

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092022\
 Data File : VU050860.D
 Acq On : 21 Sep 2022 03:01
 Operator : JC/MD
 Sample : N4650-22
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ39

Quant Time: Sep 21 04:43:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 21 04:30:12 2022
 Response via : Initial Calibration

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

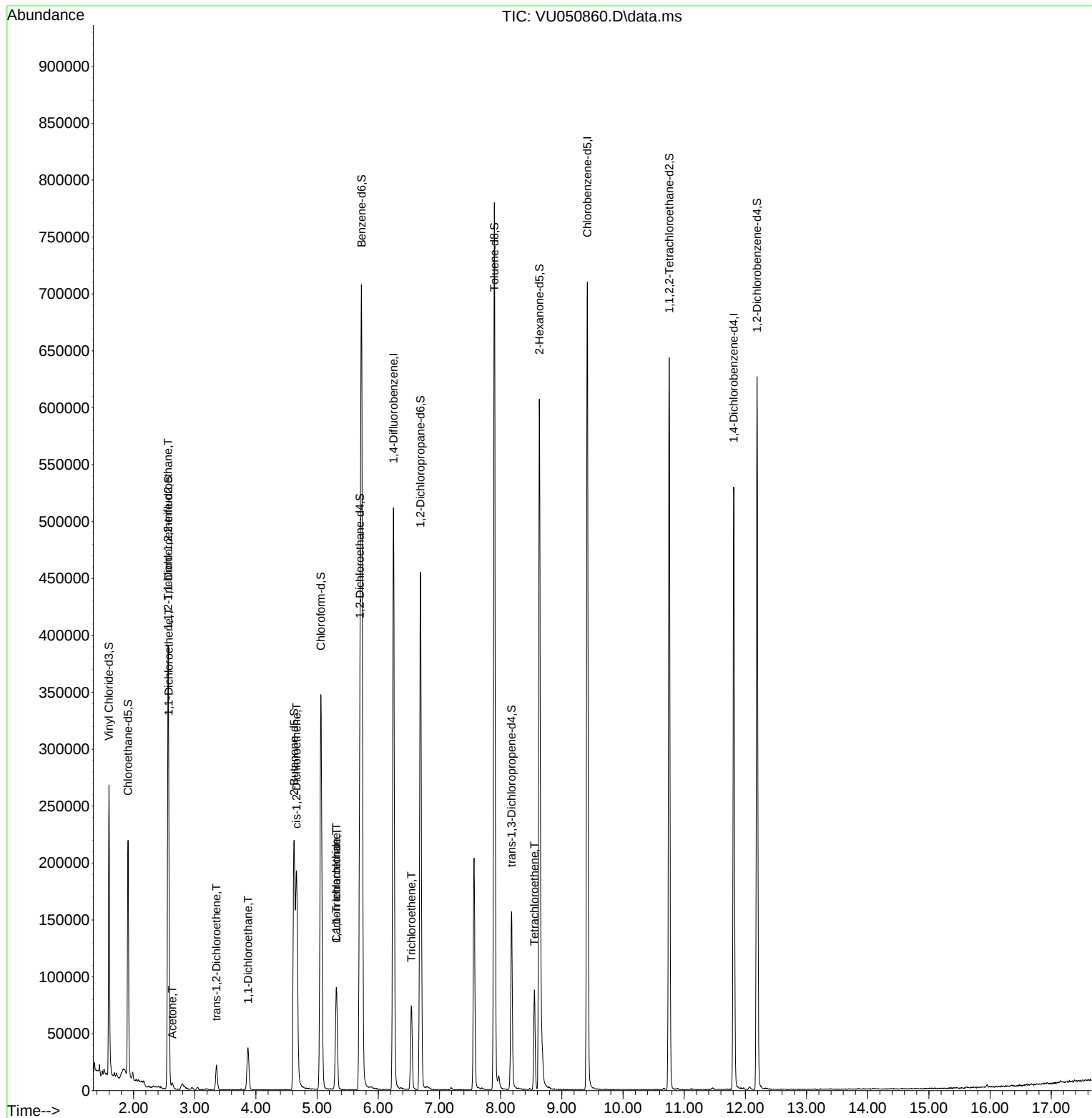
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	404066	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	393124	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	138792	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	190678	45.547	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	91.100%	
7) Chloroethane-d5	1.909	69	152392	51.112	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	102.220%	
11) 1,1-Dichloroethene-d2	2.565	63	233368	35.825	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	71.660%	
21) 2-Butanone-d5	4.623	46	325371	120.386	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	120.390%	
24) Chloroform-d	5.060	84	323178	49.260	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	98.520%	
26) 1,2-Dichloroethane-d4	5.700	65	209294	51.765	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	103.540%	
32) Benzene-d6	5.726	84	655764	50.643	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	101.280%	
36) 1,2-Dichloropropane-d6	6.690	67	225918	51.688	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	103.380%	
41) Toluene-d8	7.896	98	516867	45.665	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	91.320%	
43) trans-1,3-Dichloroprop...	8.179	79	84959	44.682	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	89.360%	
47) 2-Hexanone-d5	8.632	63	193401	107.374	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	107.370%	
56) 1,1,2,2-Tetrachloroeth...	10.754	84	332365	49.877	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	99.760%	
66) 1,2-Dichlorobenzene-d4	12.192	152	162686	55.984	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	111.960%	
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	2119	0.641	ug/L #	21
12) 1,1-Dichloroethene	2.575	96	4345	1.399	ug/L #	1
13) Acetone	2.633	43	5398	2.359	ug/L	95
17) trans-1,2-Dichloroethene	3.353	96	8464	2.658	ug/L	97
19) 1,1-Dichloroethane	3.870	63	43497	6.761	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	87331	24.738	ug/L	97
30) 1,1,1-Trichloroethane	5.314	97	65166	12.460	ug/L	99
31) Carbon tetrachloride	5.314	117	8763	2.017	ug/L	98
34) Trichloroethene	6.542	95	25710	7.650	ug/L	98
46) Tetrachloroethene	8.552	164	18805	7.787	ug/L	97

