

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U020223\
 Data File : U052934.D
 Acq On : 02 Feb 2023 18:33
 Operator : JC/MD
 Sample : 01381-23MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 03 00:28:41 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	6.243	114	234259	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	229346	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	137533	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	69394	41.157	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.320%
7) Chloroethane-d5	1.906	69	65533	47.170	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.340%
11) 1,1-Dichloroethene-d2	2.559	63	150721	44.943	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.880%
21) 2-Butanone-d5	4.626	46	87970	84.458	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.460%
24) Chloroform-d	5.057	84	167459	46.537	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.080%
26) 1,2-Dichloroethane-d4	5.694	65	107668	46.860	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.720%
32) Benzene-d6	5.719	84	319777	45.637	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.280%
36) 1,2-Dichloropropane-d6	6.684	67	95430	46.437	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.880%
41) Toluene-d8	7.893	98	295618	46.332	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.660%
43) trans-1,3-Dichloroprop...	8.176	79	47629	46.242	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.480%
47) 2-Hexanone-d5	8.645	63	64990	90.005	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.000%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	139606	45.980	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.960%
66) 1,2-Dichlorobenzene-d4	11.809	152	118241	44.276	ug/L	-0.38
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.560%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	99586	45.399	ug/L	99
3) Chloromethane	1.517	50	86211	47.652	ug/L	100
5) Vinyl chloride	1.604	62	96395	48.162	ug/L	96
6) Bromomethane	1.851	94	64998	51.494	ug/L	97
8) Chloroethane	1.925	64	64827	51.568	ug/L	99
9) Trichlorofluoromethane	2.121	101	172562	51.475	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	89734	47.489	ug/L	98
12) 1,1-Dichloroethene	2.572	96	84232	48.606	ug/L	92
13) Acetone	2.633	43	66230	52.063	ug/L	99
14) Carbon disulfide	2.784	76	228613	43.679	ug/L	100
15) Methyl Acetate	2.945	43	69303	40.433	ug/L	98
16) Methylene chloride	3.038	84	95411	46.283	ug/L	98
17) trans-1,2-Dichloroethene	3.343	96	88625	47.323	ug/L	97
18) Methyl tert-butyl Ether	3.359	73	271770	49.352	ug/L	100
19) 1,1-Dichloroethane	3.861	63	160523	48.874	ug/L	99
20) cis-1,2-Dichloroethene	4.658	96	243583	121.821	ug/L	100
22) 2-Butanone	4.707	43	96220	70.764	ug/L	95
23) Bromochloromethane	4.967	128	54378	48.430	ug/L	95
25) Chloroform	5.080	83	183389	49.738	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020223\
 Data File : VU052934.D
 Acq On : 02 Feb 2023 18:33
 Operator : JC/MD
 Sample : 01381-23MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

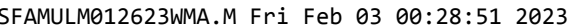
Instrument :
 MSVOA_U
 ClientSampleId :

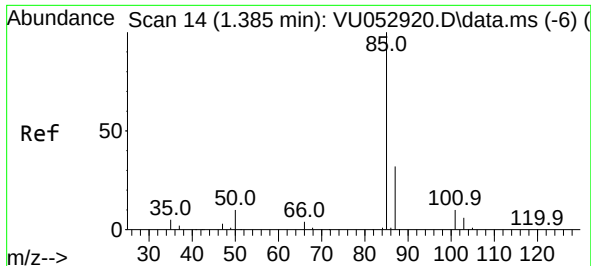
Quant Time: Feb 03 00:28:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 03 00:24:34 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	141935	48.625	ug/L	100
29) Cyclohexane	5.382	56	127045	46.746	ug/L	99
30) 1,1,1-Trichloroethane	5.308	97	162892	48.285	ug/L	99
31) Carbon tetrachloride	5.517	117	143004	48.901	ug/L	100
33) Benzene	5.768	78	391118	50.098	ug/L	100
34) Trichloroethene	6.536	95	216603	109.158	ug/L	95
35) Methylcyclohexane	6.758	83	147445	46.948	ug/L	99
37) 1,2-Dichloropropane	6.784	63	90393	47.095	ug/L	99
38) Bromodichloromethane	7.102	83	133061	47.242	ug/L	99
39) cis-1,3-Dichloropropene	7.600	75	142453	47.380	ug/L	99
40) 4-Methyl-2-pentanone	7.803	43	195440	86.429	ug/L	98
42) Toluene	7.964	91	385961	48.238	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	139950	47.365	ug/L	100
45) 1,1,2-Trichloroethane	8.398	97	94348	48.069	ug/L	98
46) Tetrachloroethene	8.549	164	80862	47.325	ug/L	98
48) 2-Hexanone	8.697	43	151108	78.990	ug/L	96
49) Dibromochloromethane	8.806	129	113068	48.171	ug/L	99
50) 1,2-Dibromoethane	8.919	107	97967	46.375	ug/L	95
51) Chlorobenzene	9.443	112	905691	164.528	ug/L	99
52) Ethylbenzene	9.568	91	428153	50.073	ug/L	99
53) m,p-Xylene	9.690	106	174236	50.334	ug/L	98
54) o-xylene	10.099	106	170892	51.713	ug/L	100
55) Styrene	10.111	104	296281	52.248	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	148858	46.863	ug/L	99
59) Bromoform	10.292	173	85070	45.138	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	114990	43.103	ug/L	98
61) Isopropylbenzene	10.481	105	432623	48.705	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	366408	49.541	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	364787	50.971	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	229566	51.225	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	344211	74.193	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	844508	186.306	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	31186	40.782	ug/L	96
69) 1,3,5-Trichlorobenzene	13.214	180	154387	46.534	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	270062	97.090	ug/L	98
71) Naphthalene	14.082	128	390817	48.892	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	179422	61.036	ug/L	98

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

Quant Time: Feb 03 00:28:41 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

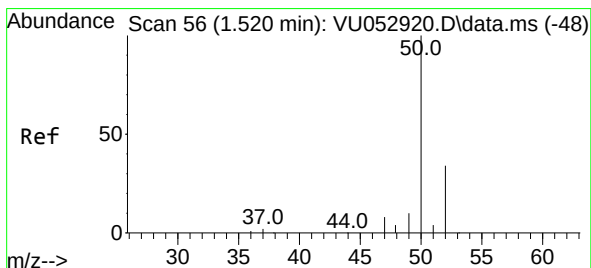
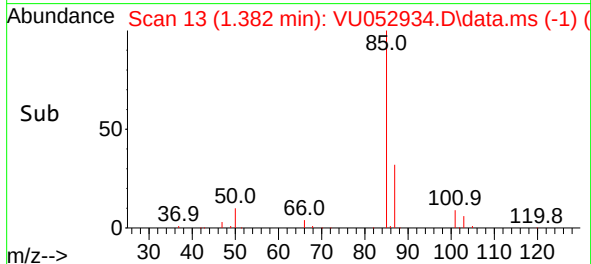
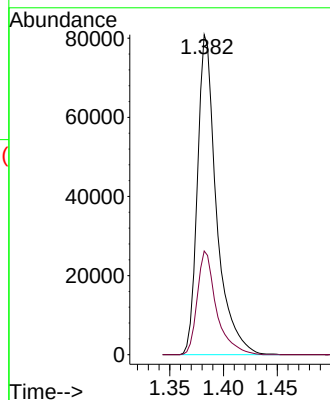
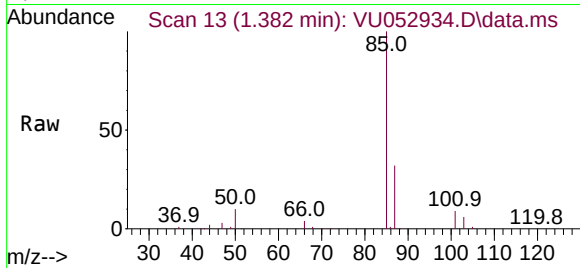




#2
Dichlorodifluoromethane
Concen: 45.399 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU052934.D
Acq: 02 Feb 2023 18:33

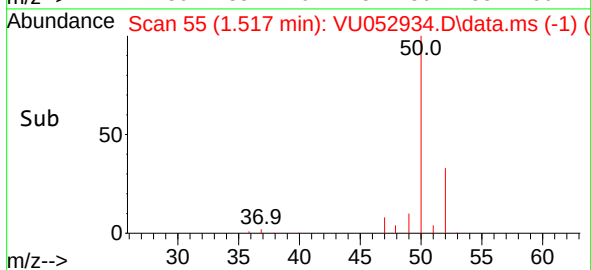
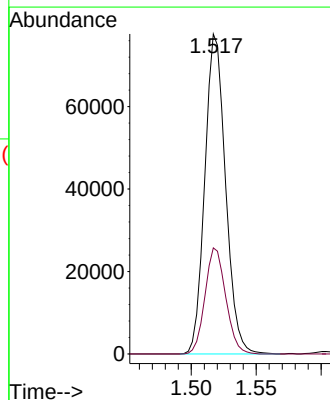
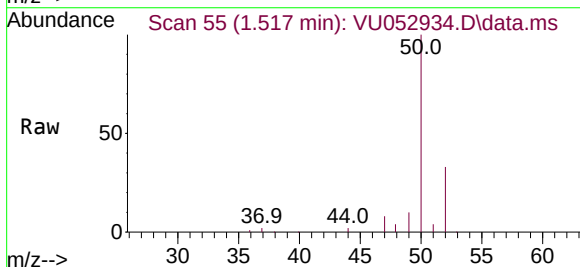
Instrument :
MSVOA_U
ClientSampleId :

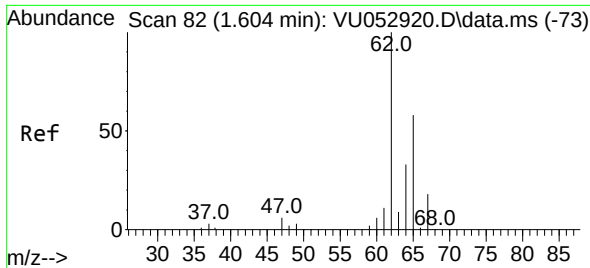
Tgt Ion: 85 Resp: 99586
Ion Ratio Lower Upper
85 100
87 32.5 26.4 39.6



#3
Chloromethane
Concen: 47.652 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU052934.D
Acq: 02 Feb 2023 18:33

Tgt Ion: 50 Resp: 86211
Ion Ratio Lower Upper
50 100
52 33.2 23.4 43.4

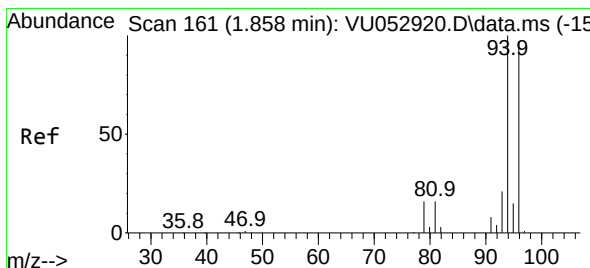
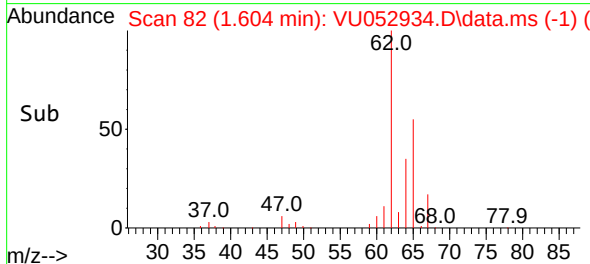
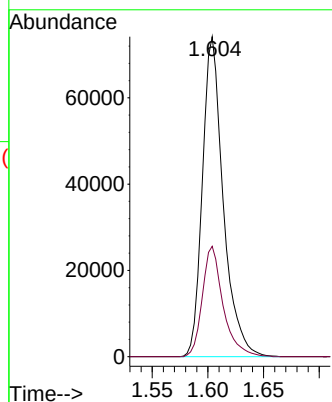
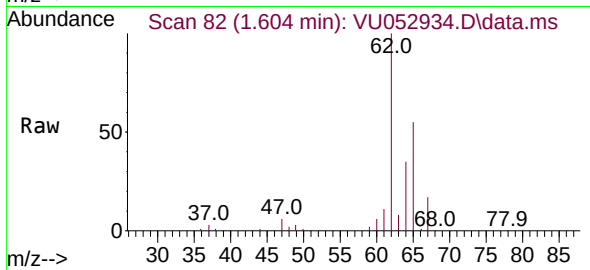




#5
 Vinyl chloride
 Concen: 48.162 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU052934.D
 Acq: 02 Feb 2023 18:33

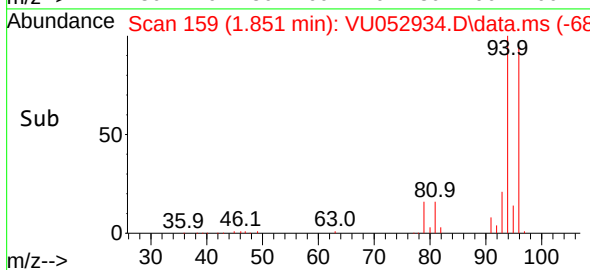
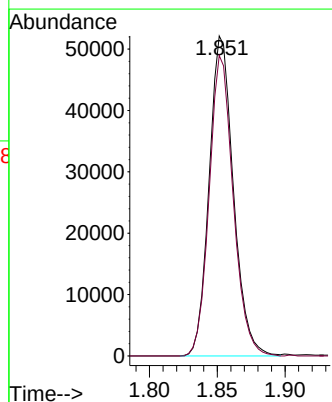
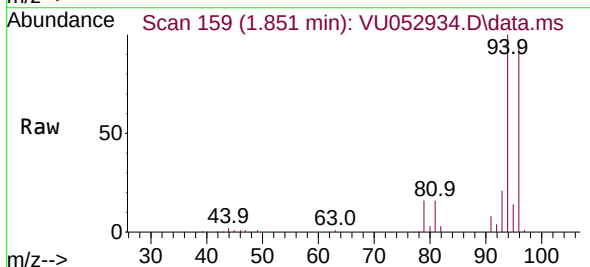
Instrument :
 MSVOA_U
 ClientSampleId :

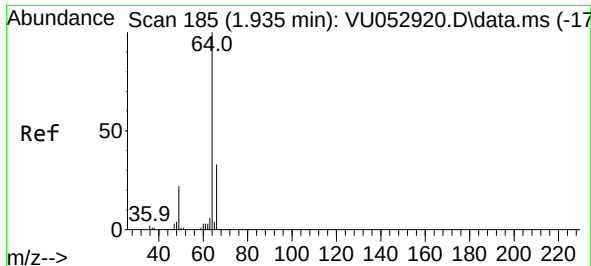
Tgt Ion: 62 Resp: 96395
 Ion Ratio Lower Upper
 62 100
 64 34.5 22.4 41.6



#6
 Bromomethane
 Concen: 51.494 ug/L
 RT: 1.851 min Scan# 159
 Delta R.T. -0.007 min
 Lab File: VU052934.D
 Acq: 02 Feb 2023 18:33

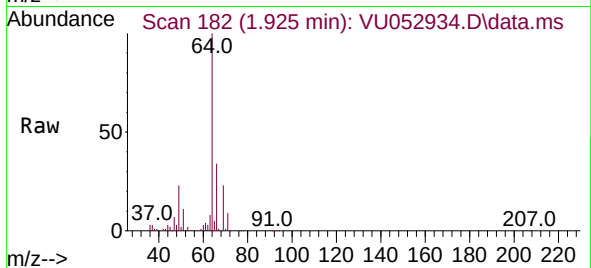
Tgt Ion: 94 Resp: 64998
 Ion Ratio Lower Upper
 94 100
 96 93.9 67.8 125.8



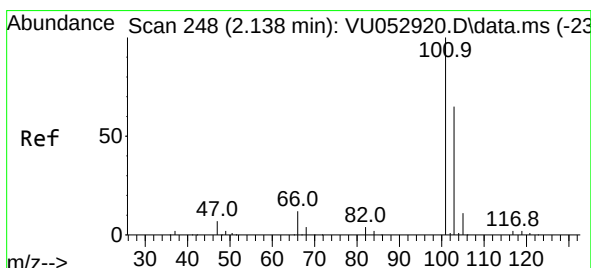
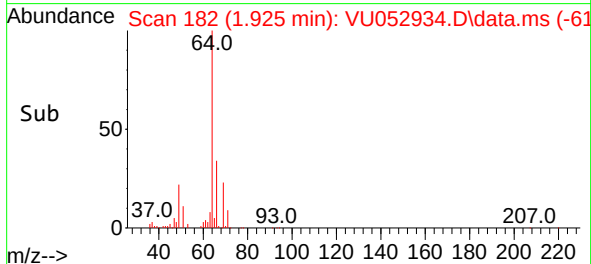
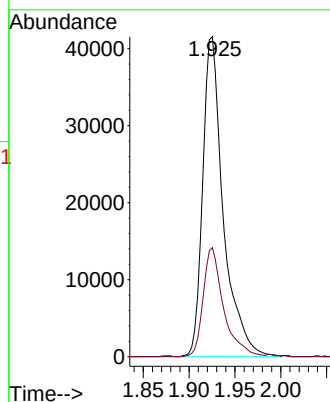


