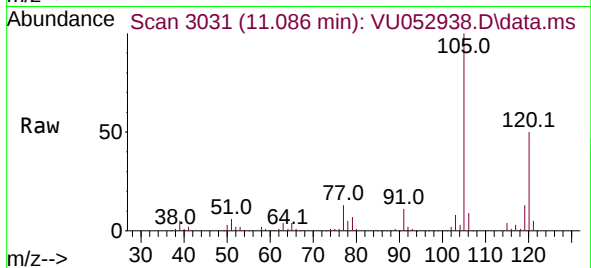
ClientSampleId :

Tgt Ion:105 Resp: 341089

Ion Ratio Lower Upper

105 100

120 50.2 40.4 60.6



#63

1,2,4-Trimethylbenzene

Concen: 51.519 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. -0.000 min

Lab File: VU052938.D

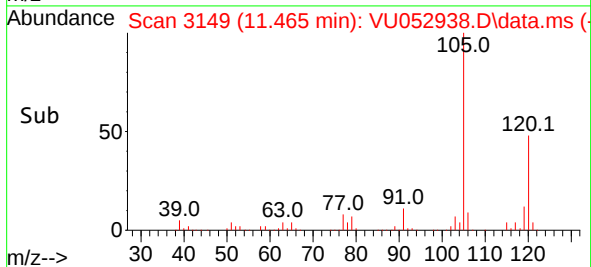
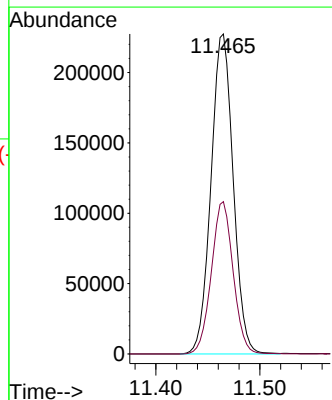
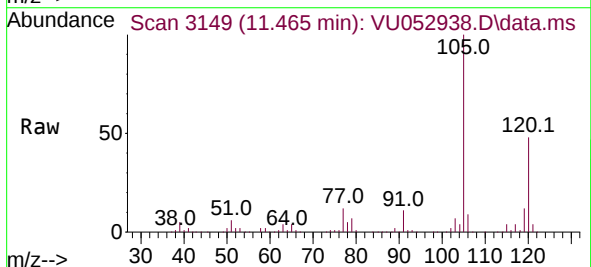
Acq: 03 Feb 2023 11:57