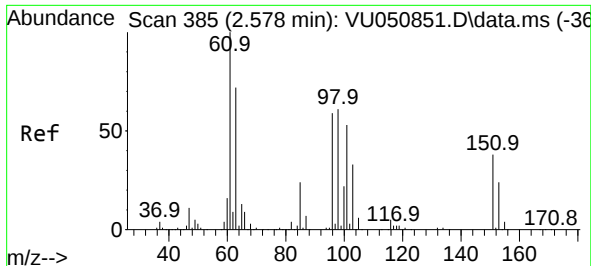
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.641 ug/L

RT: 2.562 min Scan# 3

Delta R.T. -0.016 min

Lab File: VU050860.D

Acq: 21 Sep 2022 03:01

Instrument :

MSVOA_U

ClientSampleId :

EXZ39

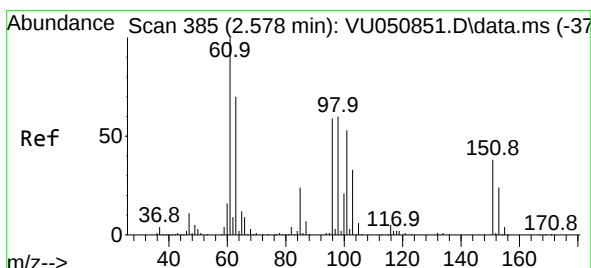
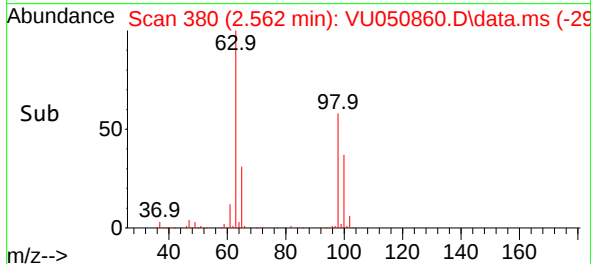
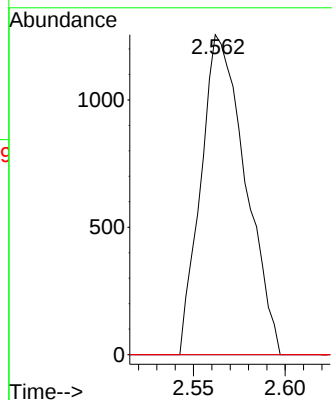
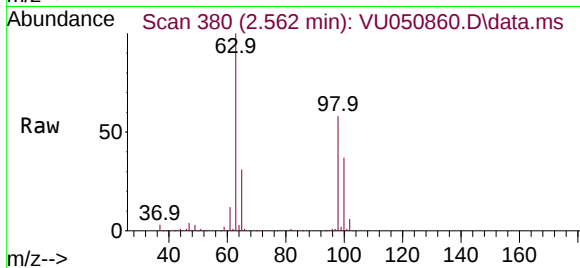
Tgt Ion:101 Resp: 2119

