

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U020123\
 Data File : U052917.D
 Acq On : 01 Feb 2023 19:50
 Operator : JC/MD
 Sample : 01381-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A44K7

Quant Time: Feb 01 21:01:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 01 20:03:09 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	218362	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.443	117	253172	50.000	ug/L	0.03
58) 1,4-Dichlorobenzene-d4	11.819	152	177816	50.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	55106	35.062	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.120%
7) Chloroethane-d5	1.899	69	52290	40.378	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.760%
11) 1,1-Dichloroethene-d2	2.559	63	95365	30.507	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.020%
21) 2-Butanone-d5	4.629	46	69919	72.014	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	72.010%
24) Chloroform-d	5.057	84	139441	41.572	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.140%
26) 1,2-Dichloroethane-d4	5.697	65	93780	43.787	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.580%
32) Benzene-d6	5.726	84	278904	36.058	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	72.120%
36) 1,2-Dichloropropane-d6	6.693	67	77838	34.312	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	68.620%#
41) Toluene-d8	7.896	98	284423	40.382	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.760%
43) trans-1,3-Dichloroprop...	8.179	79	49028	43.120	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.240%
47) 2-Hexanone-d5	8.645	63	56347	70.691	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	70.690%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	124380	37.110	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	74.220%
66) 1,2-Dichlorobenzene-d4	12.237	152	183543	53.159	ug/L	0.05
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.320%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.575	96	7935	4.912	ug/L #	1
17) trans-1,2-Dichloroethene	3.346	96	1951	1.118	ug/L	96
20) cis-1,2-Dichloroethene	4.658	96	86901	46.625	ug/L	95
25) Chloroform	5.083	83	25655	7.465	ug/L	96
29) Cyclohexane	5.388	56	6070	2.023	ug/L #	95
30) 1,1,1-Trichloroethane	5.314	97	21053	5.653	ug/L	96
31) Carbon tetrachloride	5.314	117	2766	0.857	ug/L	88
33) Benzene	5.771	78	334829	38.852	ug/L	100
35) Methylcyclohexane	6.764	83	7039	2.030	ug/L #	74
37) 1,2-Dichloropropane	6.697	63	9214	4.349	ug/L #	95
42) Toluene	7.967	91	144808	16.395	ug/L	97
46) Tetrachloroethene	8.552	164	4338	2.300	ug/L	94
53) m,p-Xylene	9.690	106	5659	1.481	ug/L	87
64) 1,3-Dichlorobenzene	11.748	146	4844955	836.186	ug/L	99
65) 1,4-Dichlorobenzene	11.748	146	4844955	807.720	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.967	75	6095	6.165	ug/L #	2
69) 1,3,5-Trichlorobenzene	13.838	180	854474	199.203	ug/L	100
70) 1,2,4-trichlorobenzene	13.838	180	854474	237.600	ug/L	98
71) Naphthalene	14.085	128	26413	2.556	ug/L	98

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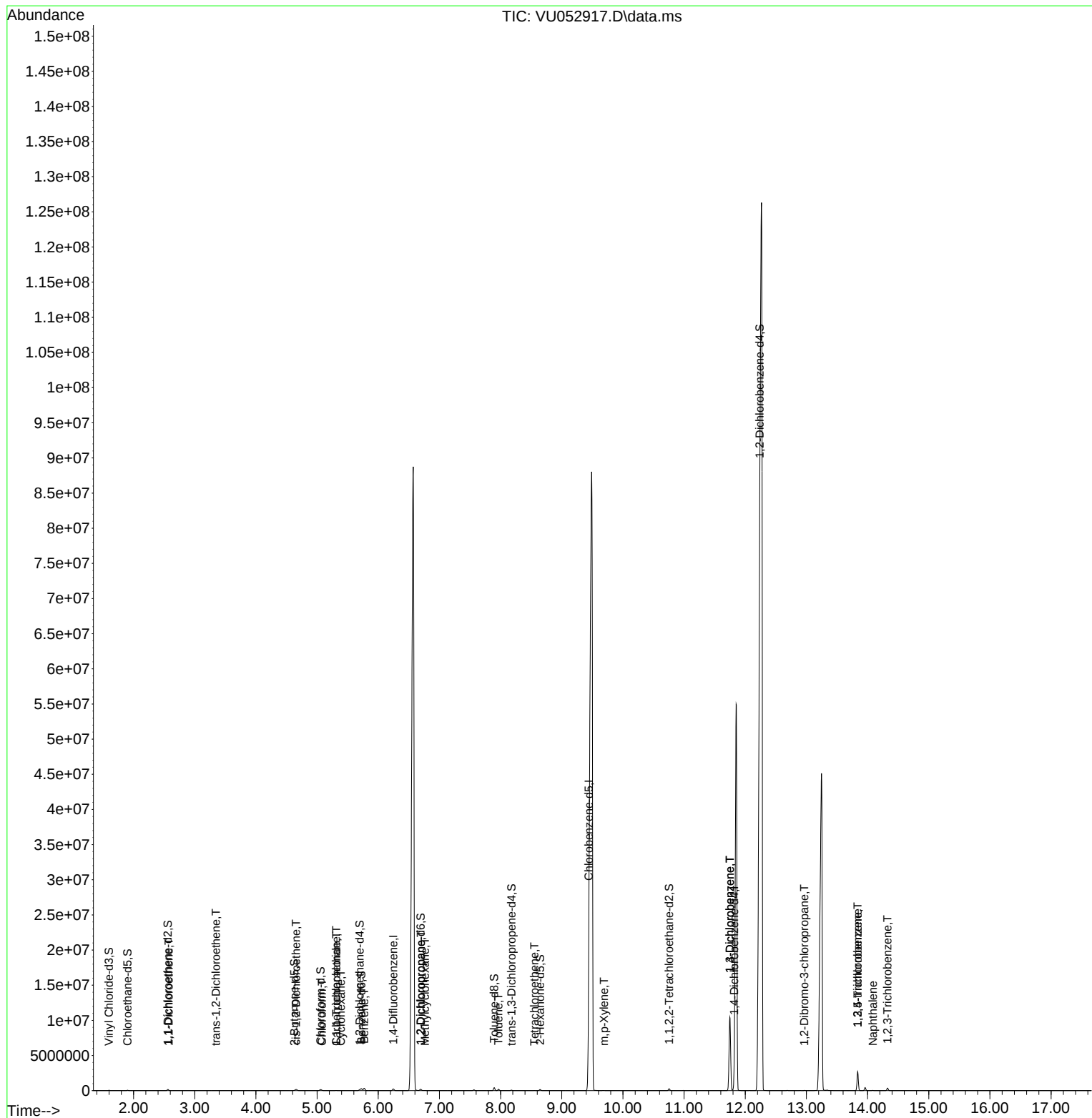
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	14.327	180	113526	29.870	ug/L	98