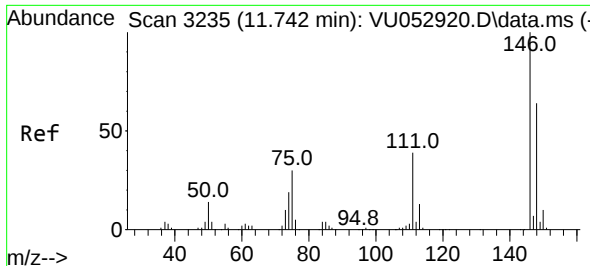
Tgt Ion:105 Resp: 337049

Ion Ratio Lower Upper

105 100

120 46.7 38.1 57.1

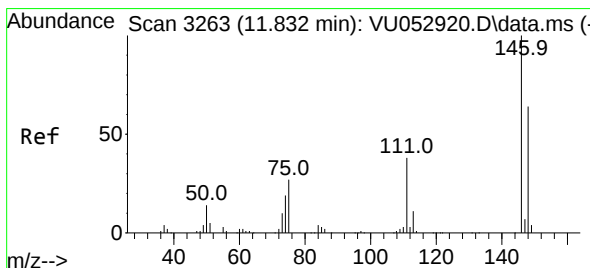
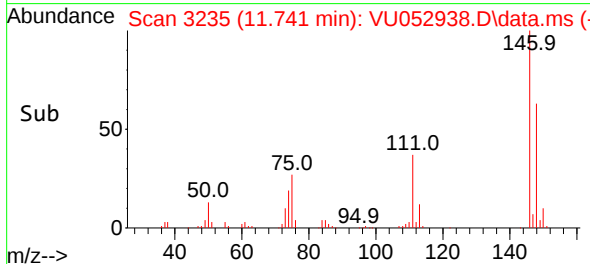
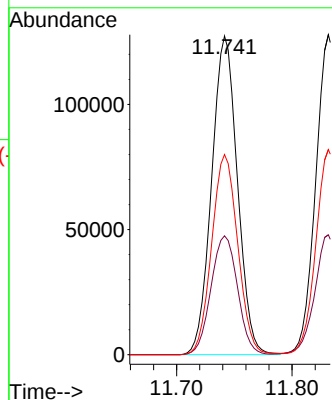
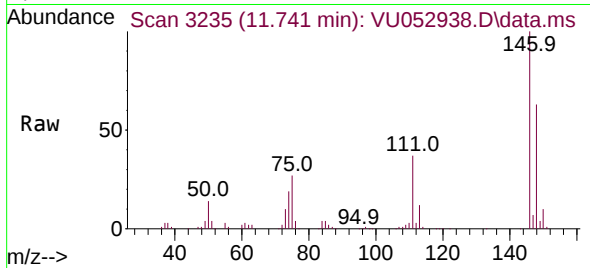




#64
 1,3-Dichlorobenzene
 Concen: 48.185 ug/L
 RT: 11.741 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU052938.D
 Acq: 03 Feb 2023 11:57

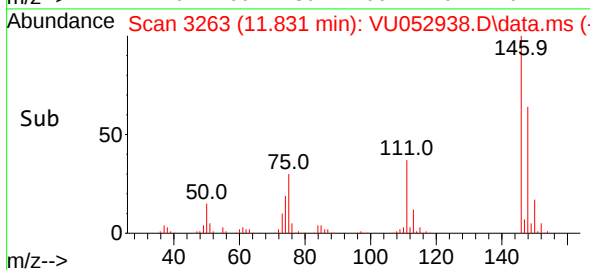
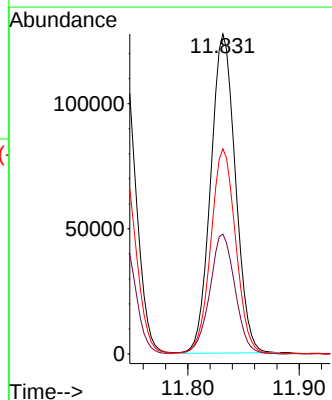
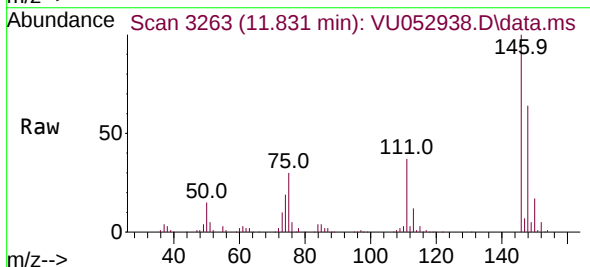
Instrument :
 MSVOA_U
 ClientSampleId :

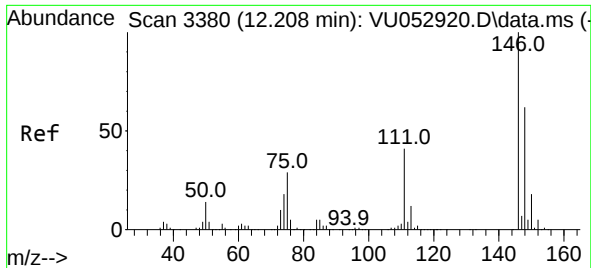
Tgt Ion:146 Resp: 197399
 Ion Ratio Lower Upper
 146 100
 111 37.3 27.8 51.6
 148 62.8 45.5 84.5



#65
 1,4-Dichlorobenzene
 Concen: 46.365 ug/L
 RT: 11.831 min Scan# 3263
 Delta R.T. -0.000 min
 Lab File: VU052938.D
 Acq: 03 Feb 2023 11:57

Tgt Ion:146 Resp: 196635
 Ion Ratio Lower Upper
 146 100
 111 37.4 26.7 49.7
 148 64.1 45.6 84.6