#8
Chloroethane
Concen: 51.568 ug/L
RT: 1.925 min Scan# 11
Delta R.T. -0.010 min
Lab File: VU052934.D
Acq: 02 Feb 2023 18:33

Instrument :
MSVOA_U
ClientSampleId :

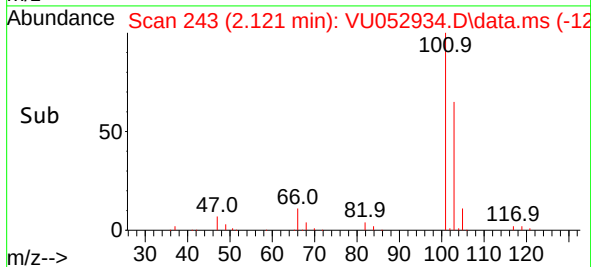
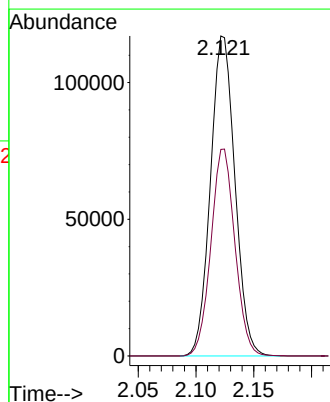
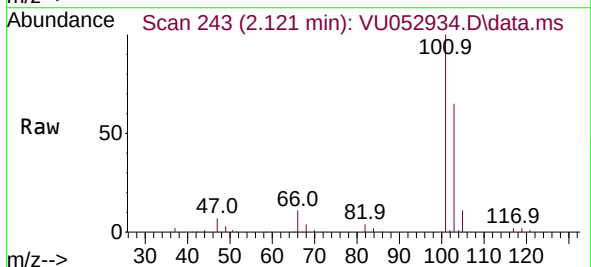


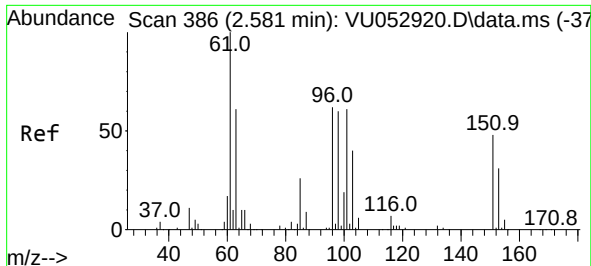
Tgt Ion: 64 Resp: 64827
Ion Ratio Lower Upper
64 100
66 34.1 24.1 44.7



#9
Trichlorofluoromethane
Concen: 51.475 ug/L
RT: 2.121 min Scan# 243
Delta R.T. -0.016 min
Lab File: VU052934.D
Acq: 02 Feb 2023 18:33

Tgt Ion: 101 Resp: 172562
Ion Ratio Lower Upper
101 100
103 63.3 52.0 78.0

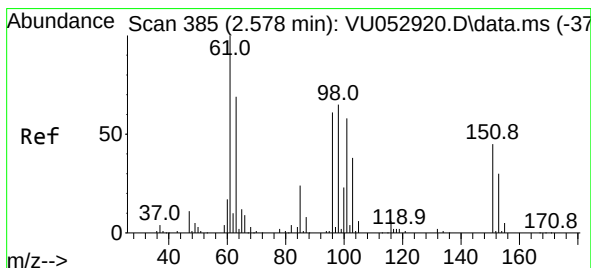
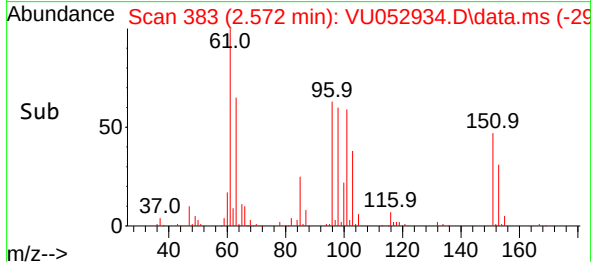
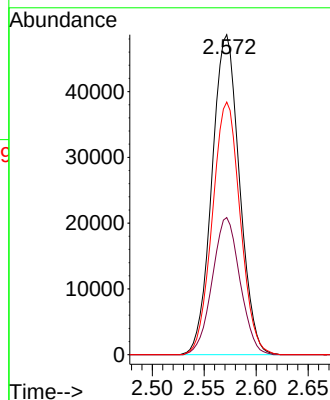
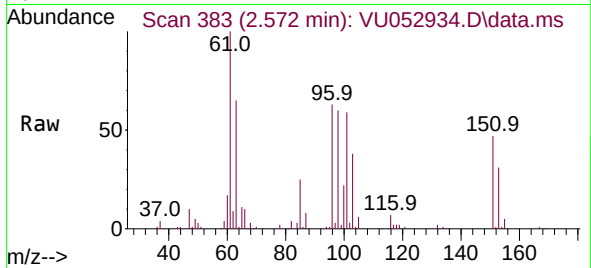




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 47.489 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.010 min
Lab File: VU052934.D
Acq: 02 Feb 2023 18:33

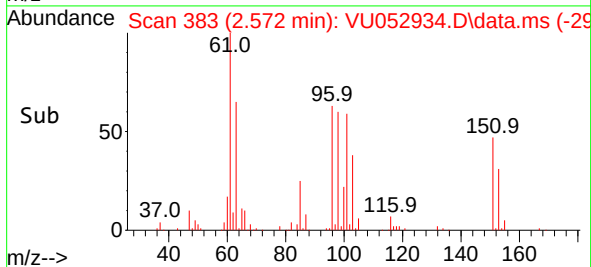
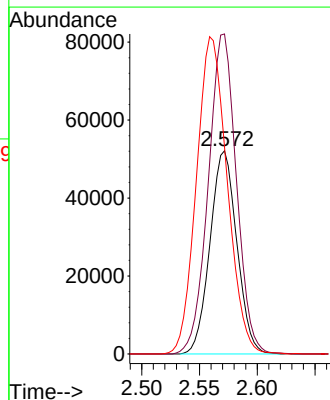
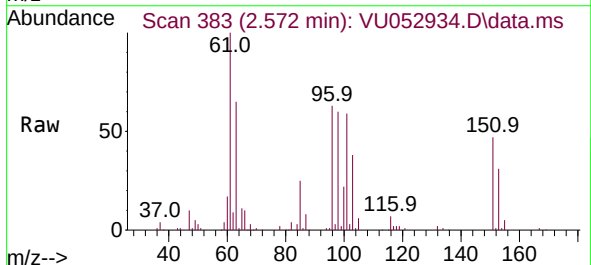
Instrument :
MSVOA_U
ClientSampleId :

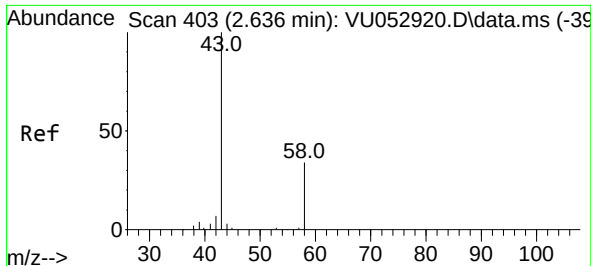
Tgt Ion:101 Resp: 89734
Ion Ratio Lower Upper
101 100
85 43.1 32.9 49.3
151 79.9 62.6 94.0



#12
1,1-Dichloroethene
Concen: 48.606 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.007 min
Lab File: VU052934.D
Acq: 02 Feb 2023 18:33

Tgt Ion: 96 Resp: 84232
Ion Ratio Lower Upper
96 100
61 157.5 114.3 212.3
63 101.9 80.6 149.6





#13

Acetone

Concen: 52.063 ug/L

RT: 2.633 min Scan# 403

Delta R.T. -0.003 min

Lab File: VU052934.D

Acq: 02 Feb 2023 18:33

Instrument :

MSVOA_U

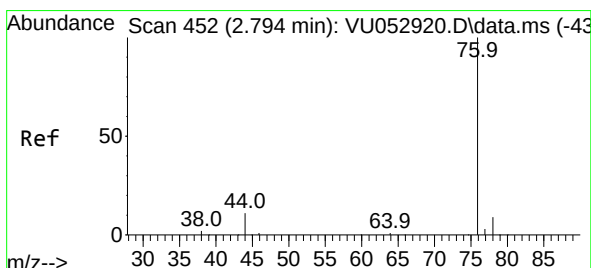
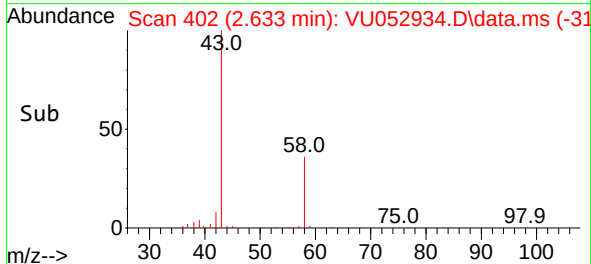
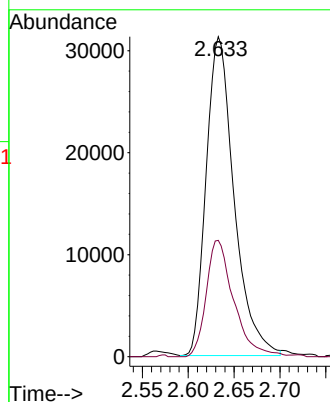
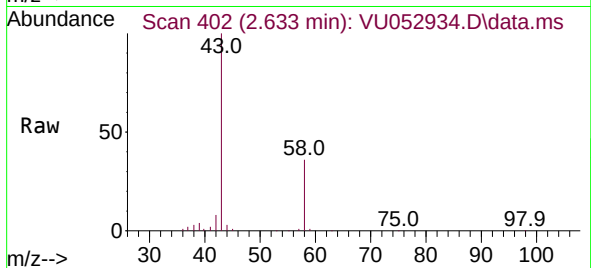
ClientSampleId :

Tgt Ion: 43 Resp: 66230

Ion Ratio Lower Upper

43 100

58 35.8 0.0 70.2



#14

Carbon disulfide

Concen: 43.679 ug/L

RT: 2.784 min Scan# 449

Delta R.T. -0.010 min

Lab File: VU052934.D

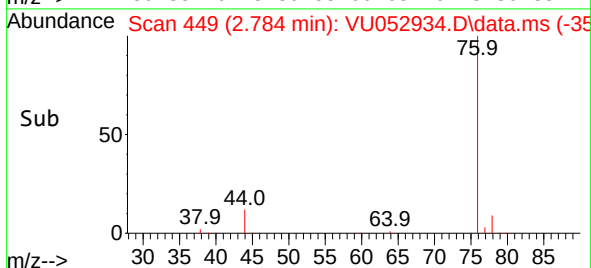
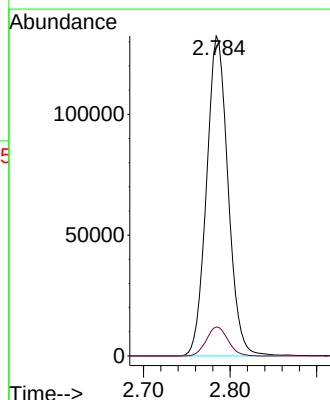
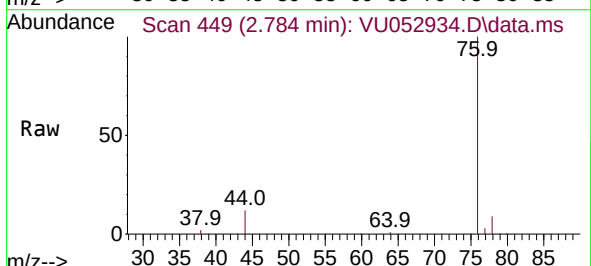
Acq: 02 Feb 2023 18:33

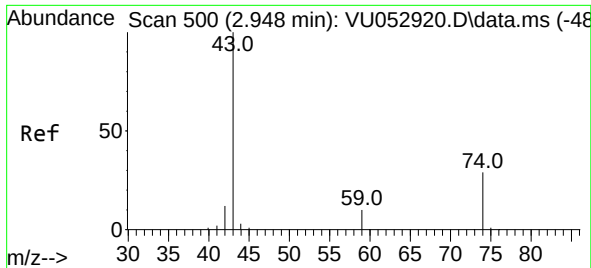
Tgt Ion: 76 Resp: 228613

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

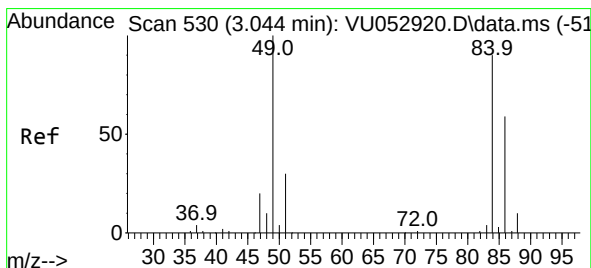
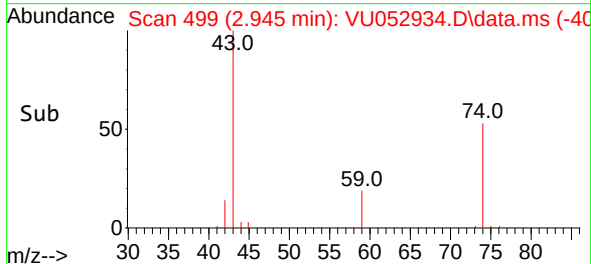
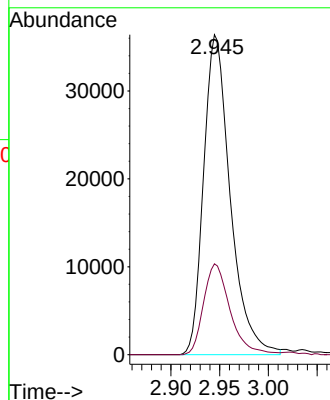
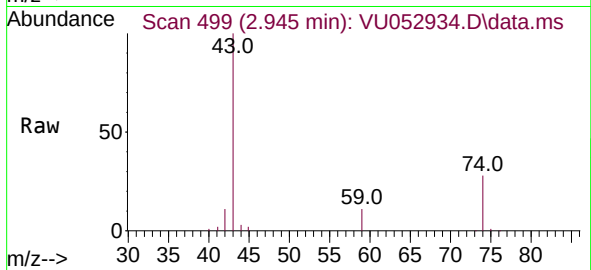




#15
Methyl Acetate
Concen: 40.433 ug/L
RT: 2.945 min Scan# 499
Delta R.T. -0.003 min
Lab File: VU052934.D
Acq: 02 Feb 2023 18:33

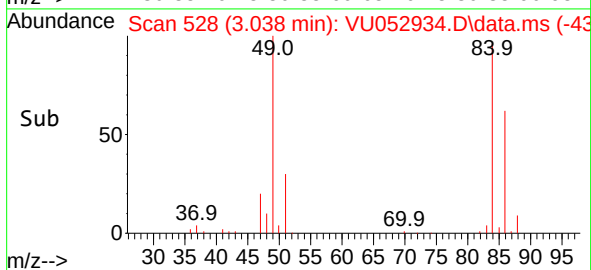
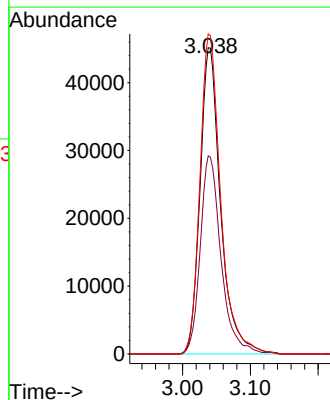
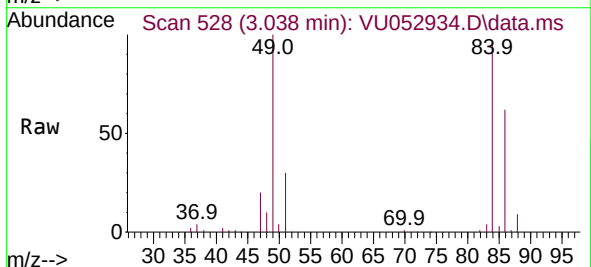
Instrument :
MSVOA_U
ClientSampleId :

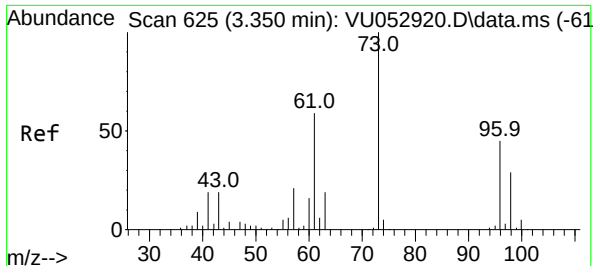
Tgt Ion: 43 Resp: 69303
Ion Ratio Lower Upper
43 100
74 28.3 22.0 33.0



#16
Methylene chloride
Concen: 46.283 ug/L
RT: 3.038 min Scan# 528
Delta R.T. -0.007 min
Lab File: VU052934.D
Acq: 02 Feb 2023 18:33

Tgt Ion: 84 Resp: 95411
Ion Ratio Lower Upper
84 100
86 64.7 43.4 80.6
49 104.5 72.4 134.5