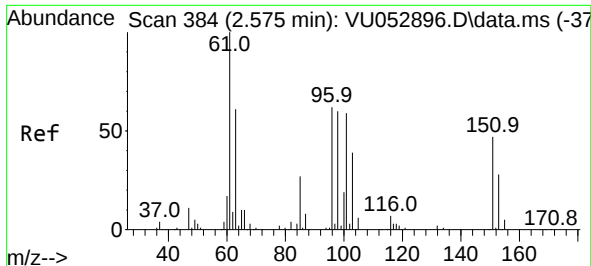
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 4.912 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.000 min

Lab File: VU052917.D

Acq: 01 Feb 2023 19:50

Instrument :

MSVOA_U

ClientSampleId :

A44K7

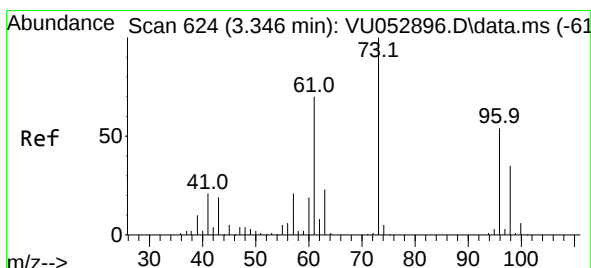
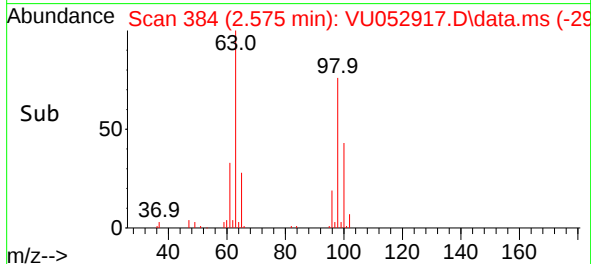
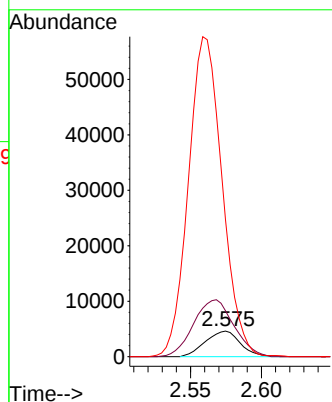
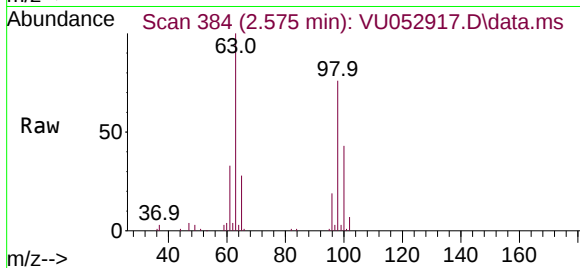
Tgt Ion: 96 Resp: 7935

Ion Ratio Lower Upper

96 100

61 179.6 114.3 212.3

63 537.2 80.6 149.6#



#17

trans-1,2-Dichloroethene

Concen: 1.118 ug/L

RT: 3.346 min Scan# 624

Delta R.T. -0.000 min

Lab File: VU052917.D

Acq: 01 Feb 2023 19:50

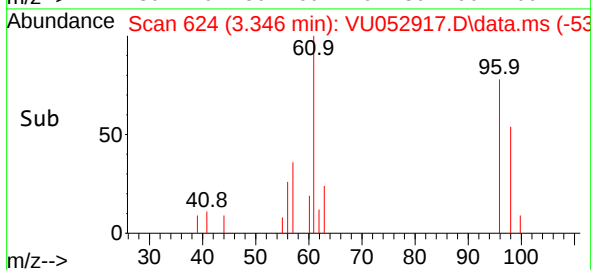
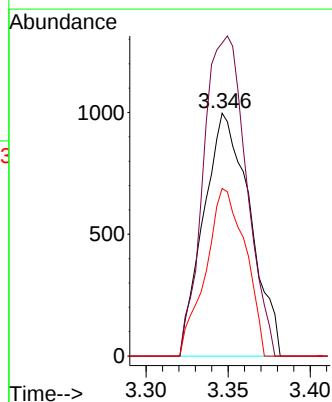
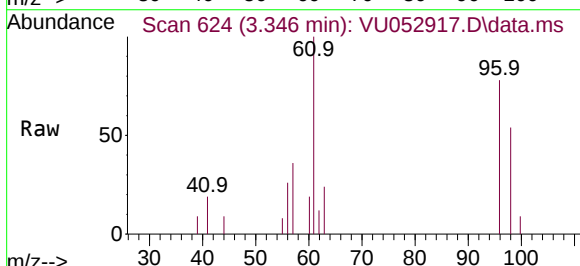
Tgt Ion: 96 Resp: 1951

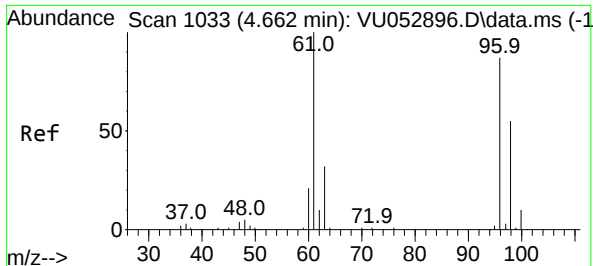
Ion Ratio Lower Upper

96 100

61 128.9 92.7 172.3

98 69.0 44.7 82.9

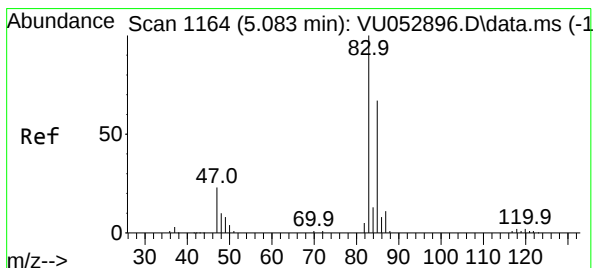
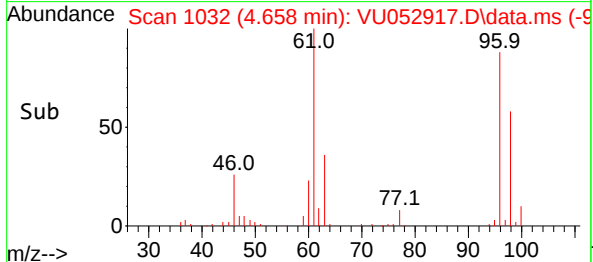
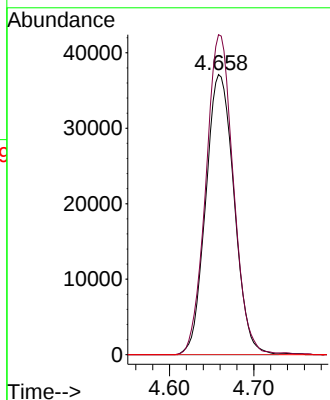
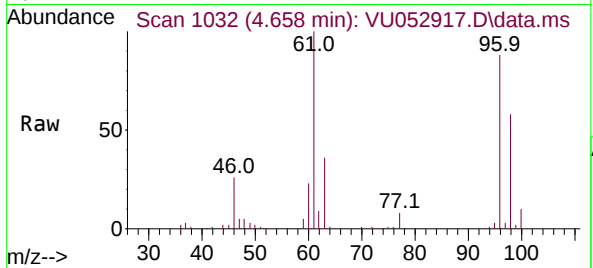