#67

1,2-Dichlorobenzene

Concen: 47.936 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU052938.D

Acq: 03 Feb 2023 11:57

Instrument :

MSVOA_U

ClientSampleId :

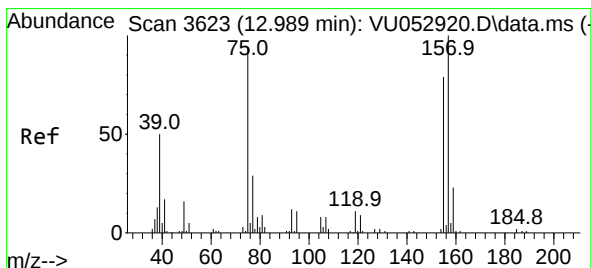
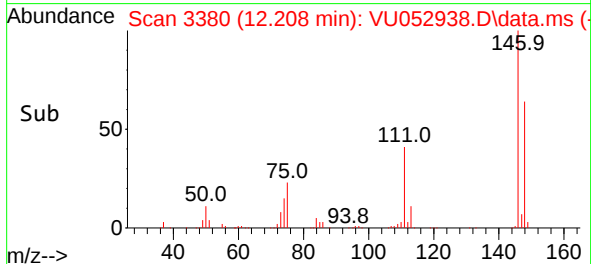
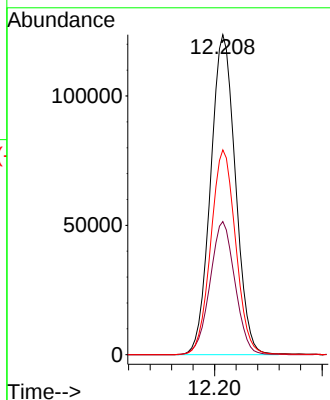
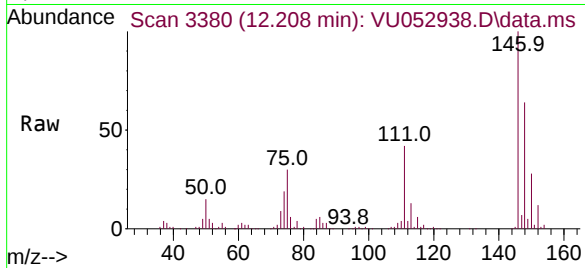
Tgt Ion:146 Resp: 198630

Ion Ratio Lower Upper

146 100

111 41.6 33.2 49.8

148 64.0 50.2 75.4



#68

1,2-Dibromo-3-chloropropane

Concen: 39.001 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. -0.000 min

Lab File: VU052938.D

Acq: 03 Feb 2023 11:57

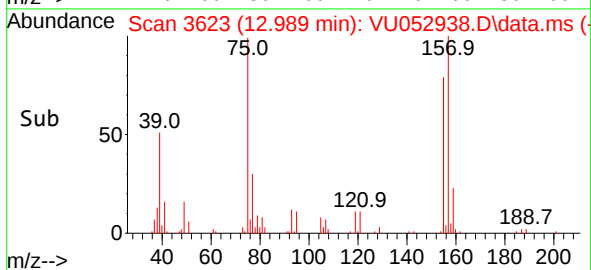
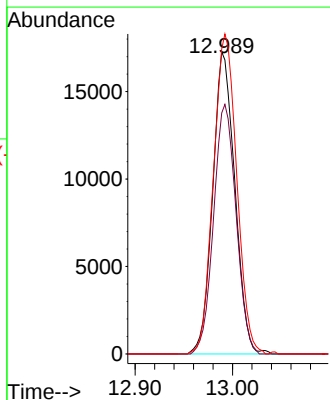
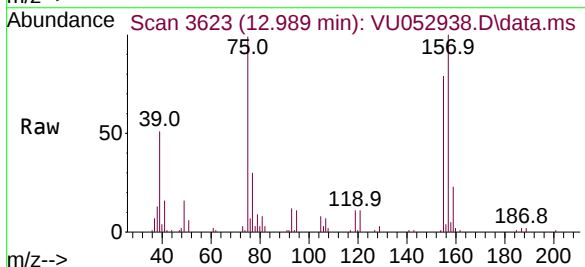
Tgt Ion: 75 Resp: 27263