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

151 0.0 56.6 84.8#



#12

1,1-Dichloroethene

Concen: 1.399 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.003 min

Lab File: VU050860.D

Acq: 21 Sep 2022 03:01

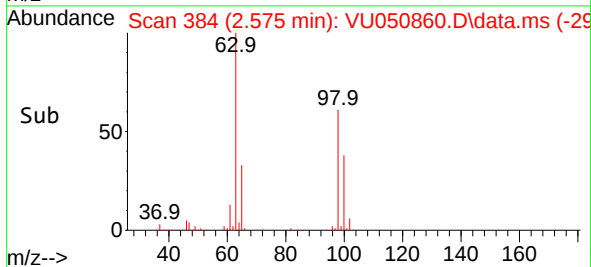
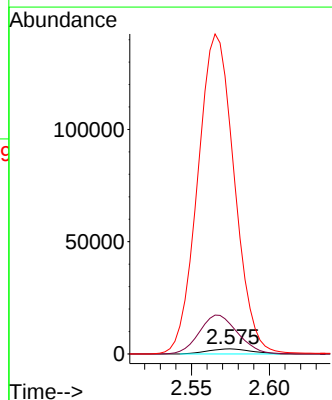
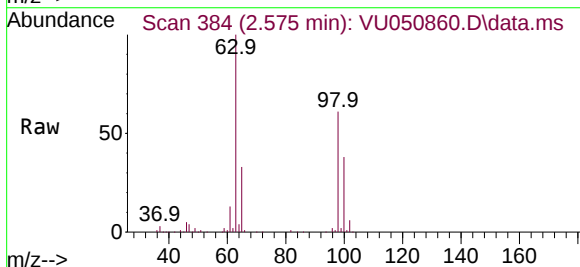
Tgt Ion: 96 Resp: 4345

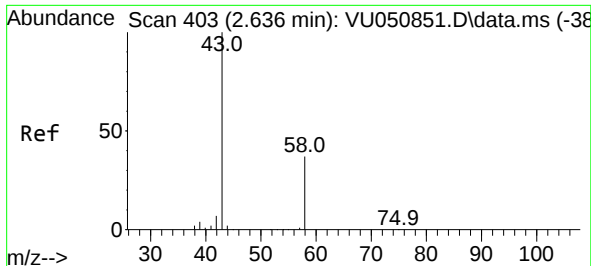
Ion Ratio Lower Upper

96 100

61 594.8 118.6 220.2#

63 4476.3 90.4 168.0#





#13

Acetone

Concen: 2.359 ug/L

RT: 2.633 min Scan# 403

Delta R.T. -0.003 min

Lab File: VU050860.D

Acq: 21 Sep 2022 03:01

Instrument :

MSVOA_U

ClientSampleId :