#17

trans-1,2-Dichloroethene

Concen: 47.323 ug/L

RT: 3.343 min Scan# 61

Delta R.T. -0.007 min

Lab File: VU052934.D

Acq: 02 Feb 2023 18:33

Instrument :

MSVOA_U

ClientSampleId :

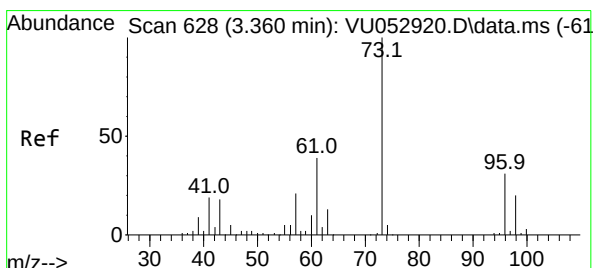
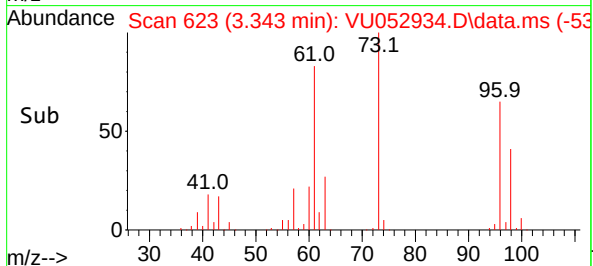
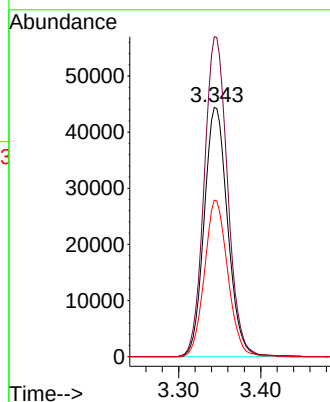
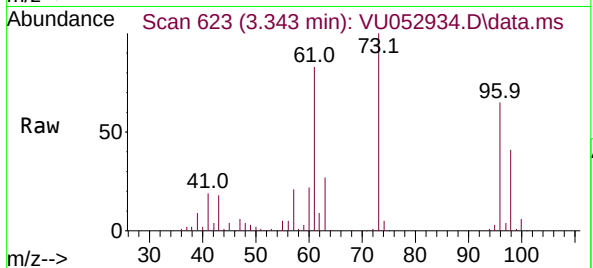
Tgt Ion: 96 Resp: 88625

Ion Ratio Lower Upper

96 100

61 128.4 92.7 172.3

98 62.8 44.7 82.9



#18

Methyl tert-butyl Ether

Concen: 49.352 ug/L

RT: 3.359 min Scan# 628

Delta R.T. -0.000 min

Lab File: VU052934.D

Acq: 02 Feb 2023 18:33

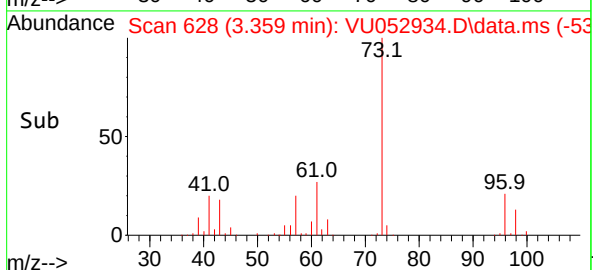
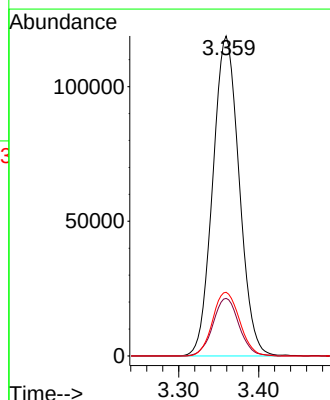
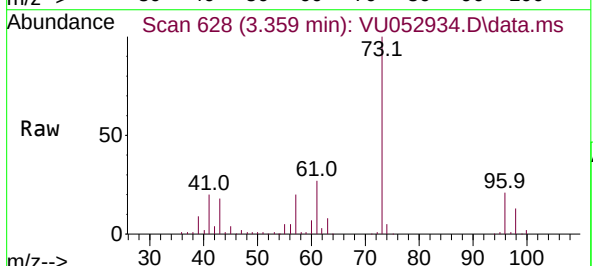
Tgt Ion: 73 Resp: 271770

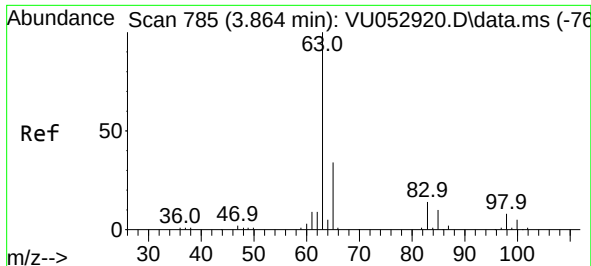
Ion Ratio Lower Upper

73 100

43 17.9 14.2 21.2

57 20.4 16.3 24.5





#19

1,1-Dichloroethane

Concen: 48.874 ug/L

RT: 3.861 min Scan# 784

Delta R.T. -0.003 min

Lab File: VU052934.D

Acq: 02 Feb 2023 18:33

Instrument :

MSVOA_U

ClientSampleId :

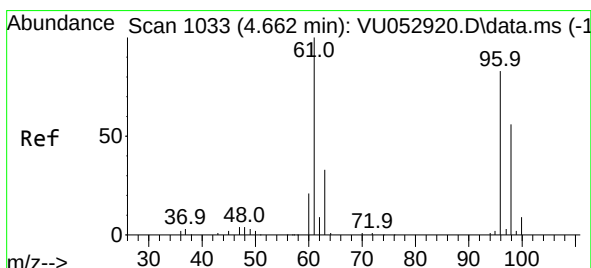
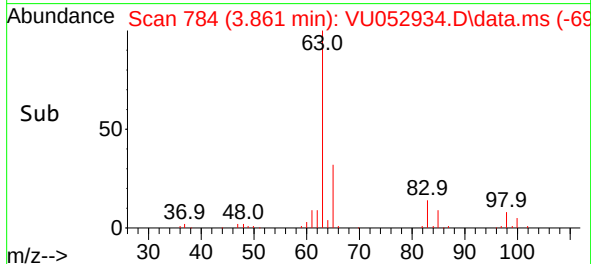
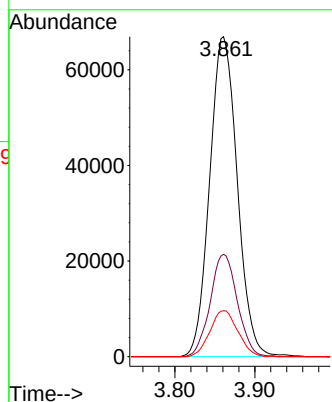
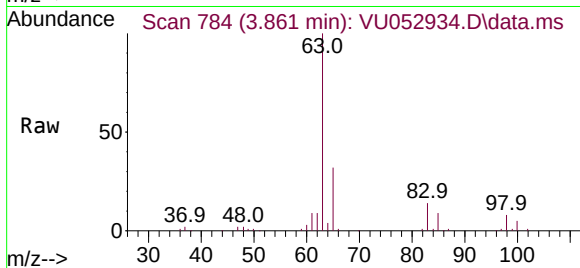
Tgt Ion: 63 Resp: 160523

Ion Ratio Lower Upper

63 100

65 32.0 22.4 41.6

83 14.4 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 121.821 ug/L

RT: 4.658 min Scan# 1032

Delta R.T. -0.003 min

Lab File: VU052934.D

Acq: 02 Feb 2023 18:33

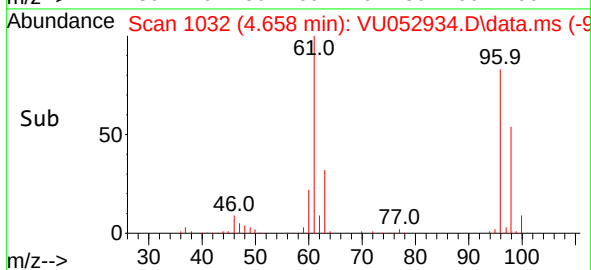
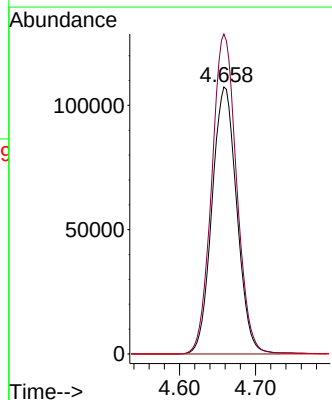
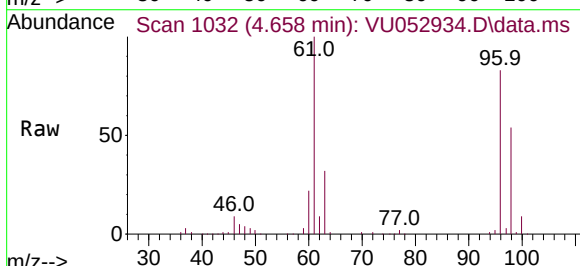
Tgt Ion: 96 Resp: 243583

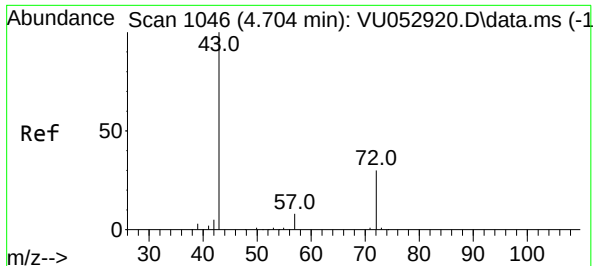
Ion Ratio Lower Upper

96 100

61 119.8 84.1 156.1

68 0.0 0.0 0.0

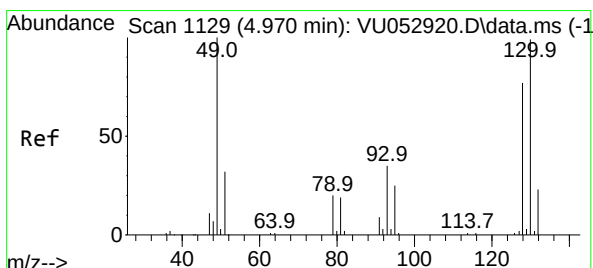
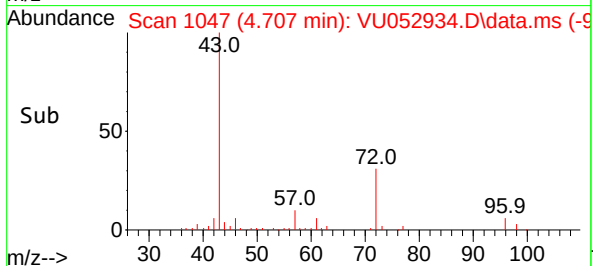
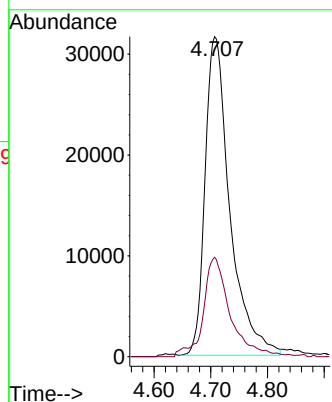
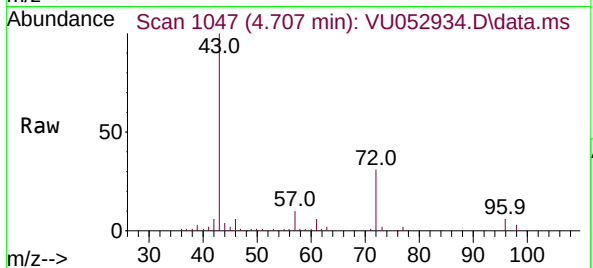




#22
2-Butanone
Concen: 70.764 ug/L
RT: 4.707 min Scan# 1046
Delta R.T. 0.003 min
Lab File: VU052934.D
Acq: 02 Feb 2023 18:33

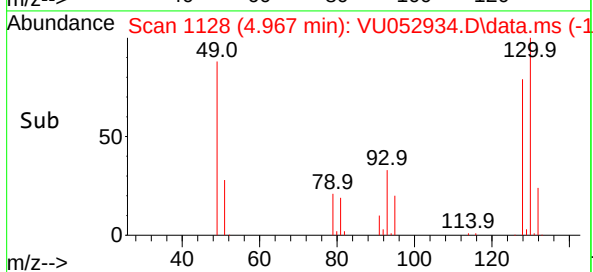
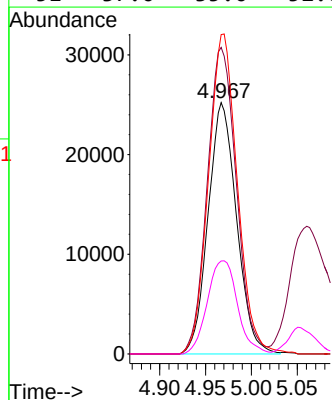
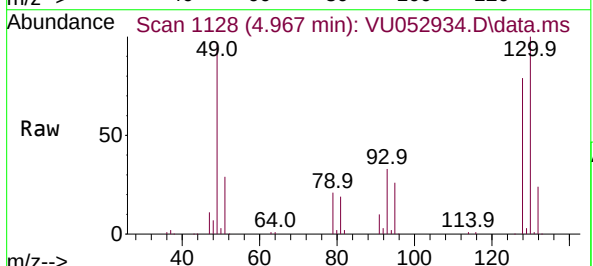
Instrument :
MSVOA_U
ClientSampleId :

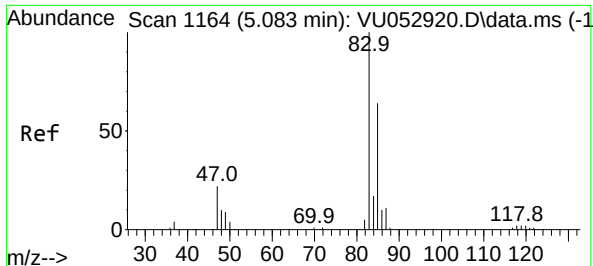
Tgt Ion: 43 Resp: 96220
Ion Ratio Lower Upper
43 100
72 28.4 15.5 46.5



#23
Bromochloromethane
Concen: 48.430 ug/L
RT: 4.967 min Scan# 1128
Delta R.T. -0.003 min
Lab File: VU052934.D
Acq: 02 Feb 2023 18:33

Tgt Ion: 128 Resp: 54378
Ion Ratio Lower Upper
128 100
49 122.0 90.1 167.3
130 127.1 90.1 167.3
51 37.0 35.0 52.6





#25

Chloroform

Concen: 49.738 ug/L

RT: 5.080 min Scan# 1164

Delta R.T. -0.003 min

Lab File: VU052934.D

Acq: 02 Feb 2023 18:33

Instrument :

MSVOA_U

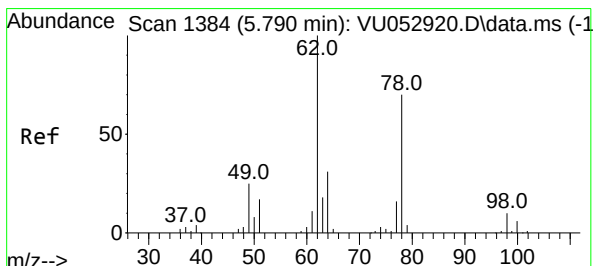
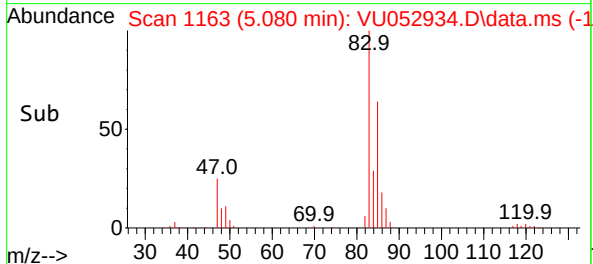
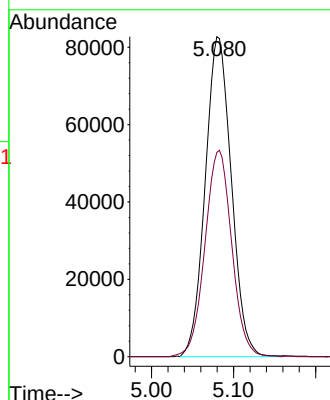
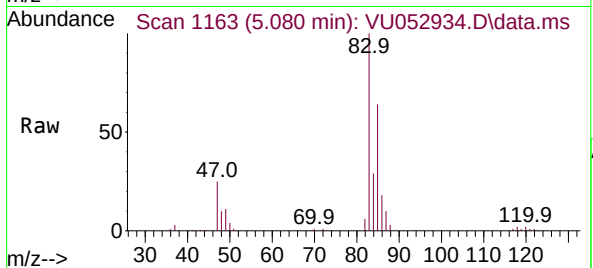
ClientSampleId :