#20
cis-1,2-Dichloroethene
Concen: 46.625 ug/L
RT: 4.658 min Scan# 1032
Delta R.T. -0.003 min
Lab File: VU052917.D
Acq: 01 Feb 2023 19:50

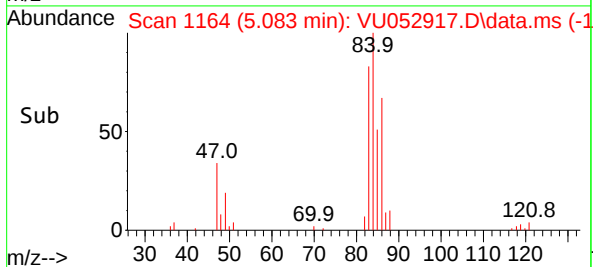
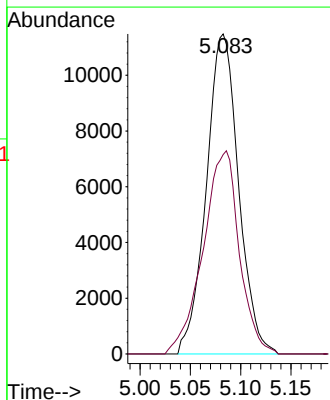
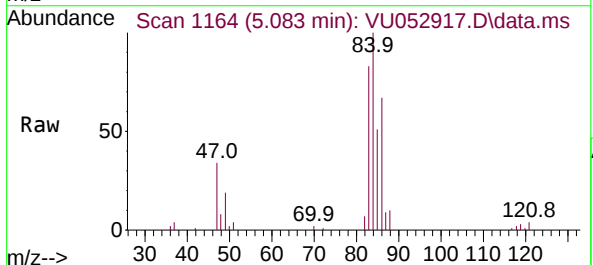
Instrument :
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ClientSampleId :
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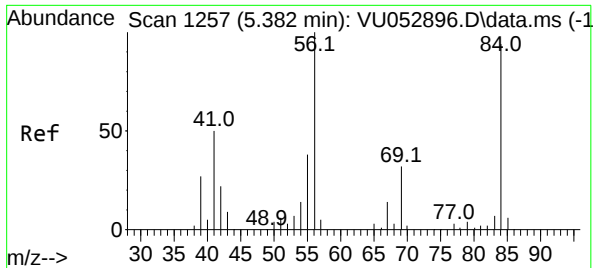
Tgt Ion: 96 Resp: 86901
Ion Ratio Lower Upper
96 100
61 114.2 84.1 156.1
68 0.0 0.0 0.0



#25
Chloroform
Concen: 7.465 ug/L
RT: 5.083 min Scan# 1164
Delta R.T. -0.000 min
Lab File: VU052917.D
Acq: 01 Feb 2023 19:50

Tgt Ion: 83 Resp: 25655
Ion Ratio Lower Upper
83 100
85 62.3 45.8 85.0

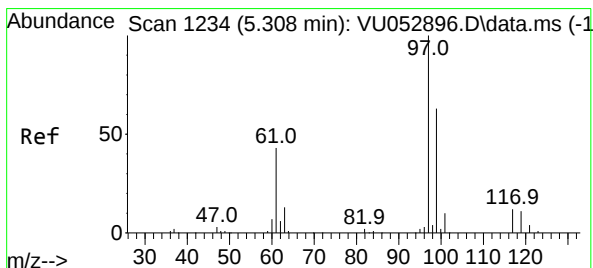
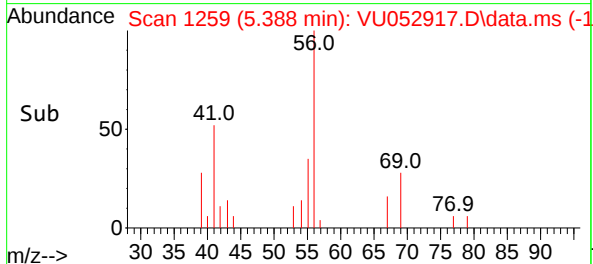
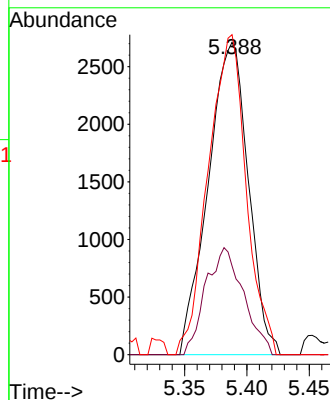
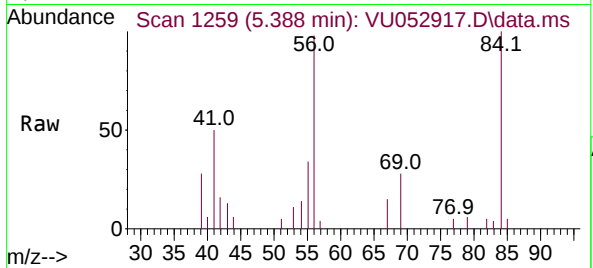




#29
Cyclohexane
Concen: 2.023 ug/L
RT: 5.388 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU052917.D
Acq: 01 Feb 2023 19:50