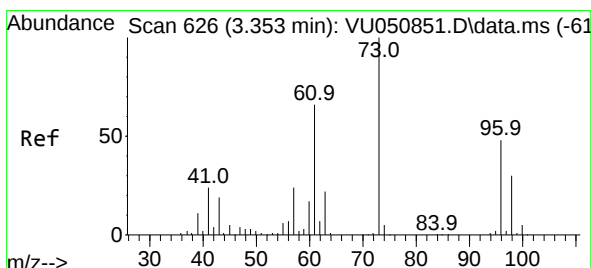
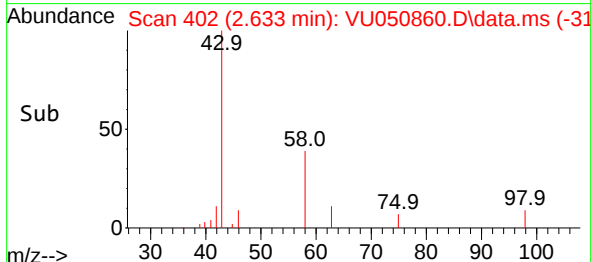
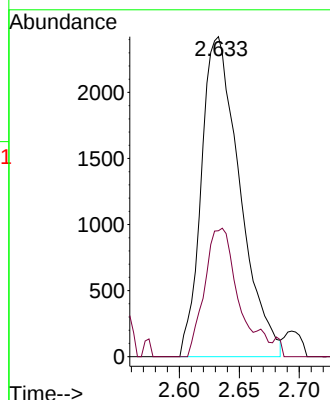
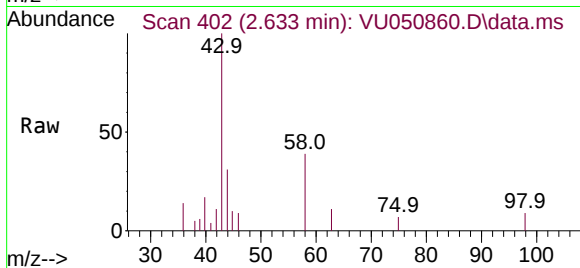
EXZ39

Tgt Ion: 43 Resp: 5398

Ion Ratio Lower Upper

43 100

58 32.9 0.0 71.4



#17

trans-1,2-Dichloroethene

Concen: 2.658 ug/L

RT: 3.353 min Scan# 626

Delta R.T. -0.000 min

Lab File: VU050860.D

Acq: 21 Sep 2022 03:01

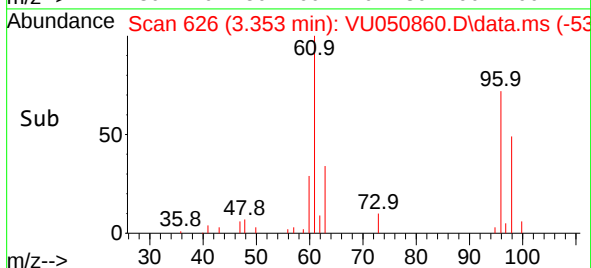
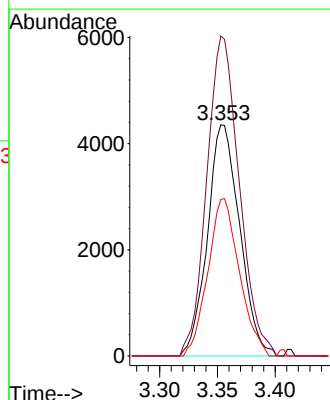
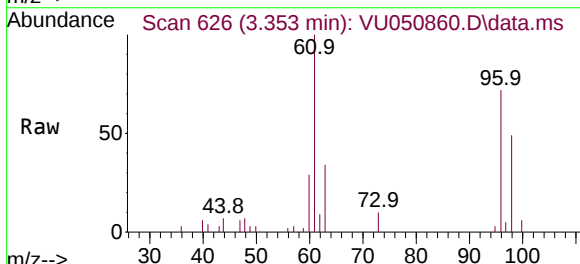
Tgt Ion: 96 Resp: 8464