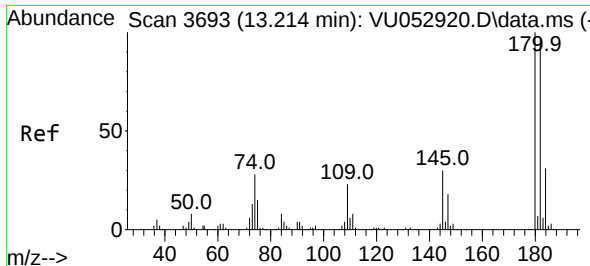
Ion Ratio Lower Upper

75 100

155 79.8 69.2 103.8

157 101.0 91.2 136.8





#69

1,3,5-Trichlorobenzene

Concen: 47.678 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. -0.000 min

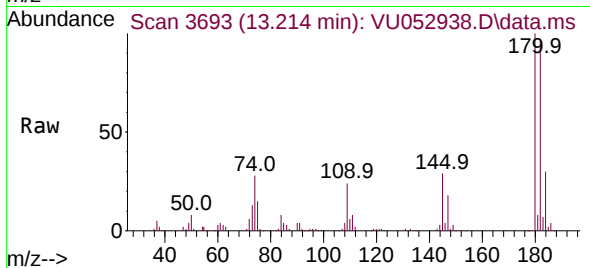
Lab File: VU052938.D

Acq: 03 Feb 2023 11:57

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 144600

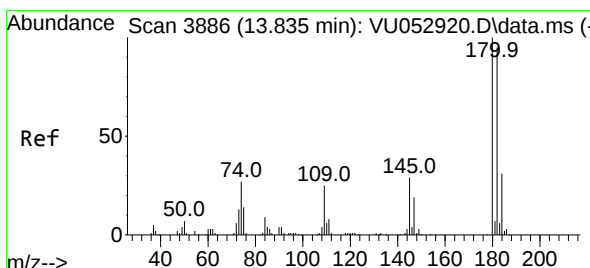
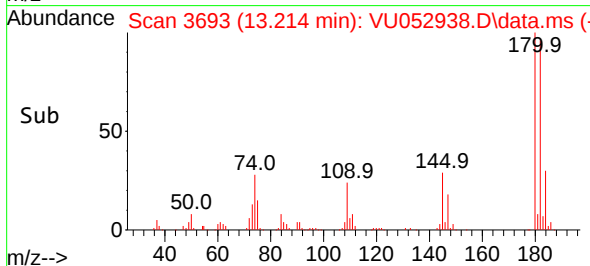
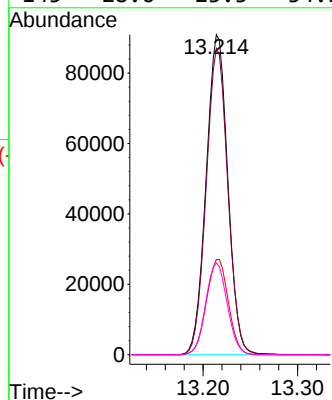
Ion Ratio Lower Upper