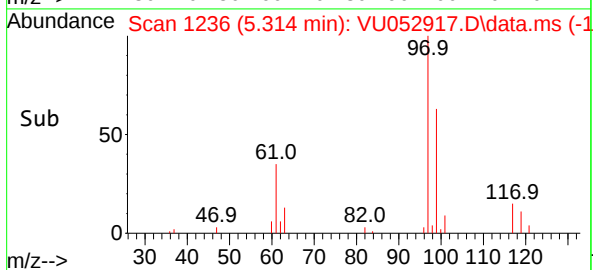
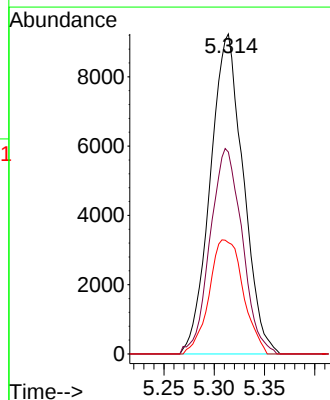
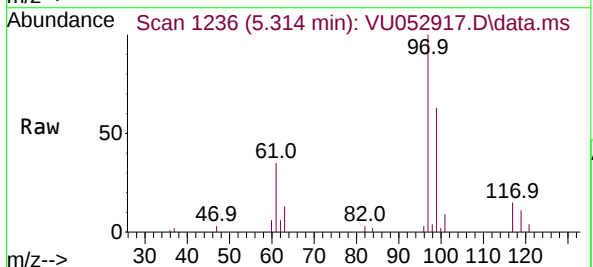
Instrument :
MSVOA_U
ClientSampleId :
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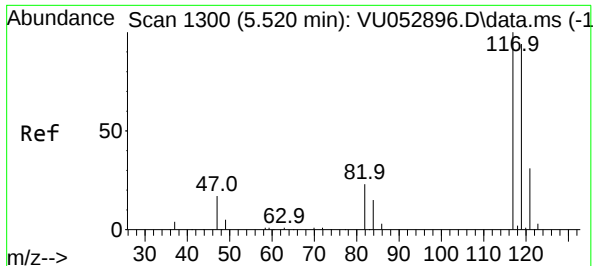
Tgt Ion: 56 Resp: 6070
Ion Ratio Lower Upper
56 100
69 23.4 26.6 40.0#
84 96.8 77.0 115.4



#30
1,1,1-Trichloroethane
Concen: 5.653 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. 0.006 min
Lab File: VU052917.D
Acq: 01 Feb 2023 19:50

Tgt Ion: 97 Resp: 21053
Ion Ratio Lower Upper
97 100
99 62.5 51.4 77.0
61 36.7 33.0 49.6

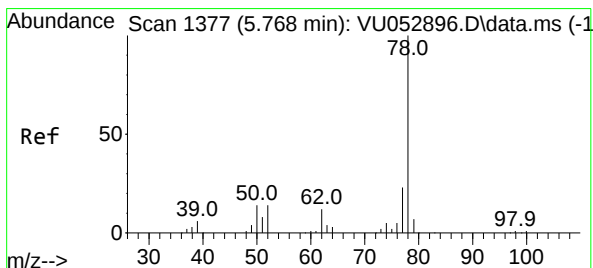
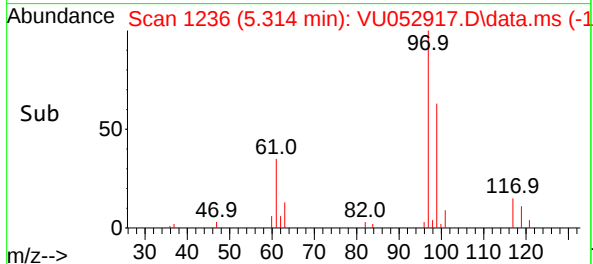
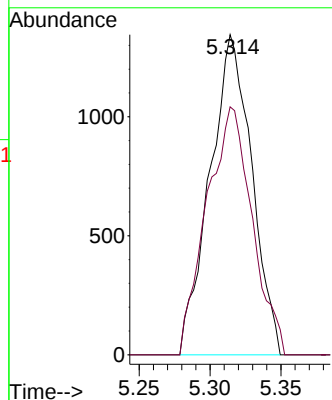
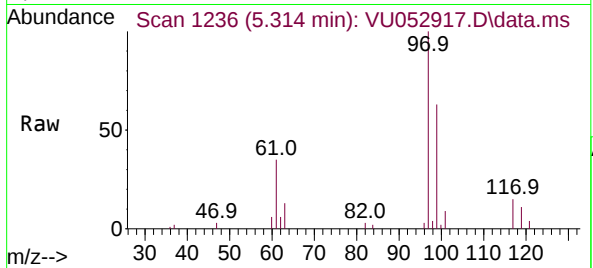




#31
Carbon tetrachloride
Concen: 0.857 ug/L
RT: 5.314 min Scan# 117
Delta R.T. -0.206 min
Lab File: VU052917.D
Acq: 01 Feb 2023 19:50

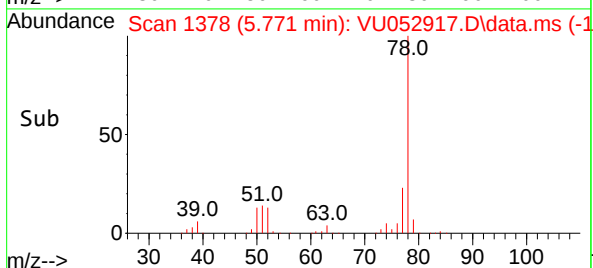
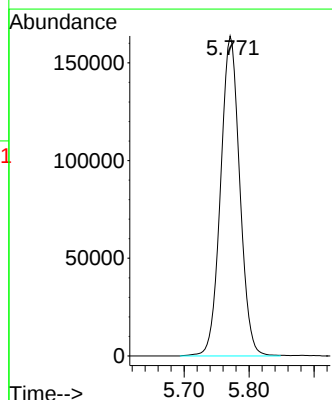
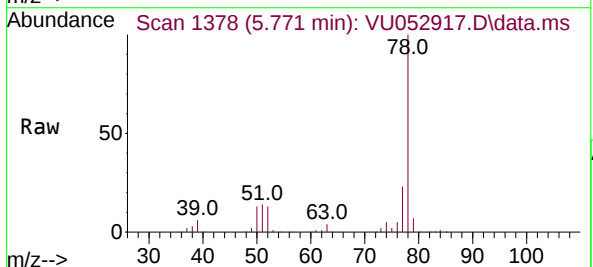
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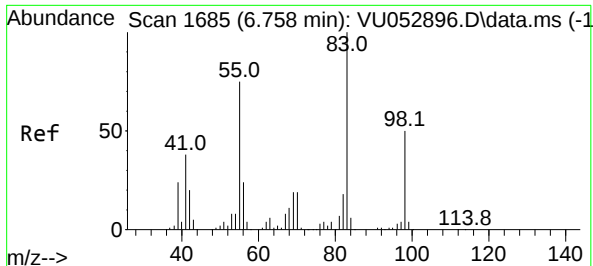
Tgt Ion:117 Resp: 2766
Ion Ratio Lower Upper
117 100
119 84.0 76.2 114.4



#33
Benzene
Concen: 38.852 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU052917.D
Acq: 01 Feb 2023 19:50