Tgt Ion: 83 Resp: 183389

Ion Ratio Lower Upper

83 100

85 63.8 45.8 85.0



#27

1,2-Dichloroethane

Concen: 48.625 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.003 min

Lab File: VU052934.D

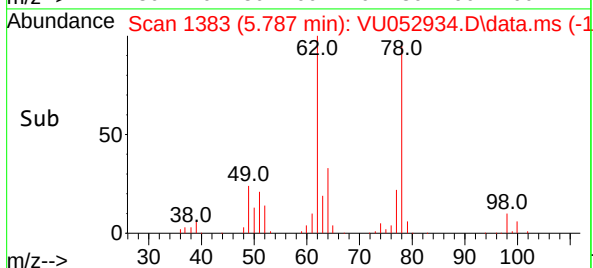
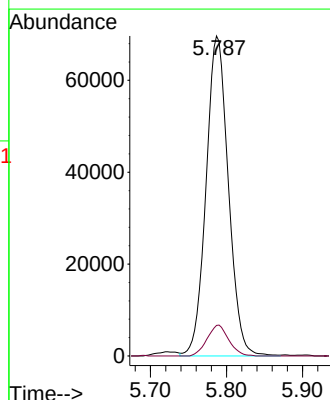
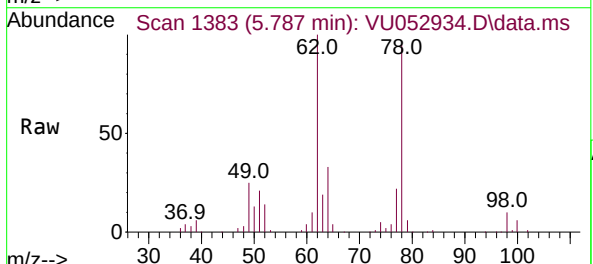
Acq: 02 Feb 2023 18:33

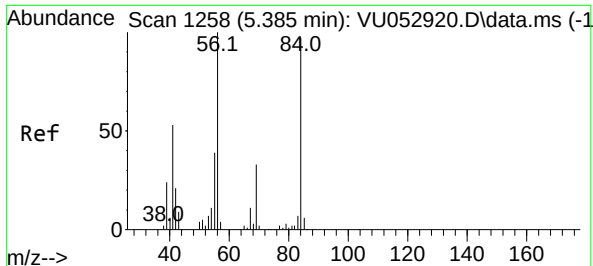
Tgt Ion: 62 Resp: 141935

Ion Ratio Lower Upper

62 100

98 9.5 7.6 11.4





#29

Cyclohexane

Concen: 46.746 ug/L

RT: 5.382 min Scan# 1257

Delta R.T. -0.003 min

Lab File: VU052934.D

Acq: 02 Feb 2023 18:33

Instrument :

MSVOA_U

ClientSampleId :

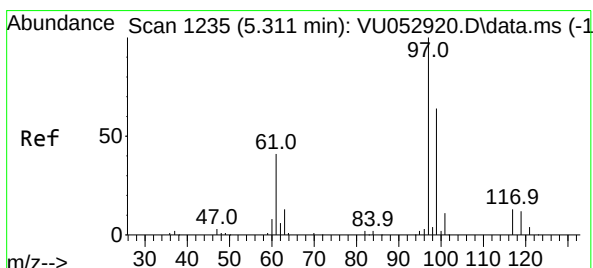
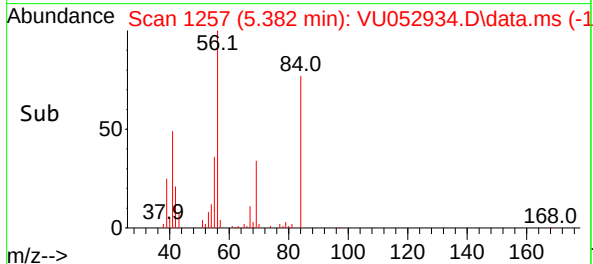
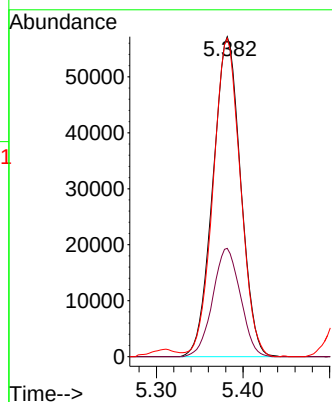
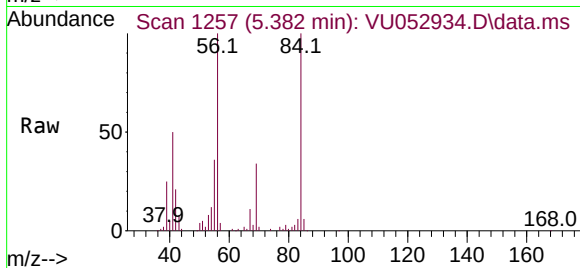
Tgt Ion: 56 Resp: 127045

Ion Ratio Lower Upper

56 100

69 33.8 26.6 40.0

84 97.9 77.0 115.4



#30

1,1,1-Trichloroethane

Concen: 48.285 ug/L

RT: 5.308 min Scan# 1234

Delta R.T. -0.003 min

Lab File: VU052934.D

Acq: 02 Feb 2023 18:33

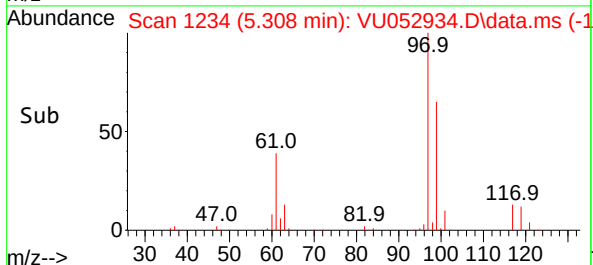
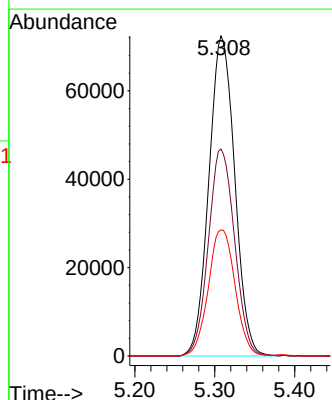
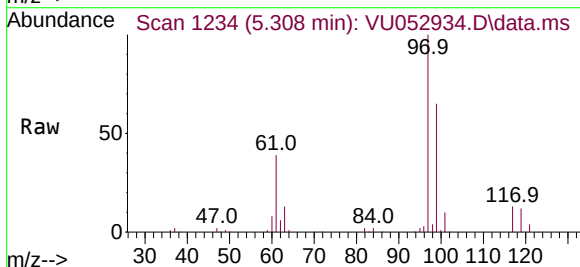
Tgt Ion: 97 Resp: 162892

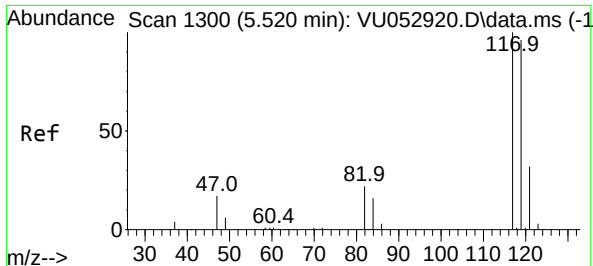
Ion Ratio Lower Upper

97 100

99 65.6 51.4 77.0

61 40.9 33.0 49.6

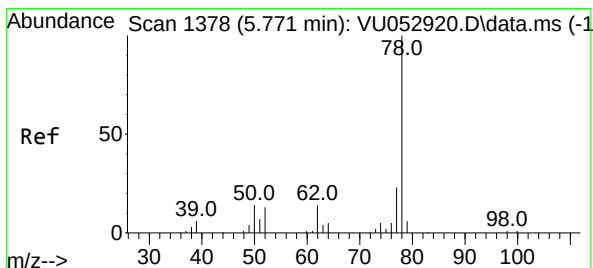
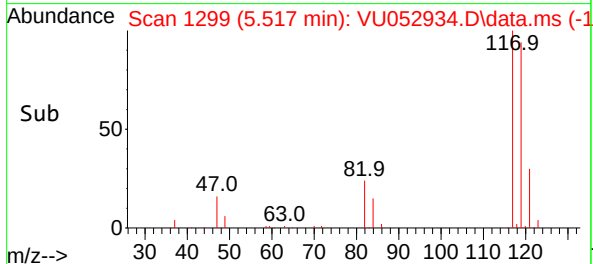
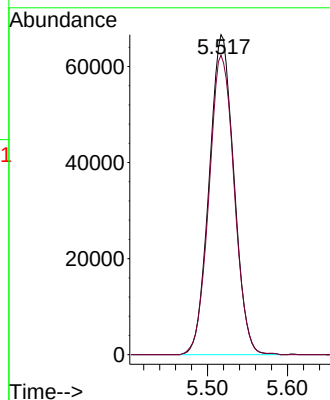
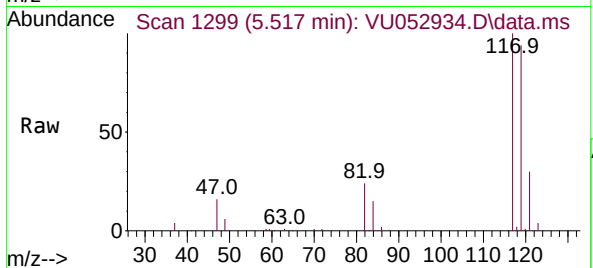




#31
Carbon tetrachloride
Concen: 48.901 ug/L
RT: 5.517 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU052934.D
Acq: 02 Feb 2023 18:33

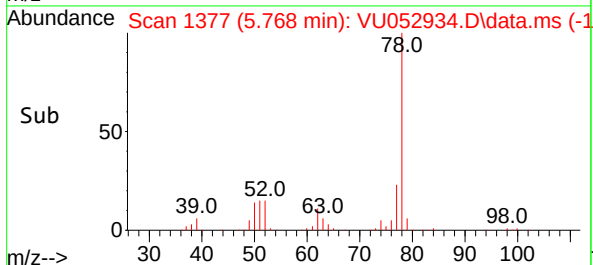
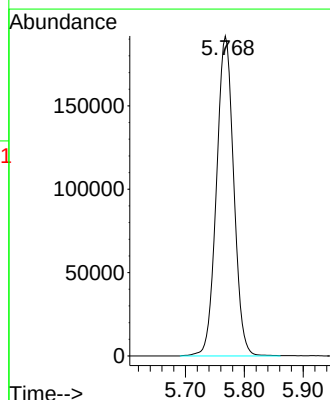
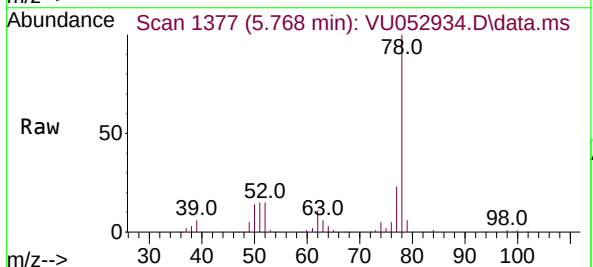
Instrument :
MSVOA_U
ClientSampleId :

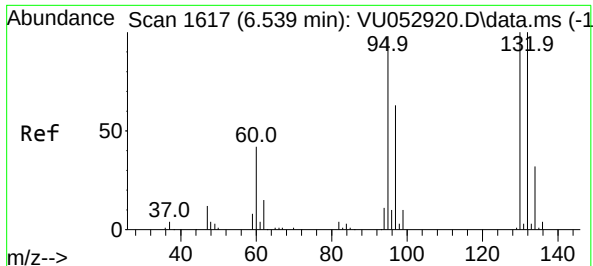
Tgt Ion:117 Resp: 143004
Ion Ratio Lower Upper
117 100
119 95.4 76.2 114.4



#33
Benzene
Concen: 50.098 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU052934.D
Acq: 02 Feb 2023 18:33

Tgt Ion: 78 Resp: 391118





#34

Trichloroethene

Concen: 109.158 ug/L

RT: 6.536 min Scan# 1

Delta R.T. -0.003 min

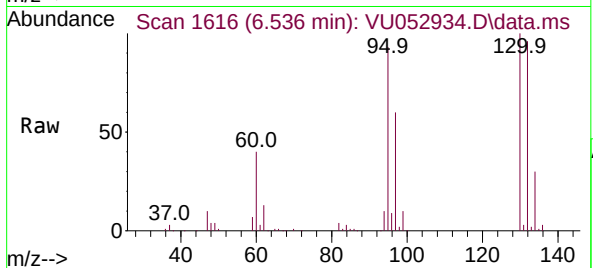
Lab File: VU052934.D

Acq: 02 Feb 2023 18:33

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 216603

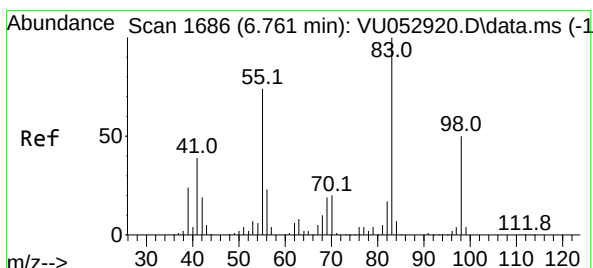
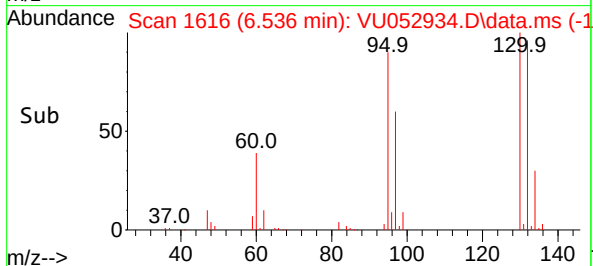
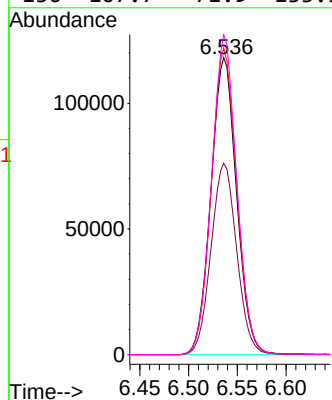
Ion Ratio Lower Upper

95 100

97 64.4 44.5 82.7

132 103.2 66.8 124.0

130 107.7 71.9 133.5



#35

Methylcyclohexane

Concen: 46.948 ug/L

RT: 6.758 min Scan# 1685

Delta R.T. -0.003 min

Lab File: VU052934.D

Acq: 02 Feb 2023 18:33

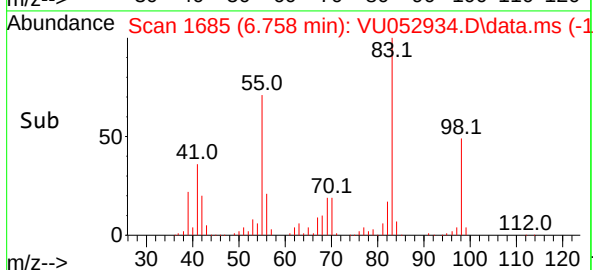
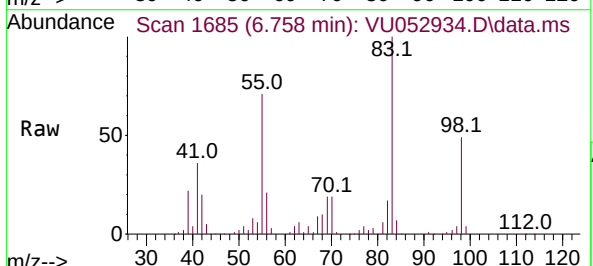
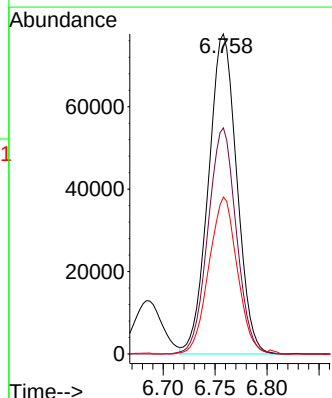
Tgt Ion: 83 Resp: 147445

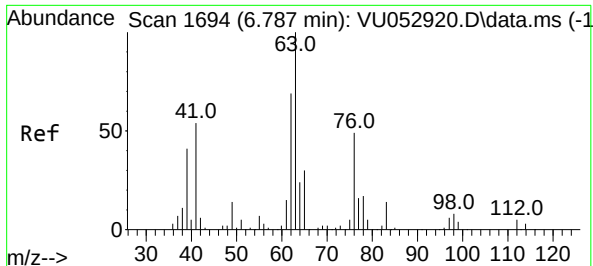
Ion Ratio Lower Upper

83 100

55 70.3 57.1 85.7

98 49.1 38.9 58.3





#37

1,2-Dichloropropane

Concen: 47.095 ug/L

RT: 6.784 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU052934.D

Acq: 02 Feb 2023 18:33

Instrument :