180 100

182 95.4 77.0 115.6

184 30.1 24.4 36.6

145 28.6 23.3 34.9



#70

1,2,4-trichlorobenzene

Concen: 45.914 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. -0.000 min

Lab File: VU052938.D

Acq: 03 Feb 2023 11:57

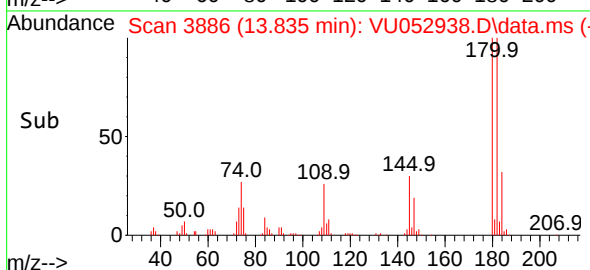
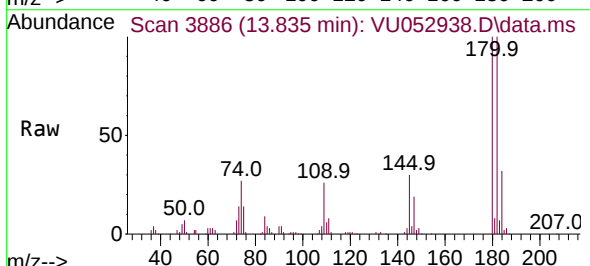
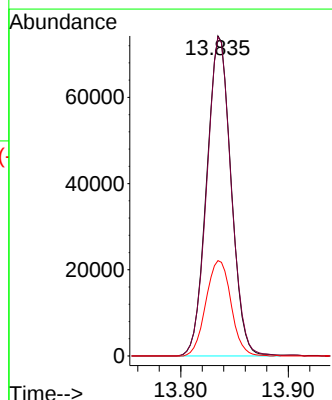
Tgt Ion:180 Resp: 116747

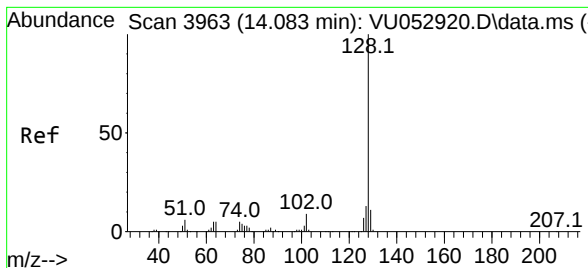
Ion Ratio Lower Upper

180 100

182 99.5 78.2 117.2

145 30.7 23.4 35.2





#71

Naphthalene

Concen: 45.070 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. -0.000 min

Lab File: VU052938.D

Acq: 03 Feb 2023 11:57

Instrument :

MSVOA_U

ClientSampleId :

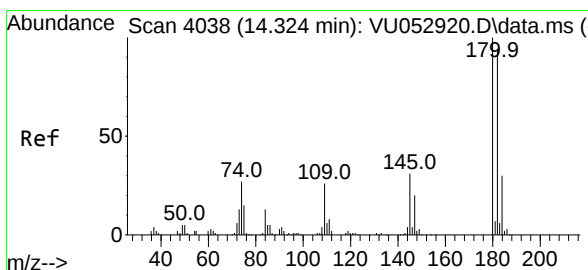
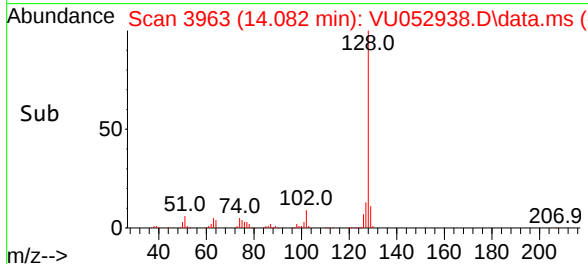
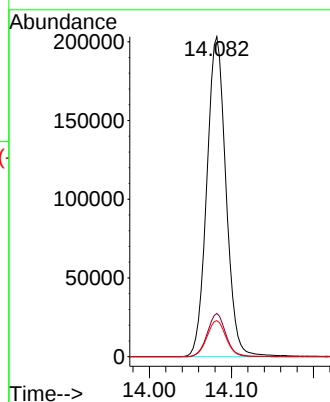
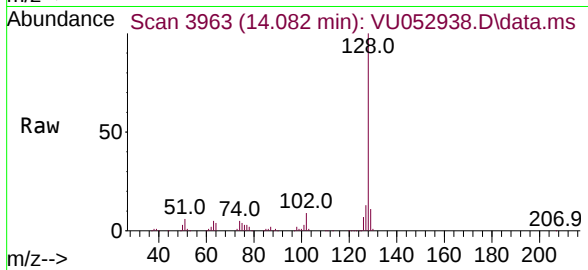
Tgt Ion:128 Resp: 329327

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 11.2 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 47.420 ug/L

RT: 14.323 min Scan# 4038

Delta R.T. -0.000 min

Lab File: VU052938.D

Acq: 03 Feb 2023 11:57

Tgt Ion:180 Resp: 127427

Ion Ratio Lower Upper

180 100

182 95.0 77.5 116.3

145 31.6 24.2 36.4