Tgt Ion: 78 Resp: 334829

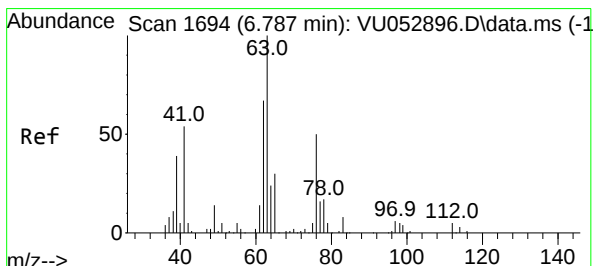
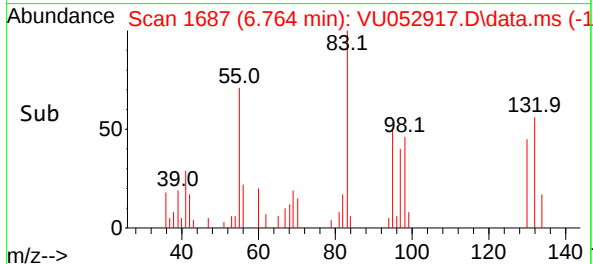
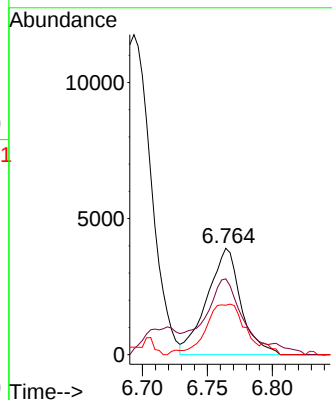
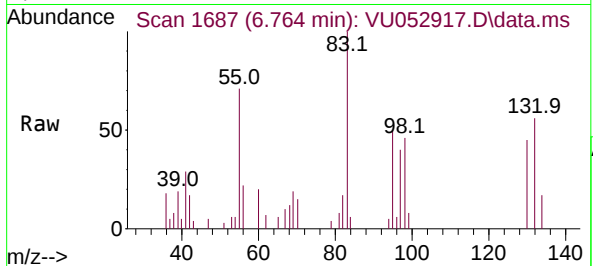




#35
Methylcyclohexane
Concen: 2.030 ug/L
RT: 6.764 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VU052917.D
Acq: 01 Feb 2023 19:50

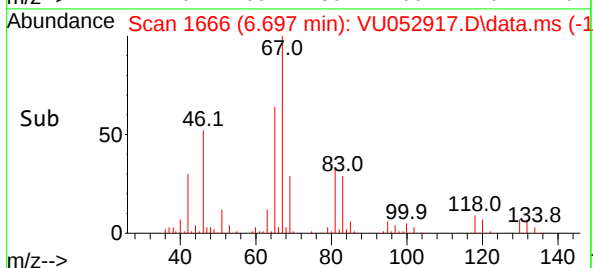
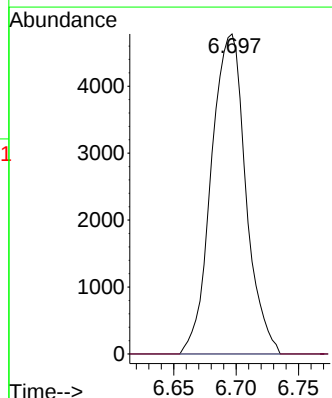
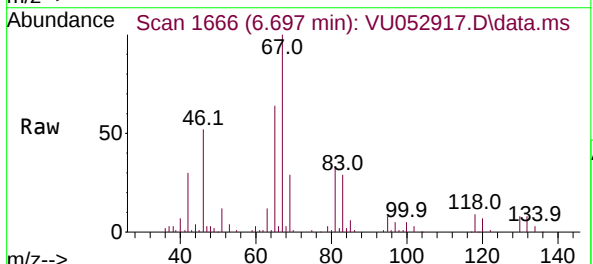
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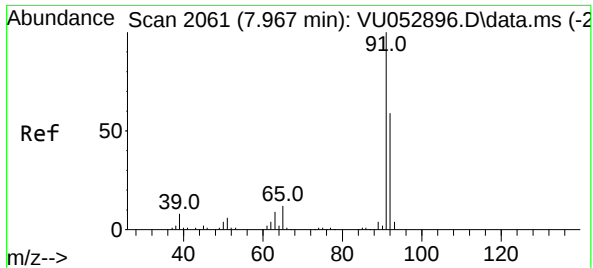
Tgt Ion: 83 Resp: 7039
Ion Ratio Lower Upper
83 100
55 54.3 57.1 85.7#
98 25.2 38.9 58.3#



#37
1,2-Dichloropropane
Concen: 4.349 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.090 min
Lab File: VU052917.D
Acq: 01 Feb 2023 19:50

Tgt Ion: 63 Resp: 9214
Ion Ratio Lower Upper
63 100
112 3.0 3.8 5.8#





#42

Toluene

Concen: 16.395 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU052917.D

Acq: 01 Feb 2023 19:50

Instrument :

MSVOA_U

ClientSampleId :

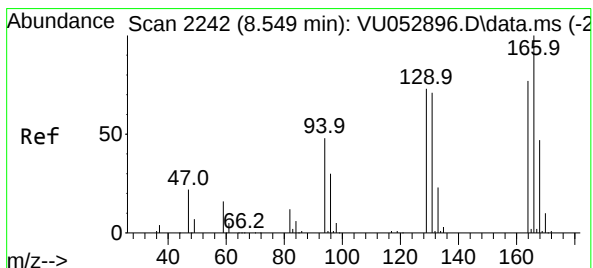
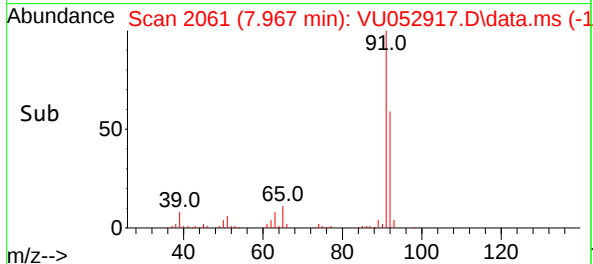
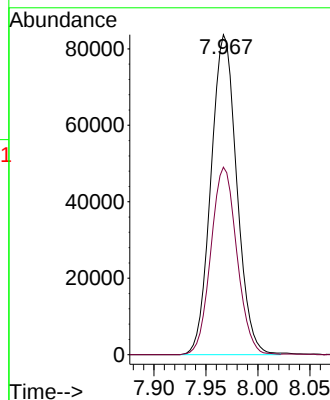
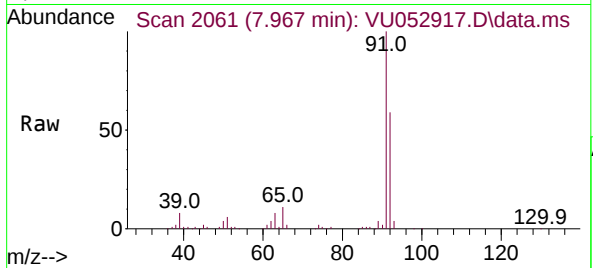
A44K7