MSVOA_U

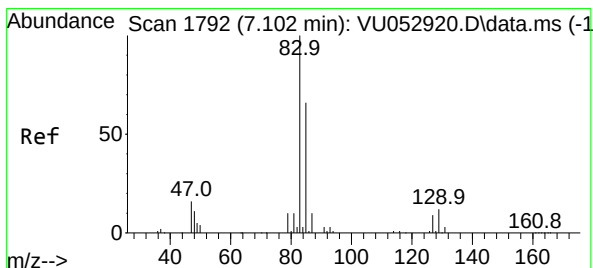
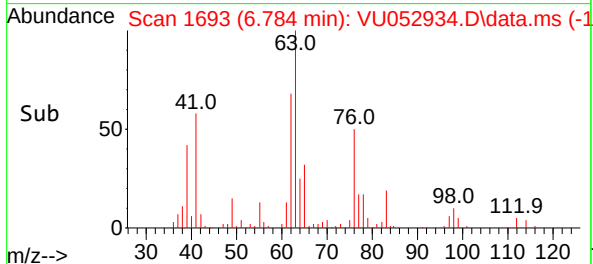
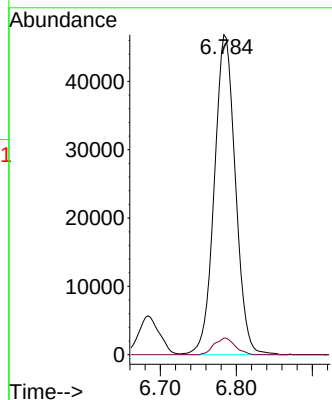
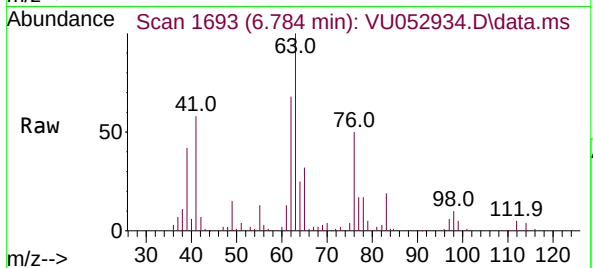
ClientSampleId :

Tgt Ion: 63 Resp: 90393

Ion Ratio Lower Upper

63 100

112 5.1 3.8 5.8



#38

Bromodichloromethane

Concen: 47.242 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VU052934.D

Acq: 02 Feb 2023 18:33

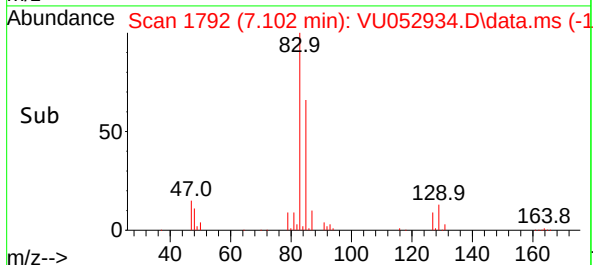
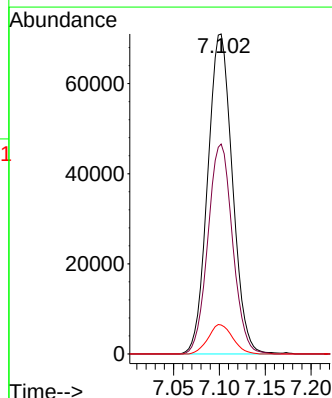
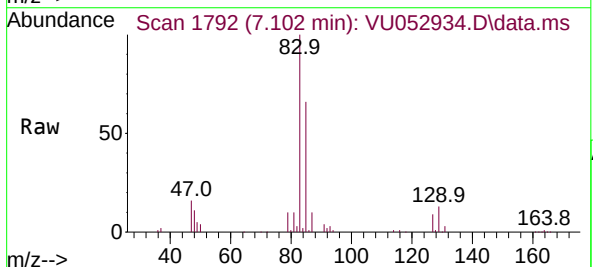
Tgt Ion: 83 Resp: 133061

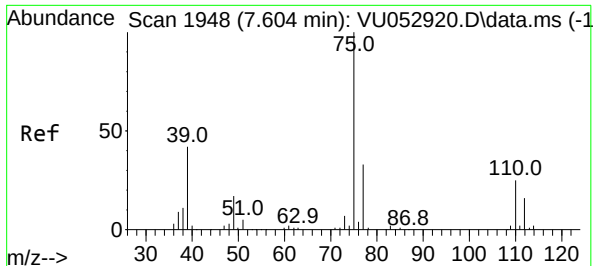
Ion Ratio Lower Upper

83 100

85 65.6 45.2 84.0

127 9.1 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 47.380 ug/L

RT: 7.600 min Scan# 1948

Delta R.T. -0.003 min

Lab File: VU052934.D

Acq: 02 Feb 2023 18:33

Instrument :

MSVOA_U

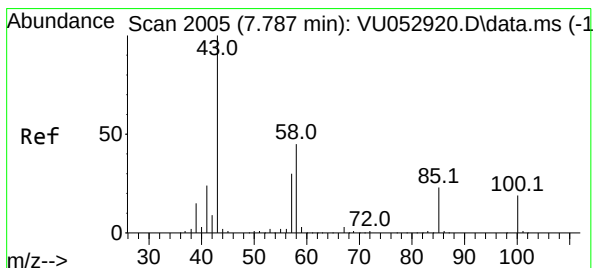
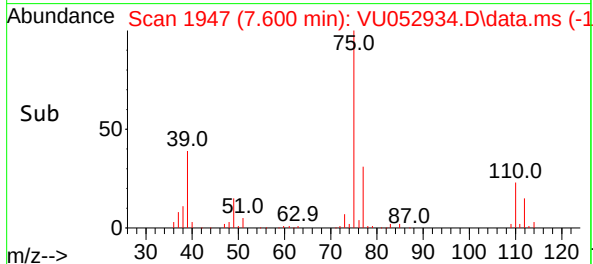
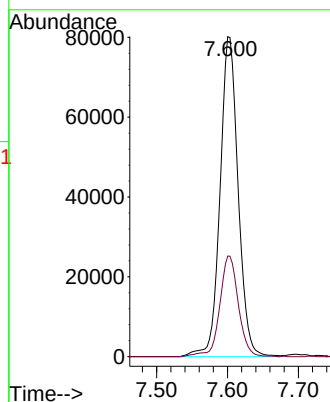
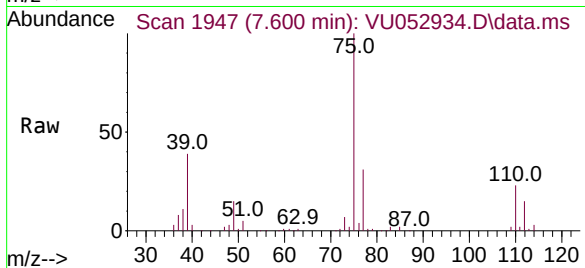
ClientSampleId :

Tgt Ion: 75 Resp: 142453

Ion Ratio Lower Upper

75 100

77 31.5 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 86.429 ug/L

RT: 7.803 min Scan# 2010

Delta R.T. 0.016 min

Lab File: VU052934.D

Acq: 02 Feb 2023 18:33

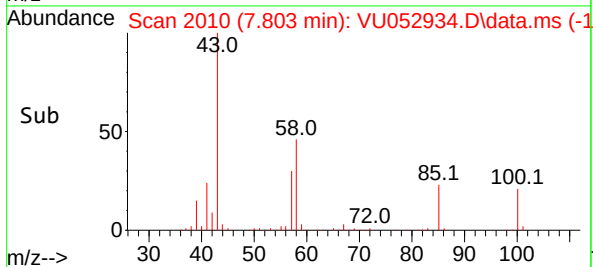
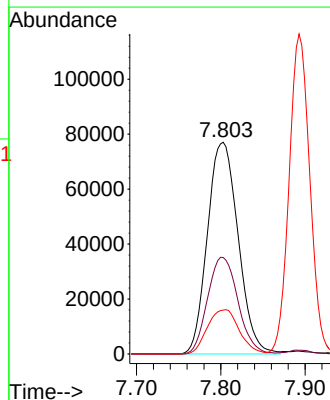
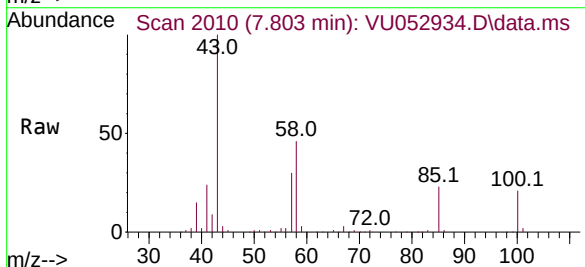
Tgt Ion: 43 Resp: 195440

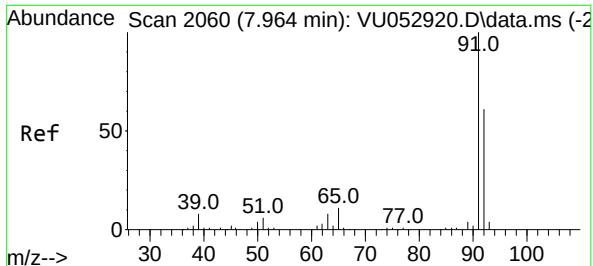
Ion Ratio Lower Upper

43 100

58 45.1 35.4 53.2

100 21.6 16.0 24.0





#42

Toluene

Concen: 48.238 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. -0.000 min

Lab File: VU052934.D

Acq: 02 Feb 2023 18:33

Instrument :

MSVOA_U

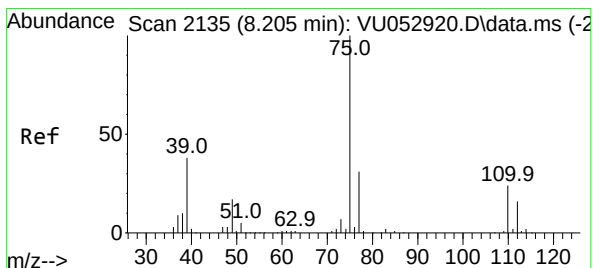
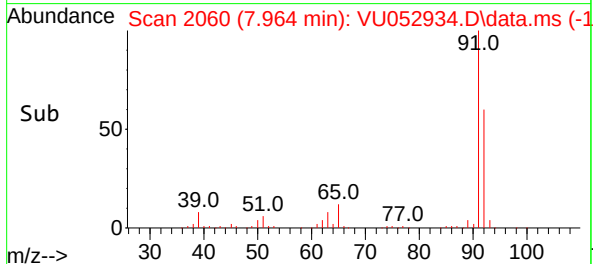
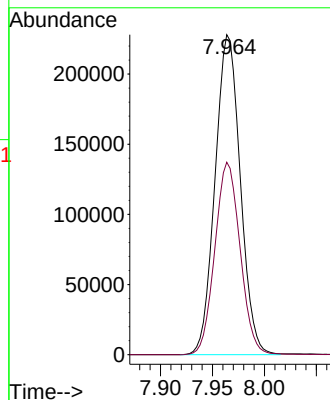
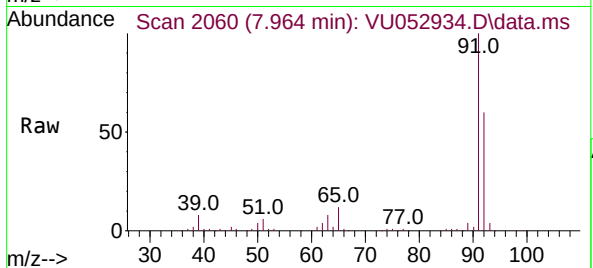
ClientSampleId :

Tgt Ion: 91 Resp: 385961

Ion Ratio Lower Upper

91 100

92 60.2 42.6 79.0



#44

trans-1,3-Dichloropropene

Concen: 47.365 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU052934.D

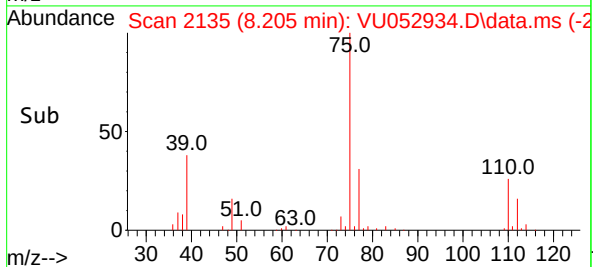
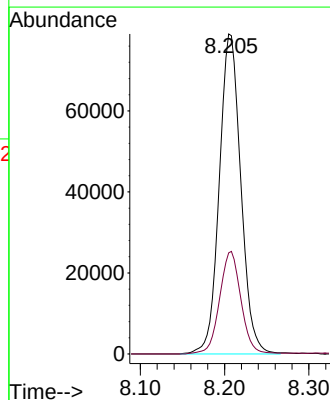
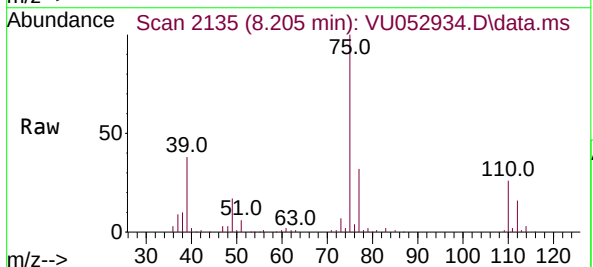
Acq: 02 Feb 2023 18:33

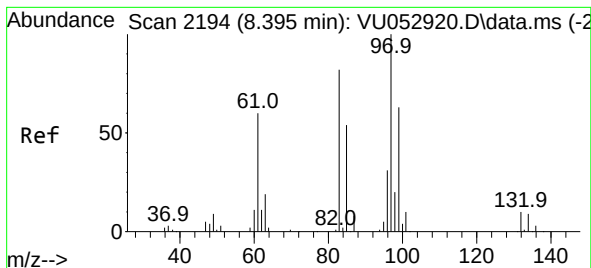
Tgt Ion: 75 Resp: 139950

Ion Ratio Lower Upper

75 100

77 31.6 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 48.069 ug/L

RT: 8.398 min Scan# 2195

Delta R.T. 0.003 min

Lab File: VU052934.D

Acq: 02 Feb 2023 18:33

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 94348

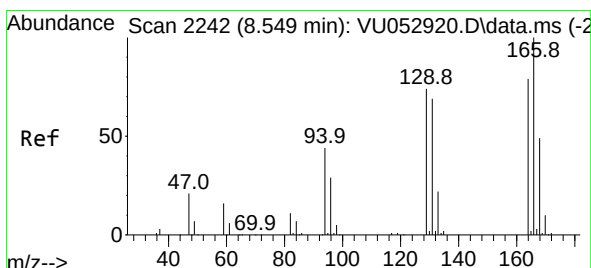
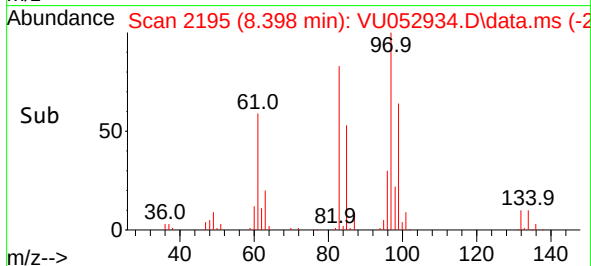
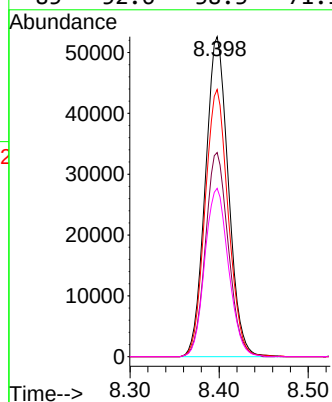
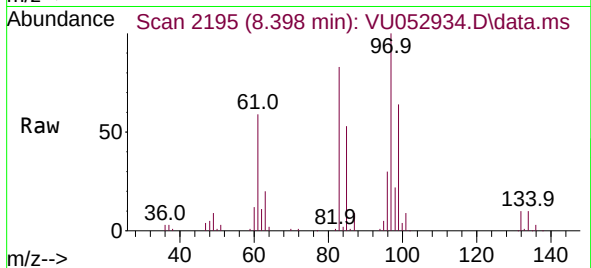
Ion Ratio Lower Upper

97 100

99 63.8 44.7 83.1

83 83.5 60.3 112.1

85 52.6 38.3 71.1



#46

Tetrachloroethene

Concen: 47.325 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. -0.000 min

Lab File: VU052934.D

Acq: 02 Feb 2023 18:33

Tgt Ion:164 Resp: 80862

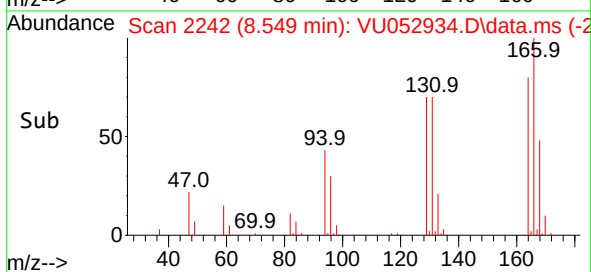
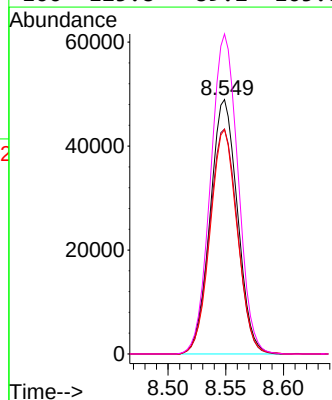
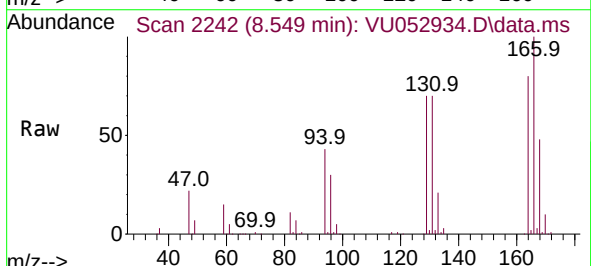
Ion Ratio Lower Upper