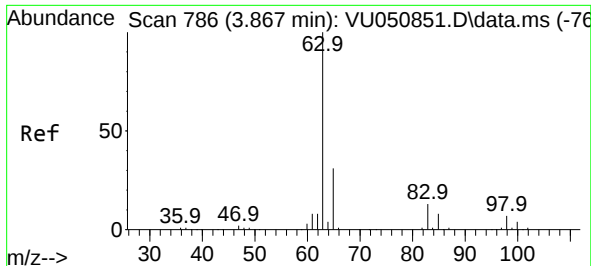
Ion Ratio Lower Upper

96 100

61 138.4 98.0 182.0

98 67.8 44.3 82.3

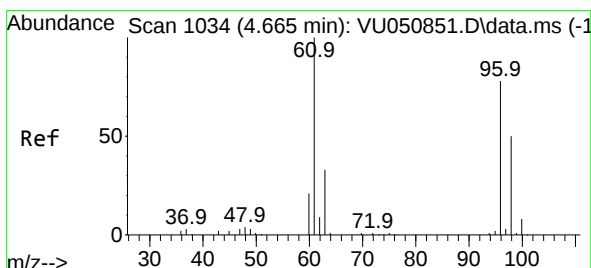
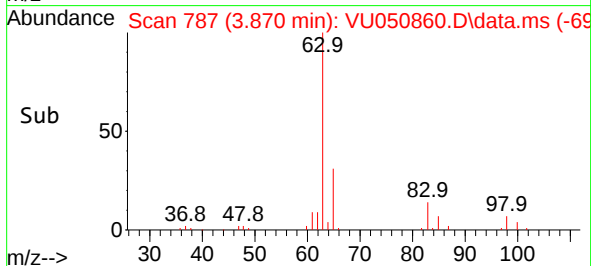
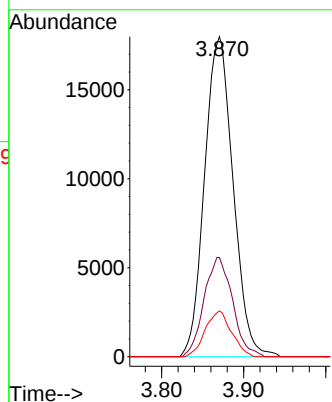
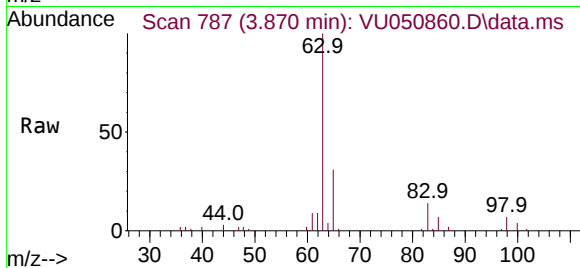




#19
1,1-Dichloroethane
Concen: 6.761 ug/L
RT: 3.870 min Scan# 786
Delta R.T. 0.003 min
Lab File: VU050860.D
Acq: 21 Sep 2022 03:01

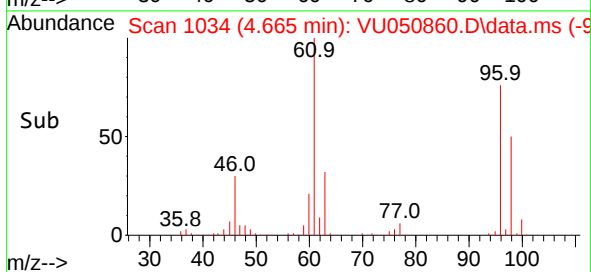
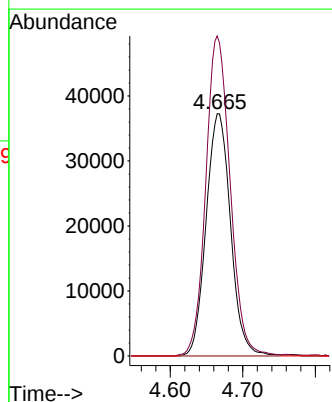
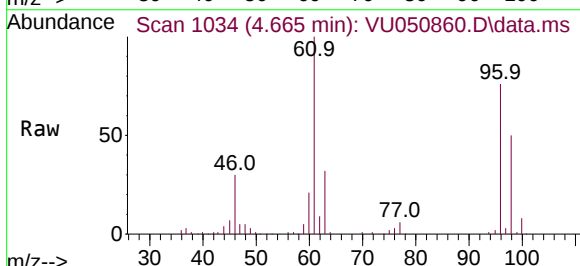
Instrument :
MSVOA_U
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EXZ39

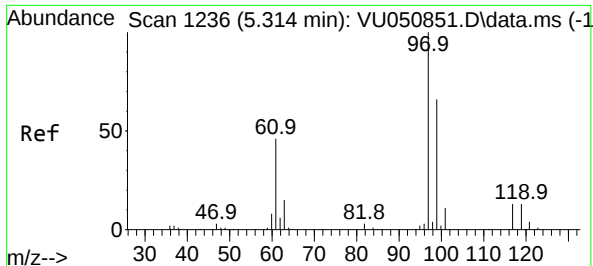
Tgt Ion: 63 Resp: 43497
Ion Ratio Lower Upper
63 100
65 31.0 21.5 39.9
83 14.3 9.3 17.3