Tgt Ion: 91 Resp: 144808

Ion Ratio Lower Upper

91 100

92 58.6 42.6 79.0



#46

Tetrachloroethene

Concen: 2.300 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. 0.003 min

Lab File: VU052917.D

Acq: 01 Feb 2023 19:50

Tgt Ion: 164 Resp: 4338

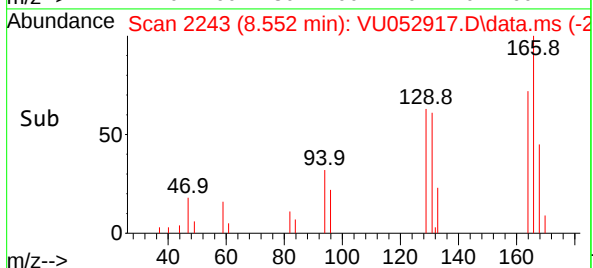
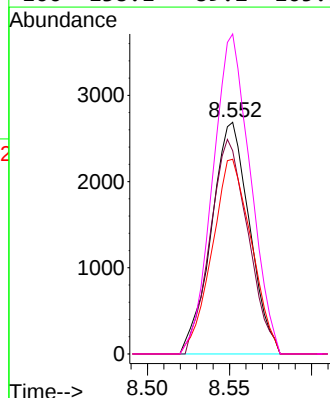
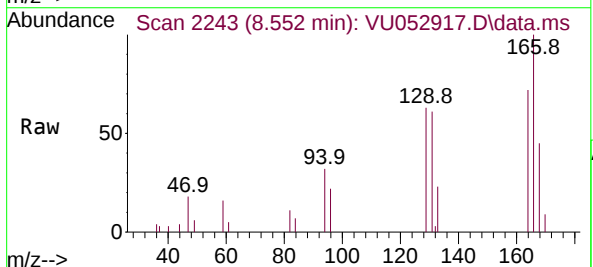
Ion Ratio Lower Upper

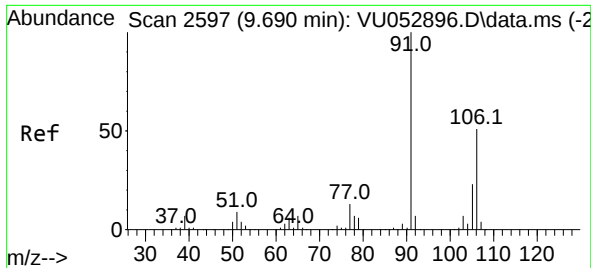
164 100

129 87.7 64.8 120.3

131 84.1 61.2 113.6

166 138.1 89.2 165.8

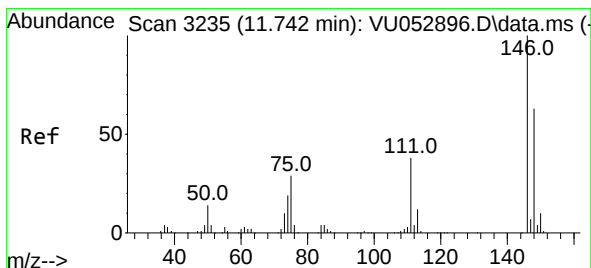
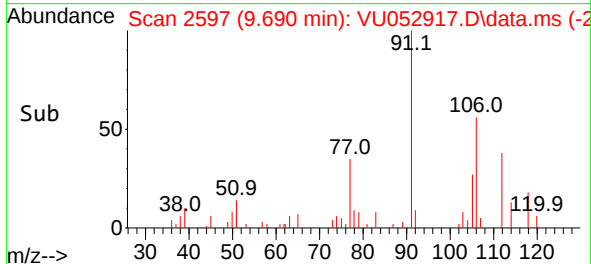
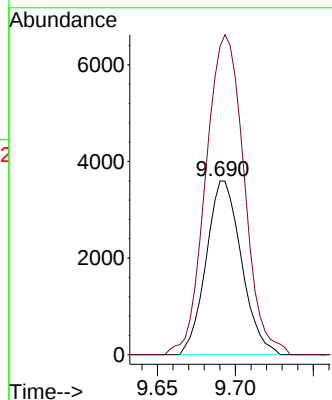
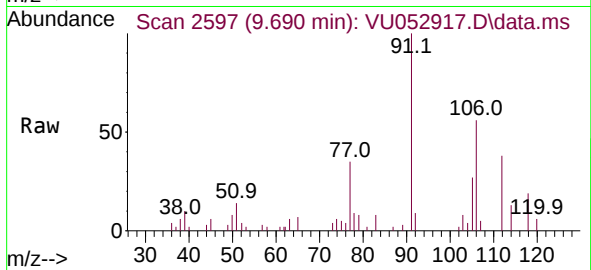




#53
m,p-Xylene
Concen: 1.481 ug/L
RT: 9.690 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052917.D
Acq: 01 Feb 2023 19:50

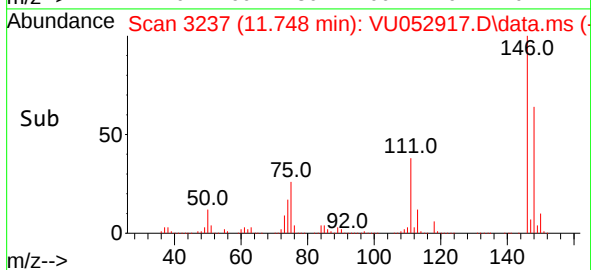
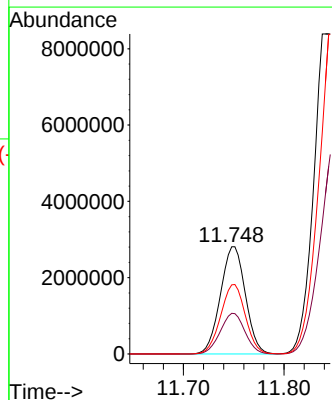
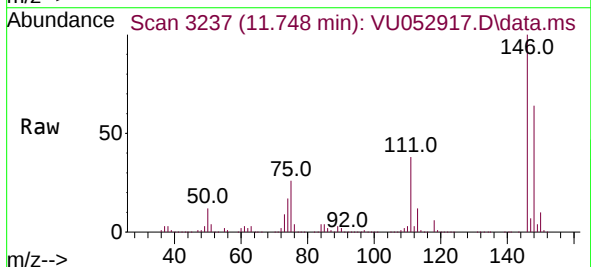
Instrument :
MSVOA_U
ClientSampleId :
A44K7

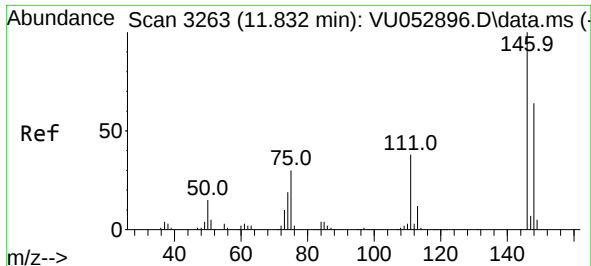
Tgt Ion:106 Resp: 5659
Ion Ratio Lower Upper
106 100
91 177.3 137.4 255.2