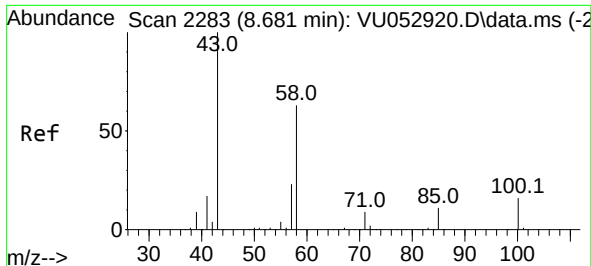
164 100

129 88.4 64.8 120.3

131 88.2 61.2 113.6

166 125.8 89.2 165.8

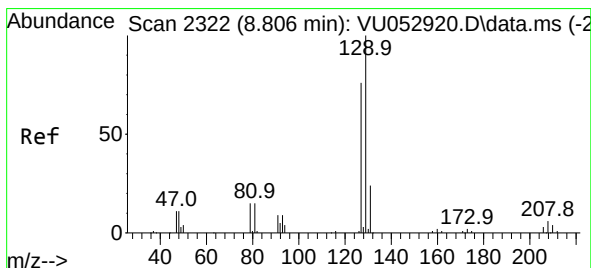
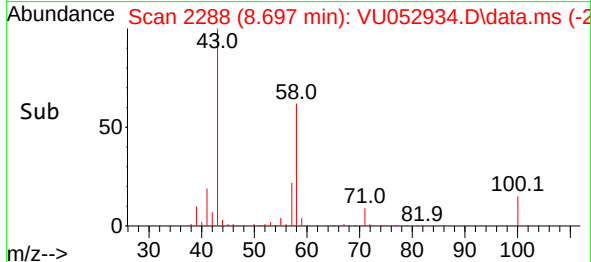
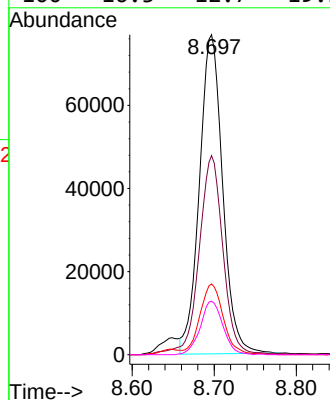
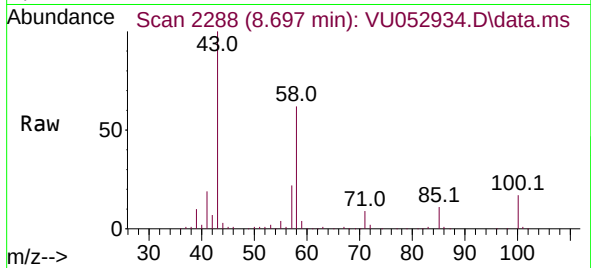




#48
2-Hexanone
Concen: 78.990 ug/L
RT: 8.697 min Scan# 21
Delta R.T. 0.016 min
Lab File: VU052934.D
Acq: 02 Feb 2023 18:33

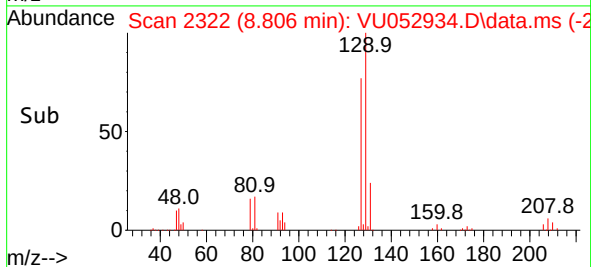
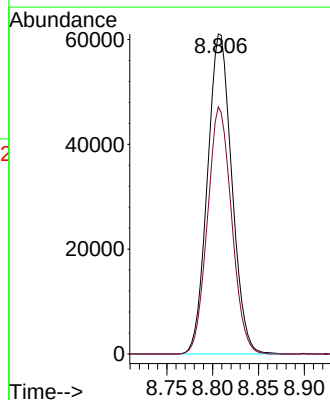
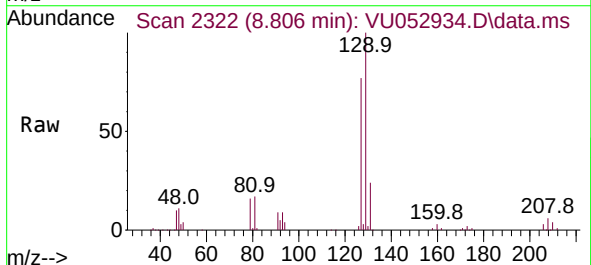
Instrument :
MSVOA_U
ClientSampleId :

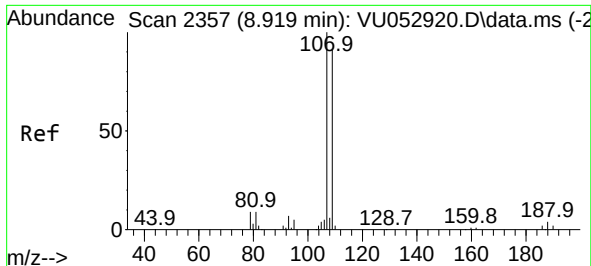
Tgt Ion: 43	Resp: 151108
Ion Ratio	Lower Upper
43 100	
58 63.9	48.0 72.0
57 21.7	16.8 25.2
100 16.3	12.7 19.1



#49
Dibromochloromethane
Concen: 48.171 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU052934.D
Acq: 02 Feb 2023 18:33

Tgt Ion:129	Resp: 113068		
Ion Ratio	Lower	Upper	
129 100			
127 77.2	53.2	98.8	





#50

1,2-Dibromoethane

Concen: 46.375 ug/L

RT: 8.919 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU052934.D

Acq: 02 Feb 2023 18:33

Instrument :

MSVOA_U

ClientSampleId :

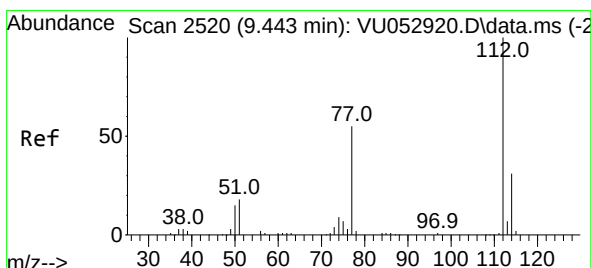
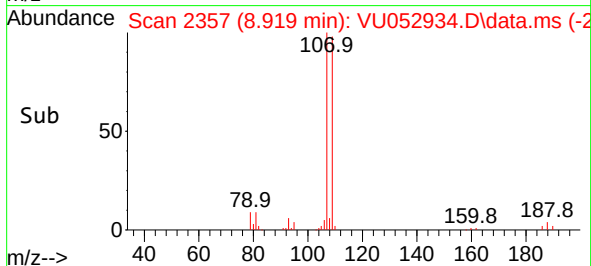
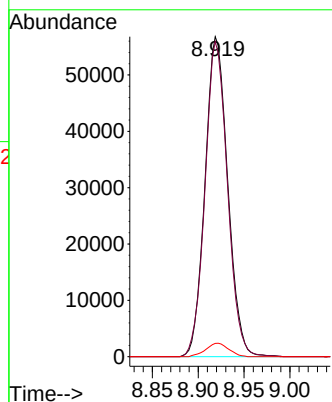
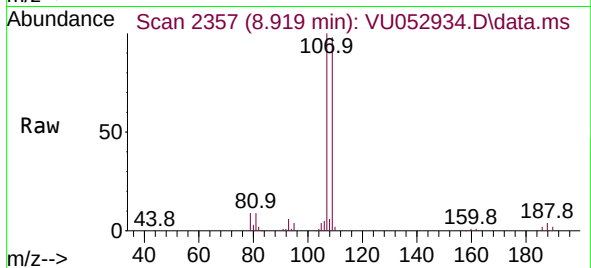
Tgt Ion:107 Resp: 97967

Ion Ratio Lower Upper

107 100

109 98.5 65.5 121.6

188 4.1 3.2 4.8



#51

Chlorobenzene

Concen: 164.528 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU052934.D

Acq: 02 Feb 2023 18:33

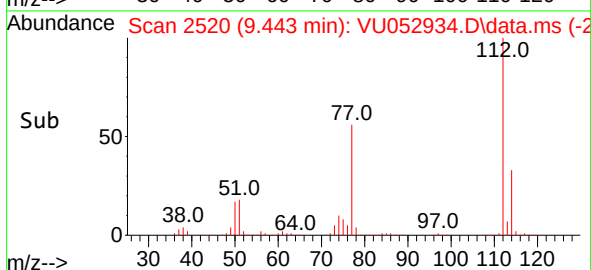
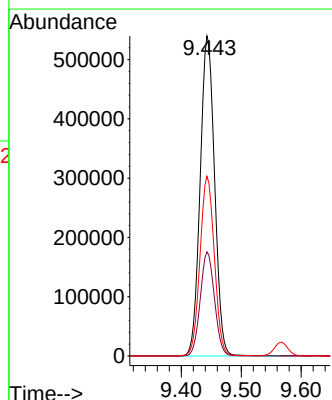
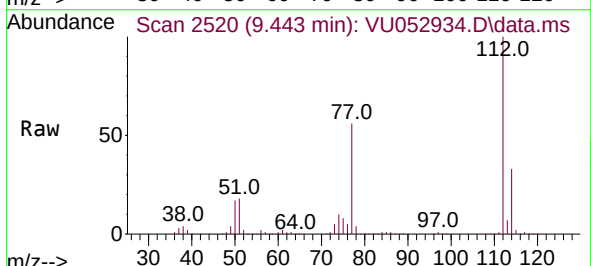
Tgt Ion:112 Resp: 905691

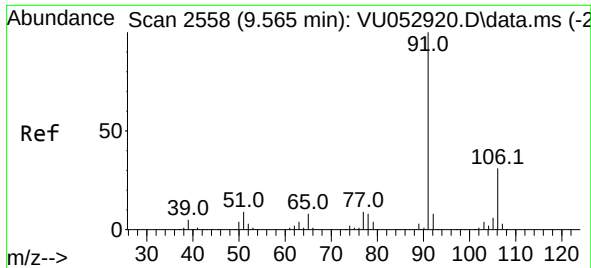
Ion Ratio Lower Upper

112 100

114 32.6 22.8 42.4

77 56.2 45.9 68.9

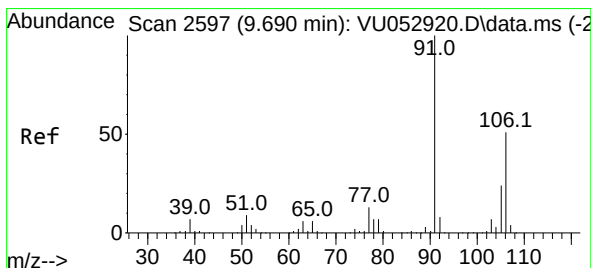
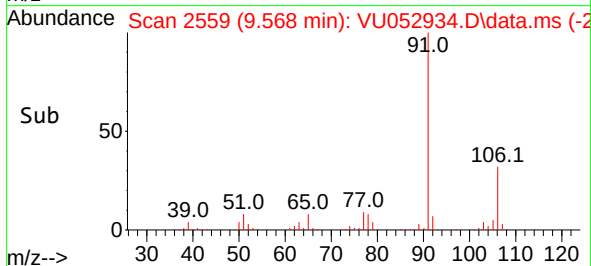
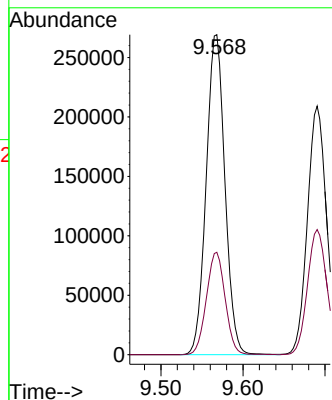
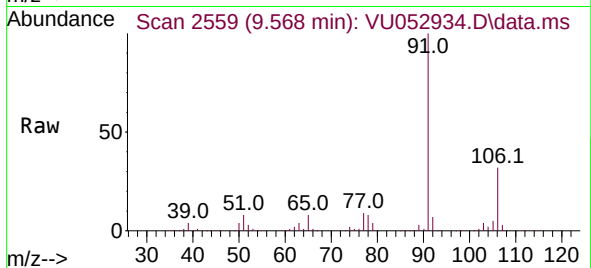




#52
Ethylbenzene
Concen: 50.073 ug/L
RT: 9.568 min Scan# 2558
Delta R.T. 0.003 min
Lab File: VU052934.D
Acq: 02 Feb 2023 18:33

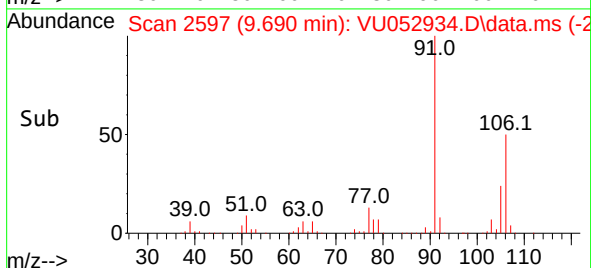
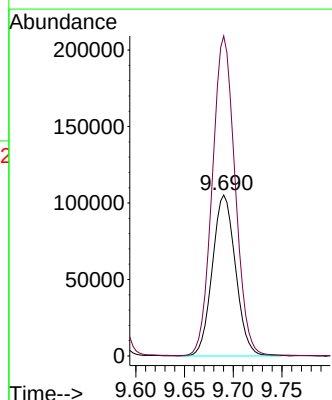
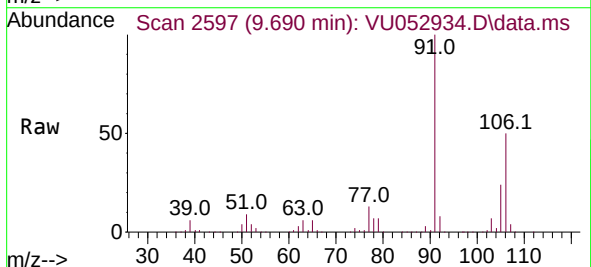
Instrument :
MSVOA_U
ClientSampleId :

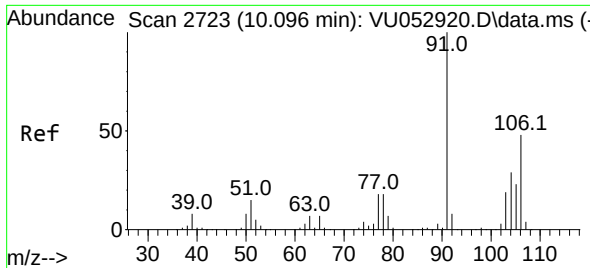
Tgt Ion: 91 Resp: 428153
Ion Ratio Lower Upper
91 100
106 32.0 22.0 40.8



#53
m,p-Xylene
Concen: 50.334 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU052934.D
Acq: 02 Feb 2023 18:33

Tgt Ion:106 Resp: 174236
Ion Ratio Lower Upper
106 100
91 198.8 137.4 255.2

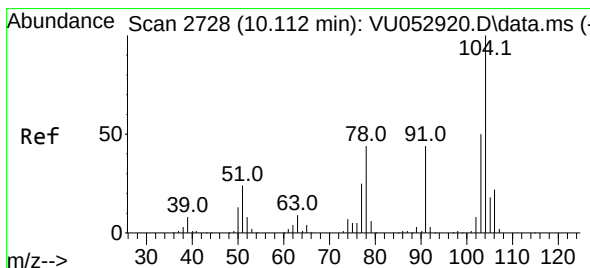
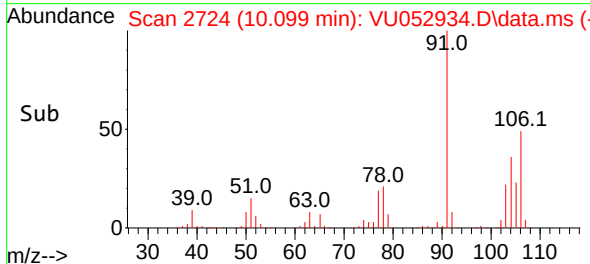
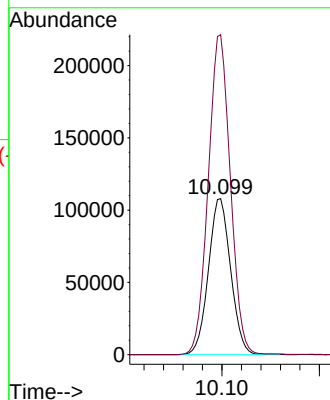
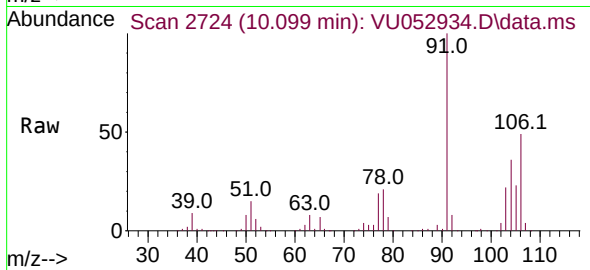