#20
cis-1,2-Dichloroethene
Concen: 24.738 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. -0.000 min
Lab File: VU050860.D
Acq: 21 Sep 2022 03:01

Tgt Ion: 96 Resp: 87331
Ion Ratio Lower Upper
96 100
61 132.1 90.1 167.3
68 0.0 0.0 0.0

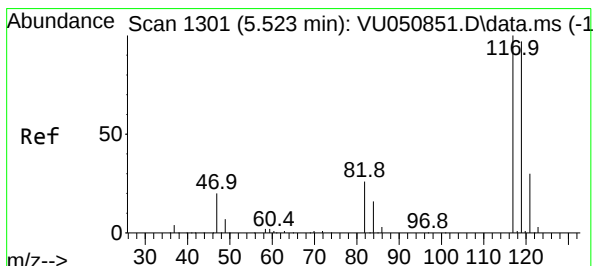
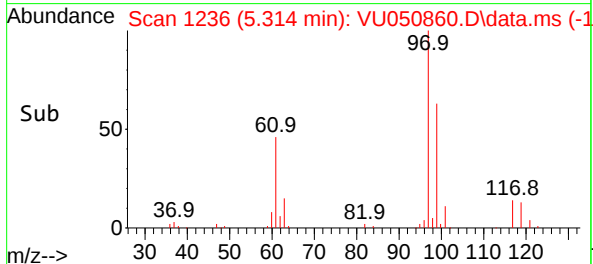
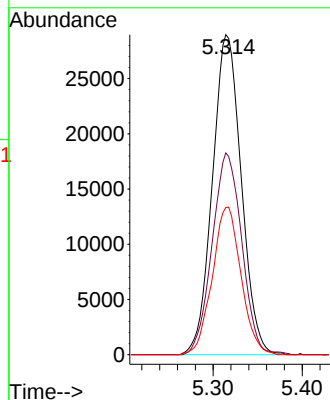
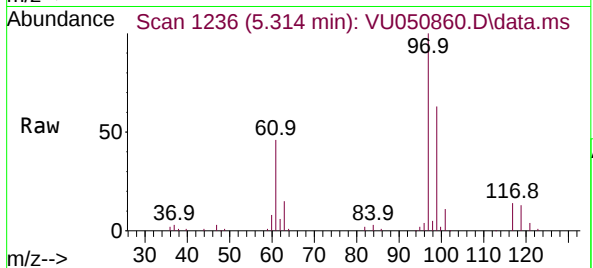




#30
1,1,1-Trichloroethane
Concen: 12.460 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. -0.000 min
Lab File: VU050860.D
Acq: 21 Sep 2022 03:01

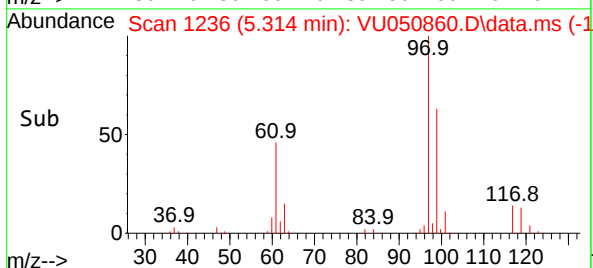
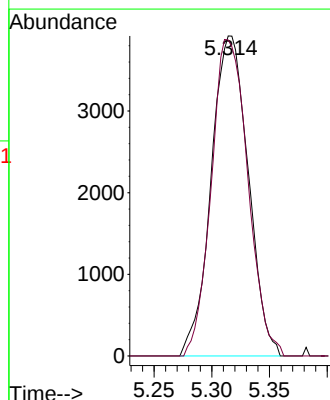
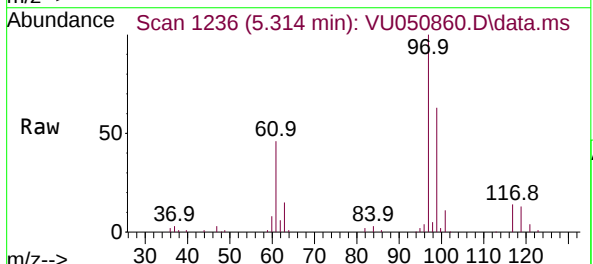
Instrument :
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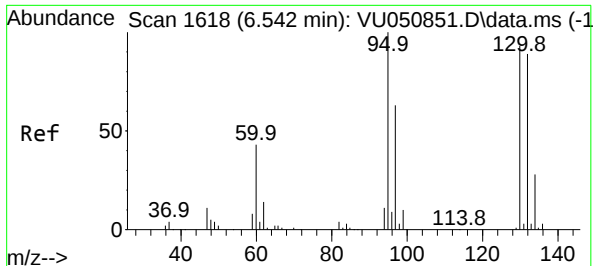
Tgt Ion: 97 Resp: 65166
Ion Ratio Lower Upper
97 100
99 64.6 52.2 78.2
61 46.0 37.1 55.7