#64
1,3-Dichlorobenzene
Concen: 836.186 ug/L
RT: 11.748 min Scan# 3237
Delta R.T. 0.006 min
Lab File: VU052917.D
Acq: 01 Feb 2023 19:50

Tgt Ion:146 Resp: 4844955
Ion Ratio Lower Upper
146 100
111 38.0 27.8 51.6
148 64.4 45.5 84.5

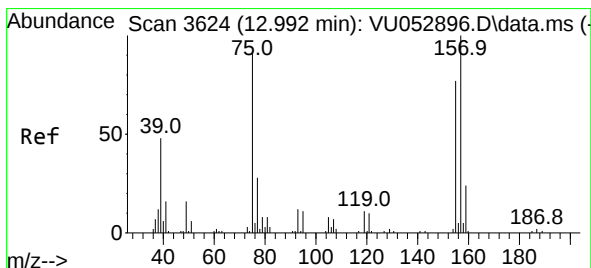
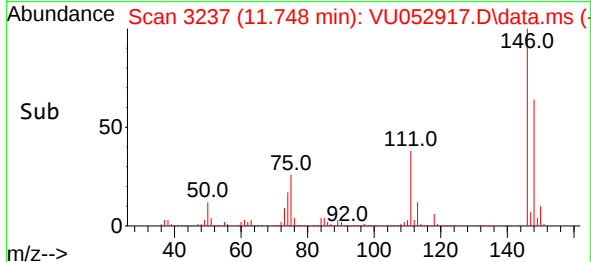
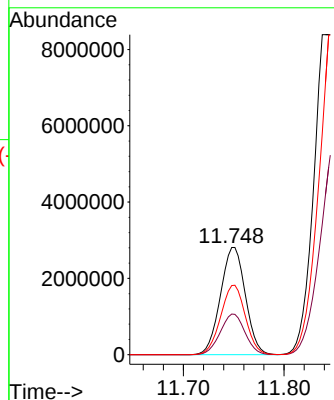
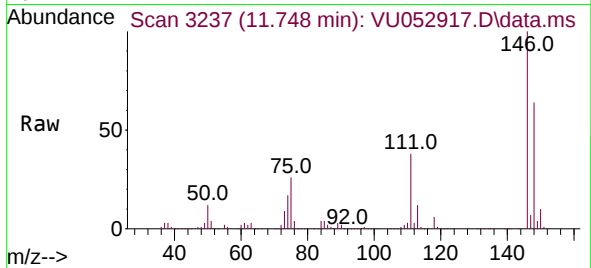




#65
 1,4-Dichlorobenzene
 Concen: 807.720 ug/L
 RT: 11.748 min Scan# 311
 Delta R.T. -0.084 min
 Lab File: VU052917.D
 Acq: 01 Feb 2023 19:50

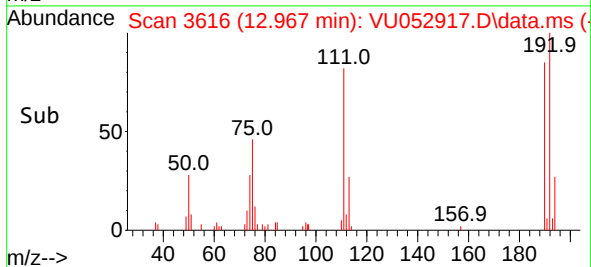
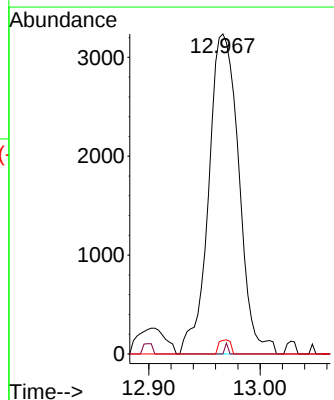
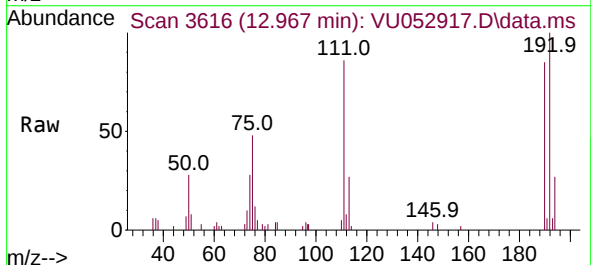
Instrument :
 MSVOA_U
 ClientSampleId :
 A44K7

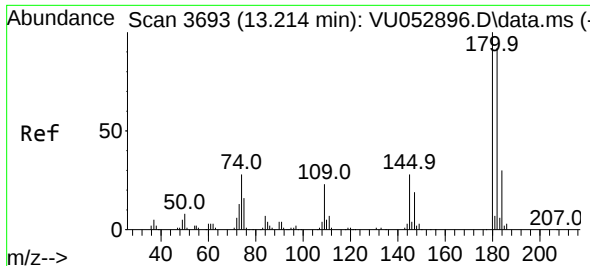
Tgt Ion:146 Resp: 4844955
 Ion Ratio Lower Upper
 146 100
 111 38.0 26.7 49.7
 148 64.4 45.6 84.6



#68
 1,2-Dibromo-3-chloropropane
 Concen: 6.165 ug/L
 RT: 12.967 min Scan# 3616
 Delta R.T. -0.026 min
 Lab File: VU052917.D
 Acq: 01 Feb 2023 19:50

Tgt Ion: 75 Resp: 6095
 Ion Ratio Lower Upper
 75 100
 155 0.0 69.2 103.8#
 157 4.3 91.2 136.8#

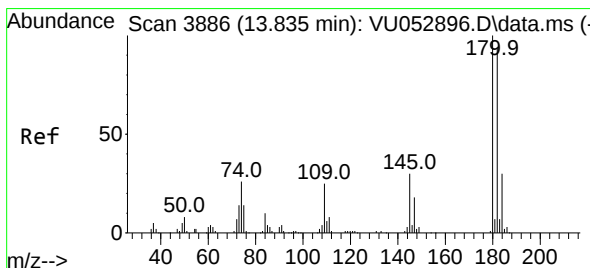
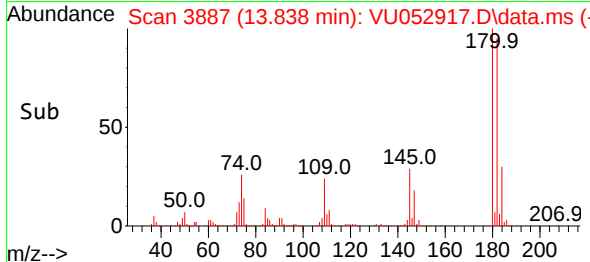
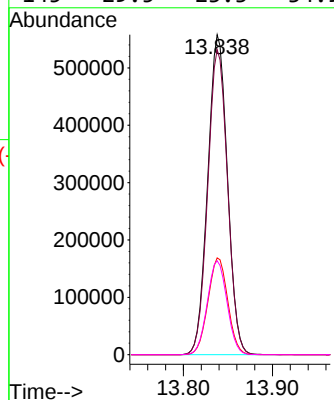
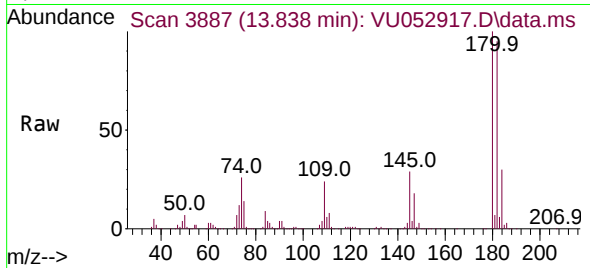