#54
o-xylene
Concen: 51.713 ug/L
RT: 10.099 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU052934.D
Acq: 02 Feb 2023 18:33

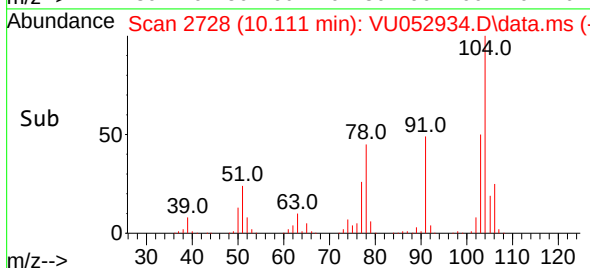
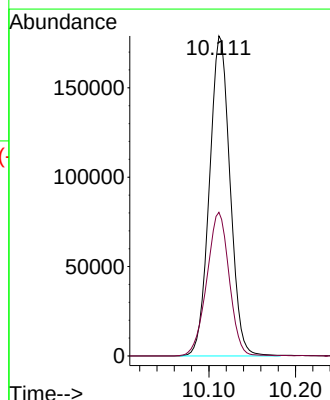
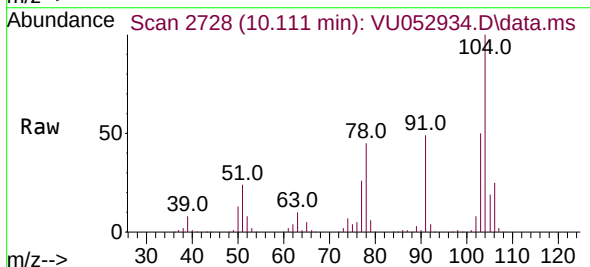
Instrument :
MSVOA_U
ClientSampleId :

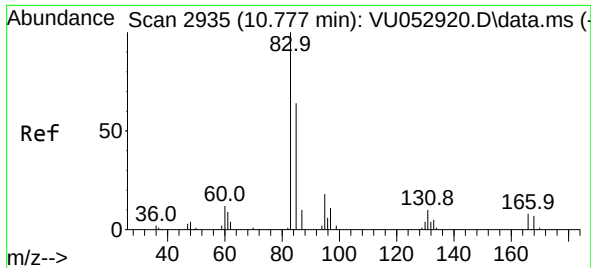
Tgt Ion:106 Resp: 170892
Ion Ratio Lower Upper
106 100
91 205.0 143.4 266.2



#55
Styrene
Concen: 52.248 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.000 min
Lab File: VU052934.D
Acq: 02 Feb 2023 18:33

Tgt Ion:104 Resp: 296281
Ion Ratio Lower Upper
104 100
78 44.9 31.9 59.2

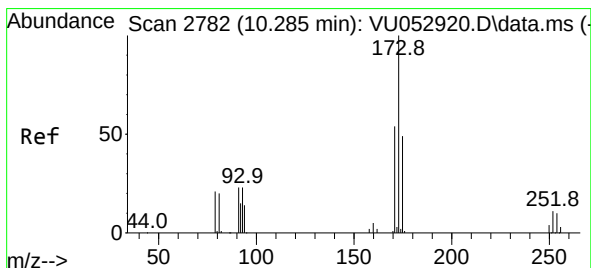
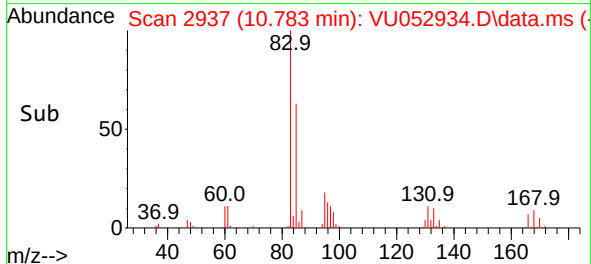
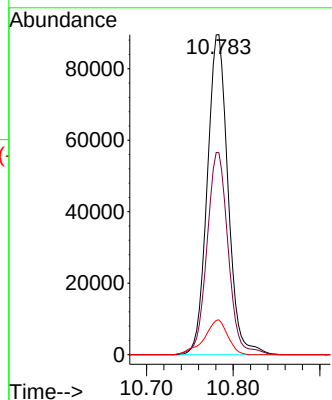
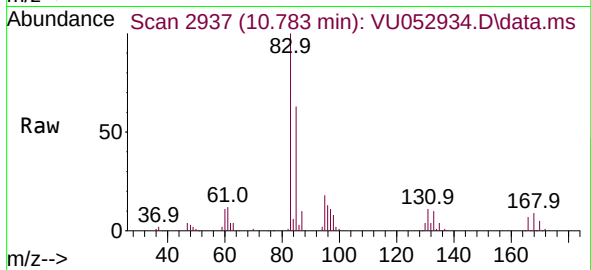




#57
1,1,2,2-Tetrachloroethane
Concen: 46.863 ug/L
RT: 10.783 min Scan# 2937
Delta R.T. 0.006 min
Lab File: VU052934.D
Acq: 02 Feb 2023 18:33

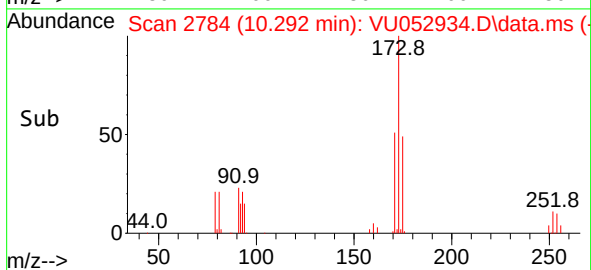
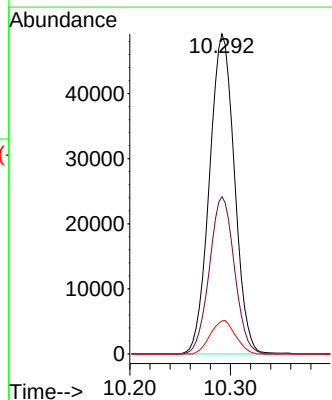
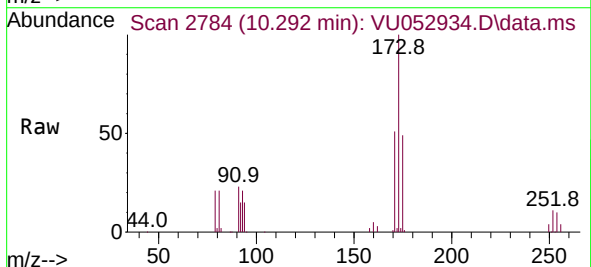
Instrument :
MSVOA_U
ClientSampleId :

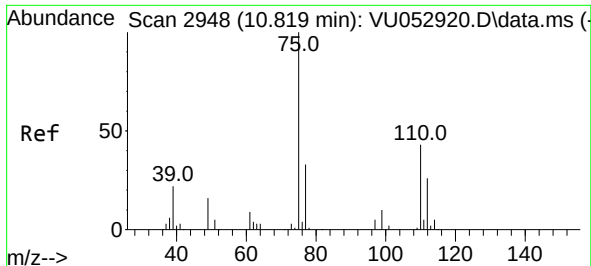
Tgt Ion: 83 Resp: 148858
Ion Ratio Lower Upper
83 100
85 63.1 45.0 83.6
131 10.9 8.6 12.8



#59
Bromoform
Concen: 45.138 ug/L
RT: 10.292 min Scan# 2784
Delta R.T. 0.006 min
Lab File: VU052934.D
Acq: 02 Feb 2023 18:33

Tgt Ion: 173 Resp: 85070
Ion Ratio Lower Upper
173 100
175 49.0 37.7 56.5
254 10.5 8.3 12.5

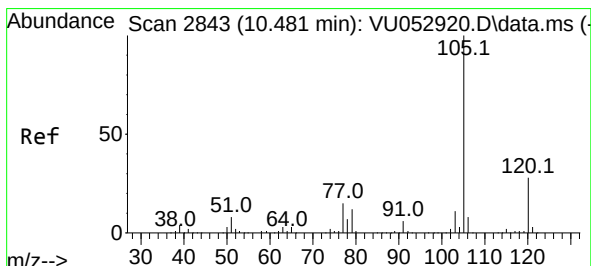
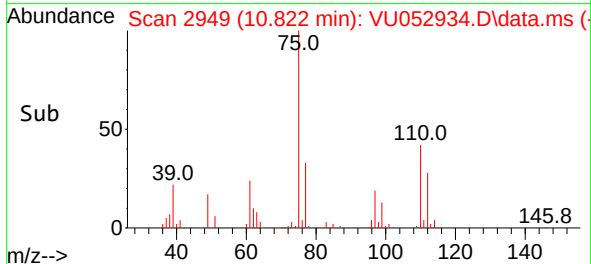
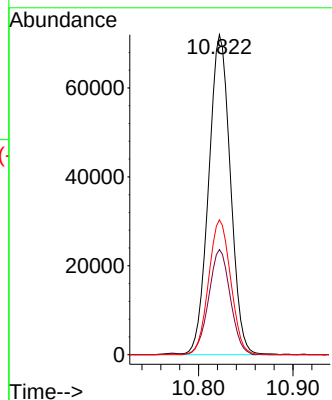
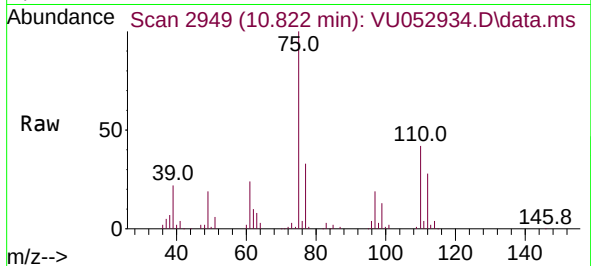




#60
1,2,3-Trichloropropane
Concen: 43.103 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU052934.D
Acq: 02 Feb 2023 18:33

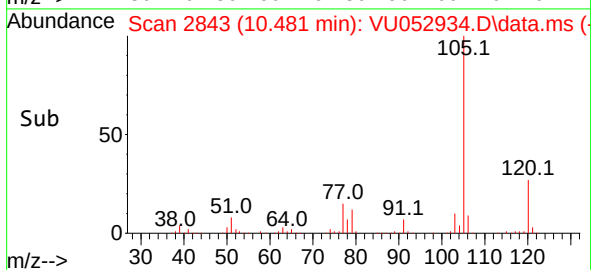
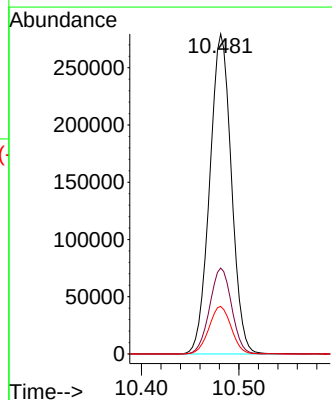
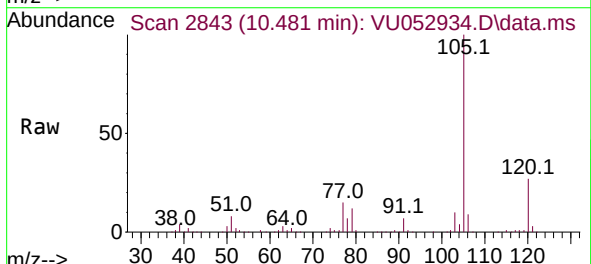
Instrument :
MSVOA_U
ClientSampleId :

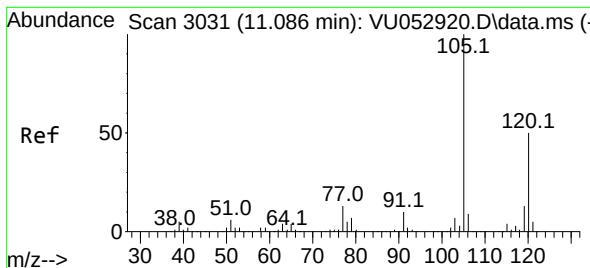
Tgt Ion: 75 Resp: 114990
Ion Ratio Lower Upper
75 100
77 32.7 25.8 38.8
110 42.7 32.4 48.6



#61
Isopropylbenzene
Concen: 48.705 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU052934.D
Acq: 02 Feb 2023 18:33

Tgt Ion: 105 Resp: 432623
Ion Ratio Lower Upper
105 100
120 27.2 21.4 32.2
77 15.2 12.2 18.2





#62

1,3,5-Trimethylbenzene

Concen: 49.541 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. -0.000 min

Lab File: VU052934.D

Acq: 02 Feb 2023 18:33

Instrument :

MSVOA_U

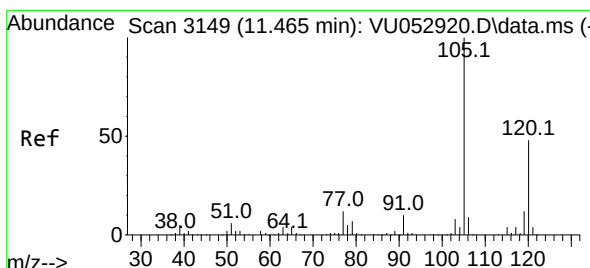
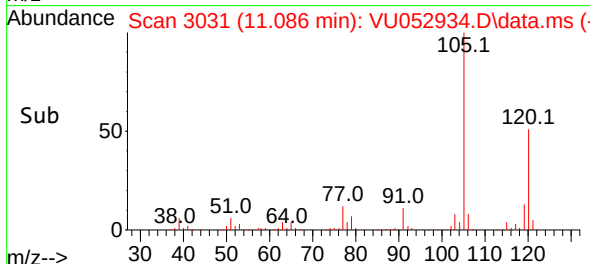
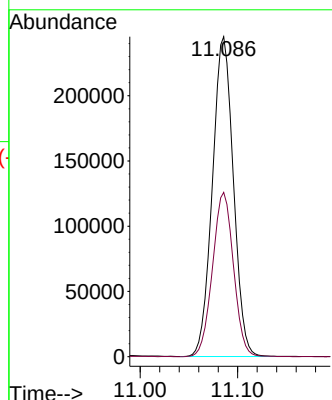
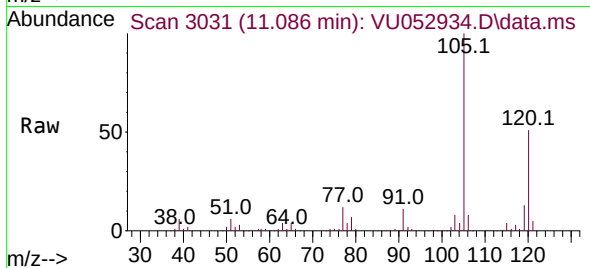
ClientSampleId :

Tgt Ion:105 Resp: 366408

Ion Ratio Lower Upper

105 100

120 51.4 40.4 60.6



#63

1,2,4-Trimethylbenzene

Concen: 50.971 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. -0.000 min

Lab File: VU052934.D

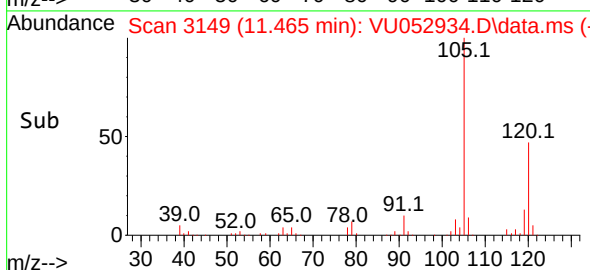
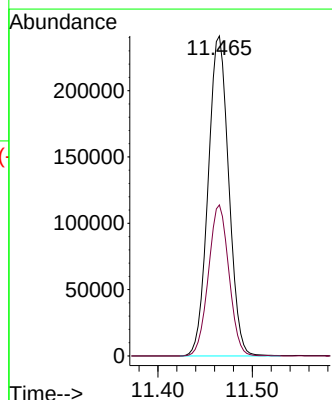
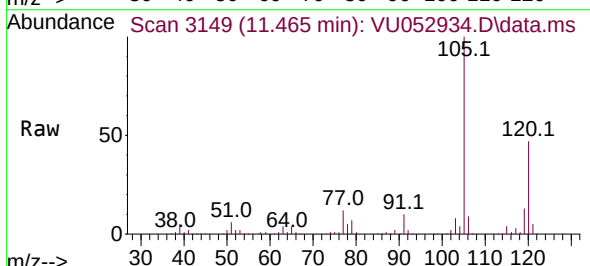
Acq: 02 Feb 2023 18:33