#31
Carbon tetrachloride
Concen: 2.017 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. -0.209 min
Lab File: VU050860.D
Acq: 21 Sep 2022 03:01

Tgt Ion: 117 Resp: 8763
Ion Ratio Lower Upper
117 100
119 97.4 76.0 114.0





#34

Trichloroethene

Concen: 7.650 ug/L

RT: 6.542 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU050860.D

Acq: 21 Sep 2022 03:01

Instrument :

MSVOA_U

ClientSampleId :

EXZ39

Tgt Ion: 95 Resp: 25710

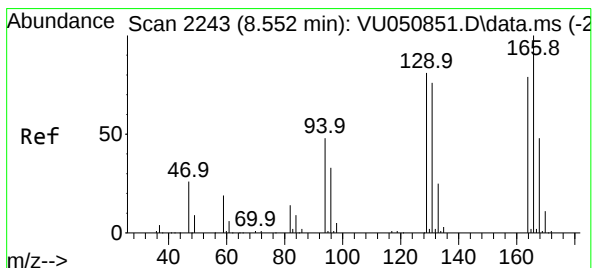
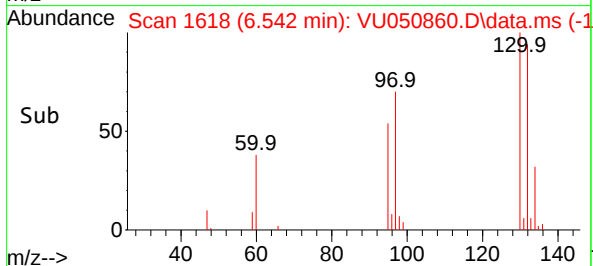
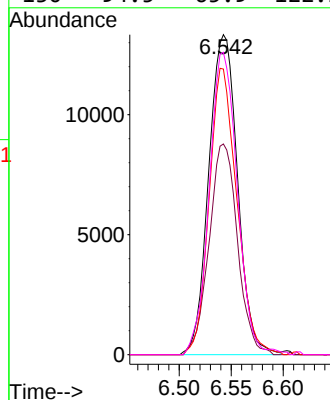
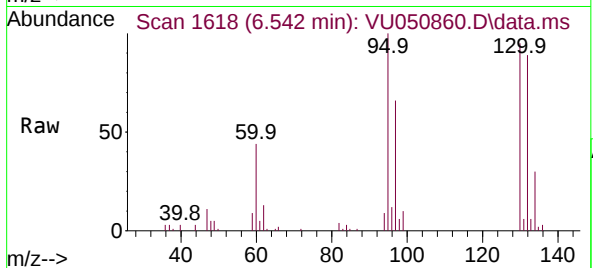
Ion Ratio Lower Upper

95 100

97 65.9 43.9 81.5

132 89.2 63.1 117.1

130 94.5 65.9 122.3



#46

Tetrachloroethene

Concen: 7.787 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.000 min

Lab File: VU050860.D

Acq: 21 Sep 2022 03:01

Tgt Ion: 164 Resp: 18805

Ion Ratio Lower Upper

164 100

129 98.5 68.5 127.3

131 98.4 66.1 122.7

166 132.6 88.8 164.8