#69
 1,3,5-Trichlorobenzene
 Concen: 199.203 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.624 min
 Lab File: VU052917.D
 Acq: 01 Feb 2023 19:50

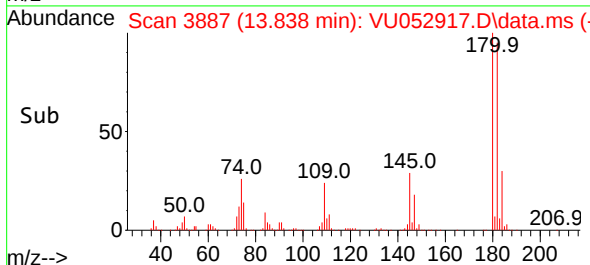
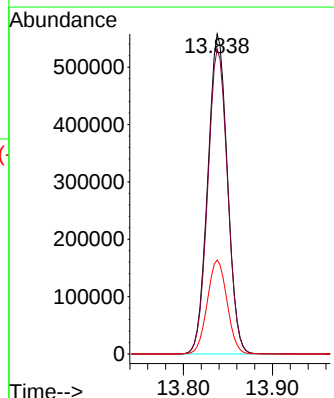
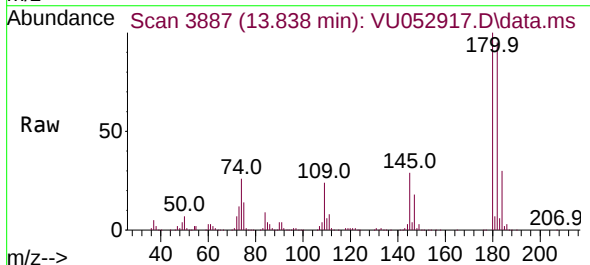
Instrument :
 MSVOA_U
 ClientSampleId :
 A44K7

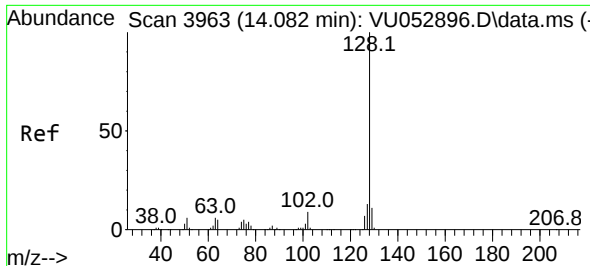
Tgt Ion:180 Resp: 854474
 Ion Ratio Lower Upper
 180 100
 182 95.8 77.0 115.6
 184 30.4 24.4 36.6
 145 29.5 23.3 34.9



#70
 1,2,4-trichlorobenzene
 Concen: 237.600 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.003 min
 Lab File: VU052917.D
 Acq: 01 Feb 2023 19:50

Tgt Ion:180 Resp: 854474
 Ion Ratio Lower Upper
 180 100
 182 95.8 78.2 117.2
 145 29.5 23.4 35.2

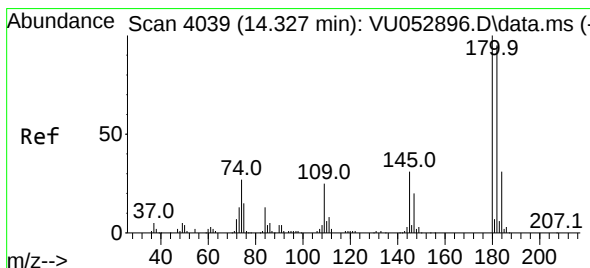
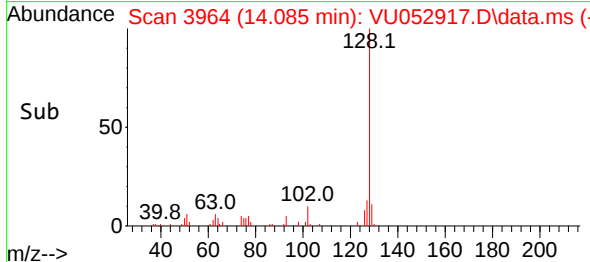
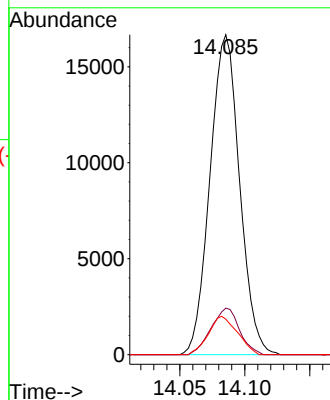
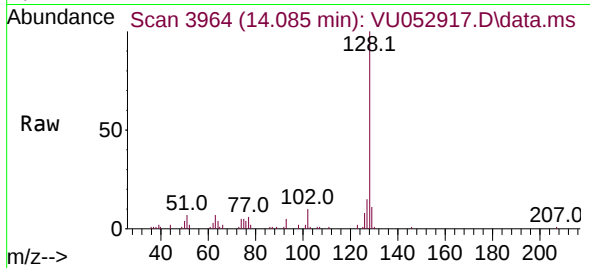




#71
Naphthalene
Concen: 2.556 ug/L
RT: 14.085 min Scan# 3963
Delta R.T. 0.003 min
Lab File: VU052917.D
Acq: 01 Feb 2023 19:50

Instrument :
MSVOA_U
ClientSampleId :
A44K7

Tgt Ion:	128	Resp:	26413
Ion Ratio	Lower	Upper	
128	100		
127	14.0	10.3	15.5
129	11.8	8.8	13.2



#72
1,2,3-Trichlorobenzene
Concen: 29.870 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. -0.000 min
Lab File: VU052917.D
Acq: 01 Feb 2023 19:50

Tgt Ion:	180	Resp:	113526
Ion Ratio	Lower	Upper	
180	100		
182	94.4	77.5	116.3
145	31.5	24.2	36.4