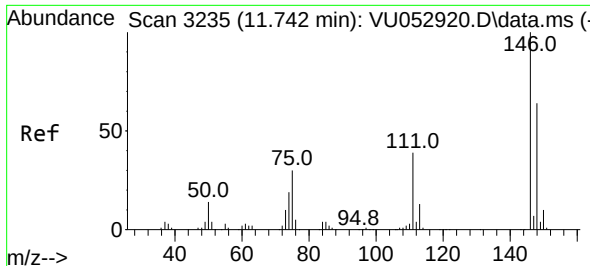
Tgt Ion:105 Resp: 364787

Ion Ratio Lower Upper

105 100

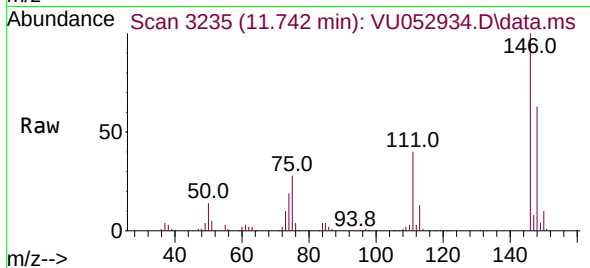
120 47.0 38.1 57.1



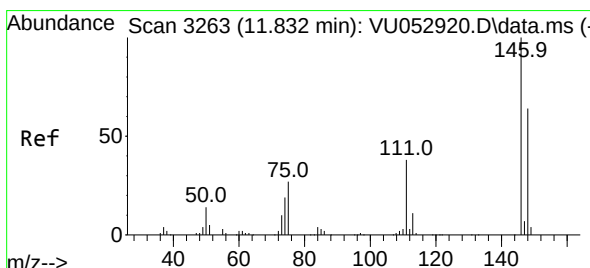
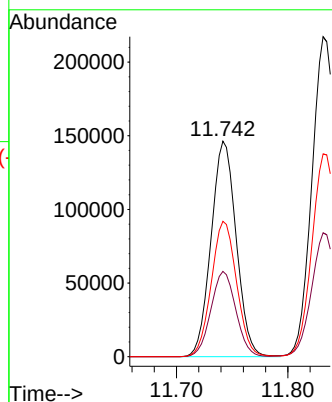
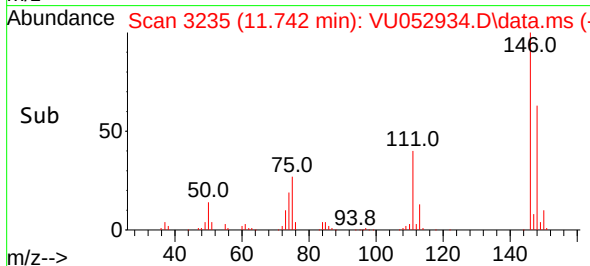


#64
1,3-Dichlorobenzene
Concen: 51.225 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. -0.000 min
Lab File: VU052934.D
Acq: 02 Feb 2023 18:33

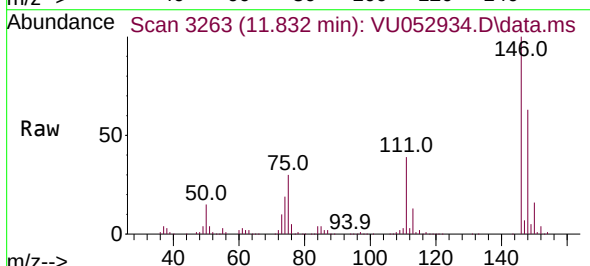
Instrument :
MSVOA_U
ClientSampleId :



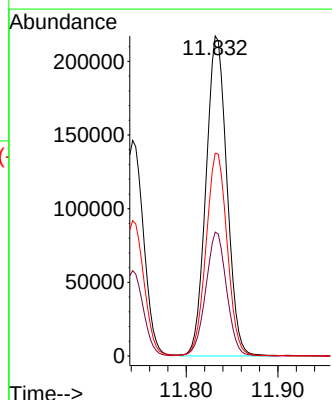
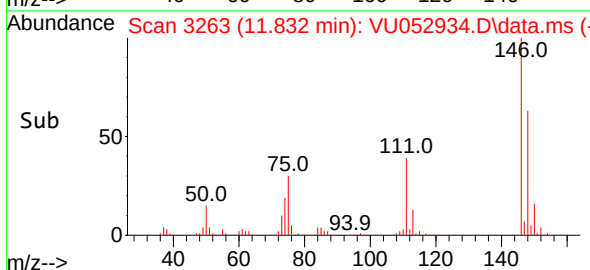
Tgt Ion:146 Resp: 229566
Ion Ratio Lower Upper
146 100
111 39.6 27.8 51.6
148 62.9 45.5 84.5

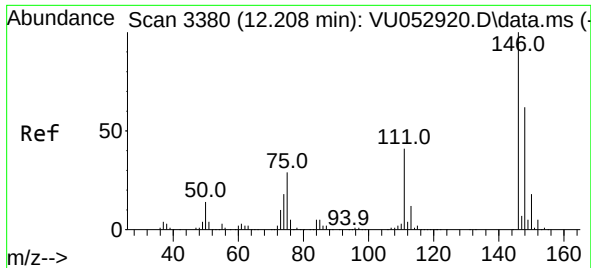


#65
1,4-Dichlorobenzene
Concen: 74.193 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU052934.D
Acq: 02 Feb 2023 18:33



Tgt Ion:146 Resp: 344211
Ion Ratio Lower Upper
146 100
111 38.7 26.7 49.7
148 63.4 45.6 84.6

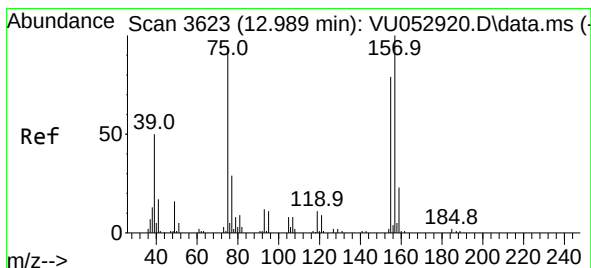
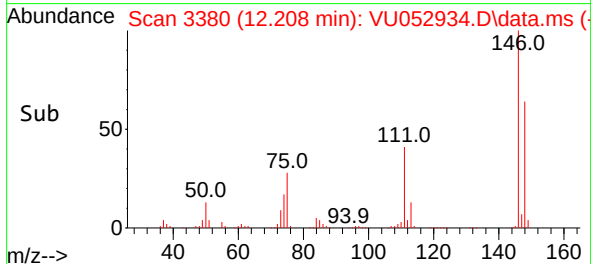
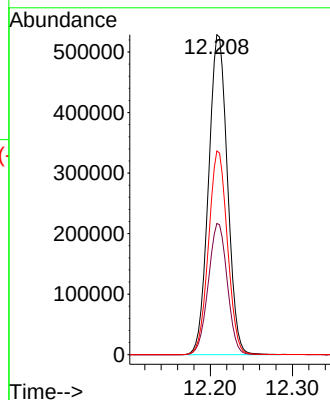
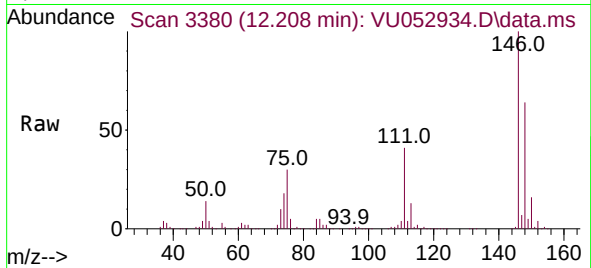




#67
1,2-Dichlorobenzene
Concen: 186.306 ug/L
RT: 12.208 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU052934.D
Acq: 02 Feb 2023 18:33

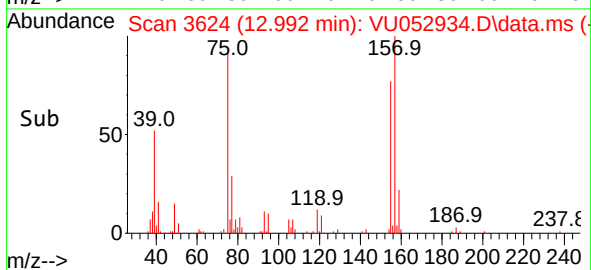
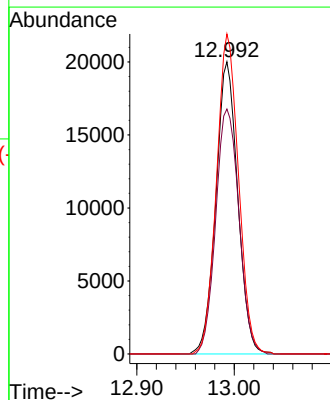
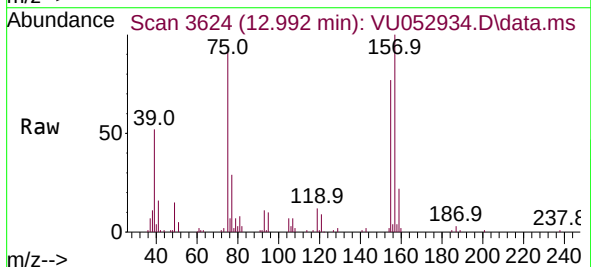
Instrument :
MSVOA_U
ClientSampleId :

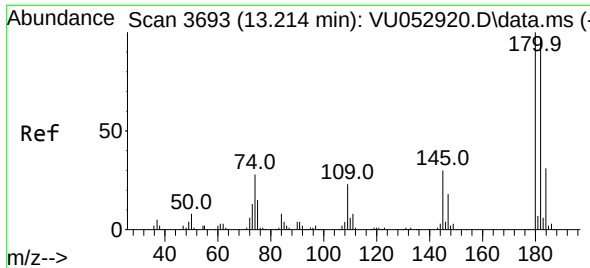
Tgt Ion:146 Resp: 844508
Ion Ratio Lower Upper
146 100
111 41.0 33.2 49.8
148 63.6 50.2 75.4



#68
1,2-Dibromo-3-chloropropane
Concen: 40.782 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. 0.003 min
Lab File: VU052934.D
Acq: 02 Feb 2023 18:33

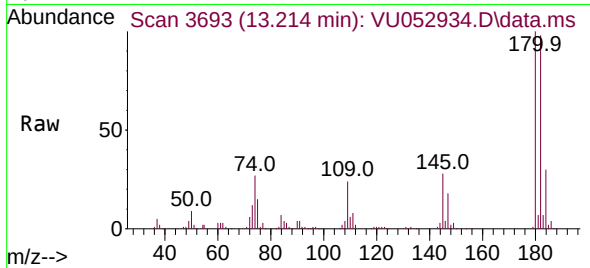
Tgt Ion: 75 Resp: 31186
Ion Ratio Lower Upper
75 100
155 83.8 69.2 103.8
157 109.5 91.2 136.8





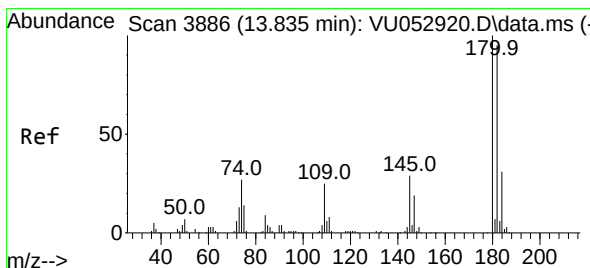
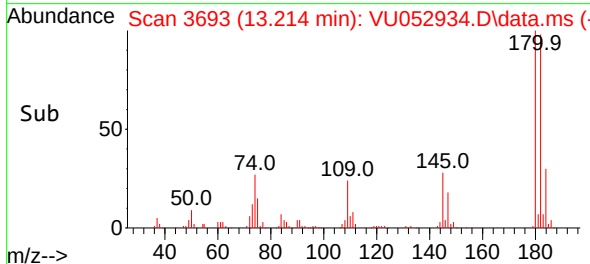
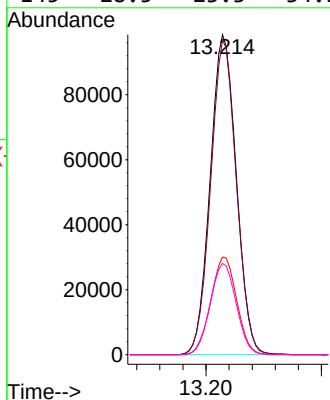
#69
 1,3,5-Trichlorobenzene
 Concen: 46.534 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. -0.000 min
 Lab File: VU052934.D
 Acq: 02 Feb 2023 18:33

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 154387

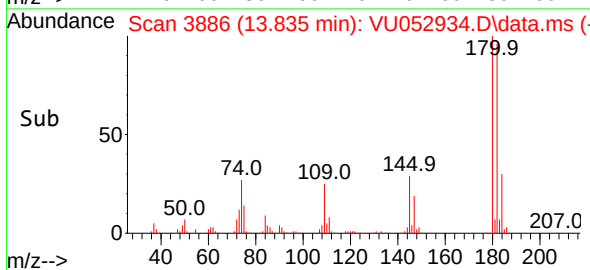
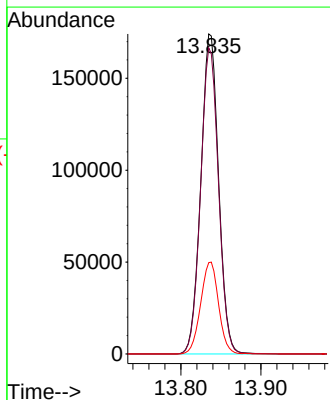
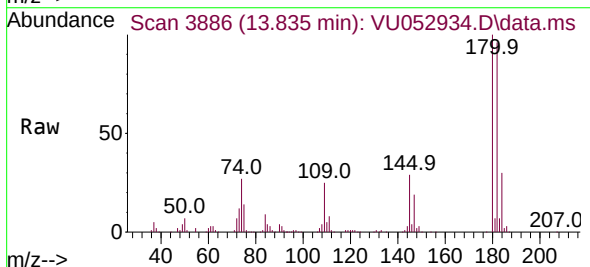
Ion	Ratio	Lower	Upper
180	100		
182	96.7	77.0	115.6
184	30.3	24.4	36.6
145	28.5	23.3	34.9

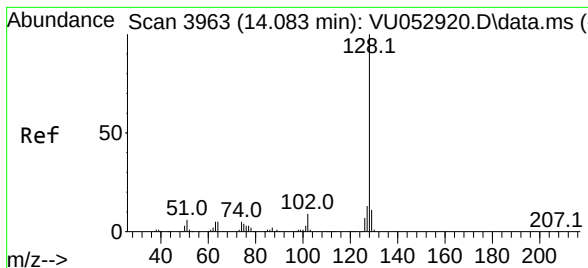


#70
 1,2,4-trichlorobenzene
 Concen: 97.090 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. -0.000 min
 Lab File: VU052934.D
 Acq: 02 Feb 2023 18:33

Tgt Ion:180 Resp: 270062

Ion	Ratio	Lower	Upper
180	100		
182	96.0	78.2	117.2
145	28.8	23.4	35.2





#71

Naphthalene

Concen: 48.892 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. -0.000 min

Lab File: VU052934.D

Acq: 02 Feb 2023 18:33

Instrument :

MSVOA_U

ClientSampleId :

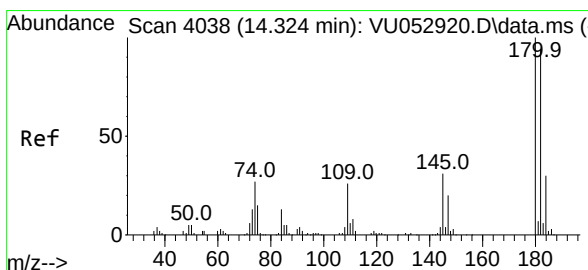
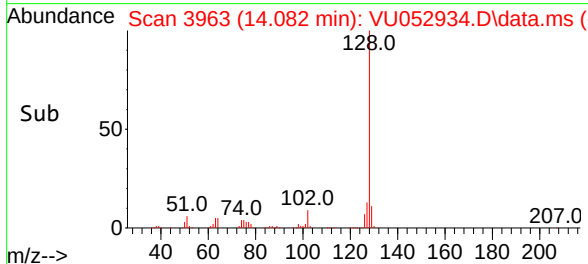
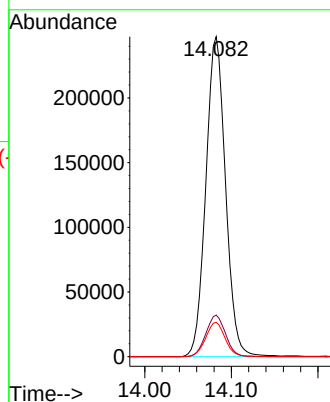
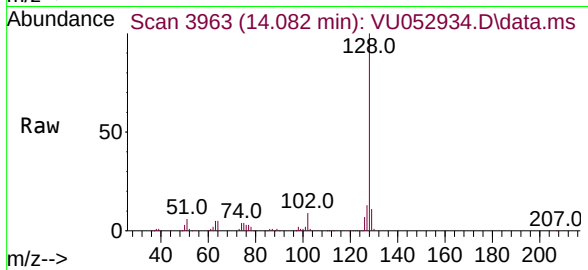
Tgt Ion:128 Resp: 390817

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 10.7 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 61.036 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. 0.003 min

Lab File: VU052934.D

Acq: 02 Feb 2023 18:33

Tgt Ion:180 Resp: 179422

Ion Ratio Lower Upper

180 100

182 94.5 77.5 116.3

145 30.7 24.2 36.4

